

Rexroth Connection Cable IndraDrive and IndraDyn

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Edition 02

Selection Data



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Edition 02

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Features of the Rexroth Interconnect Technology

1 Features of the Rexroth Interconnect Technology

1.1 General Information

The wide range of available cables from Rexroth offers a versatilely combinable and powerful connection of drive components by Rexroth in the field of innovative industrial applications. In this context, please notice the specified ambient conditions and installation recommendations (compare [chapter 25.1 "Motor Power Cable with Total Shield" on page 435](#)), to ensure a trouble free operation. Furthermore, the shielded cables ensure the observance of the EMC directive by considering the EMC notes (compare DOK-INDRV*-SYSTEM****-PRxx-DE-P).

UL and CSA In addition to extensively mechanical and chemical resistance, the Rexroth cables described in this documentation are listed at UL and CSA (compare [chapter 25 "Technical Data of Rexroth Cables " on page 435](#)..)

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BEUTH Verlag GmbH

Burggrafenstrasse 6

10787 Berlin, Germany

Tel. +49(0)30-26 01-22 60, Fax. +49 (0)30-26 01-1260

Internet: <http://www.din.de/beuth>

Email: postmaster@beuth.de

Foreign Systems Documentation for external systems which are connected to Rexroth components are not included in the scope of delivery and must be ordered directly from the respective manufacturers.

Your Feedback Your experiences are an essential part of the process of improving both the product and the documentation.

Please do not hesitate to inform us of any mistakes you detect in this documentation or of any modifications you might desire. We would appreciate your feedback.

Please send your remarks to:

Bosch Rexroth AG

Dept. DCC/EDM

Buergermeister-Dr.-Nebel-Strasse 2

97816 Lohr, Germany

Fax +49 (0) 93 52 / 40 43 80

1.2 Load Capability of Motor Power Cables

Cable dimensioning



The design of and the used materials for Rexroth cables allow for use of the motor power cables in fix and flexible laying.

The permissible load capability can be selected according to DIN VDE 0298, Part 4 (heat-resistant lines) for flexible laying and according to DIN VDE 0298, Part 4 or IEC 60364-5-52 (operation temperature on the conductor 90°C) for fix laying.

Features of the Rexroth Interconnect Technology

The assignment of "motor current" and "cable cross section" is done according to [Fig. 1-1](#) and the indicated marginal conditions. The user is to examine whether the marginal conditions adjust for the application. Depending on the fields of use and the valid standards, deviating power wire cross sections have to be choosed.



The manufacturer of the machine/installation is responsible for conformity with regional regulations and other standards relevant for the respective application and the place of installation. Additionally, consider the installation methods, grounding, line disconnection, overload protection.

National standards such as NFPA in the US, regional regulations, grounding, operating temperatures, operating cycles, overload protection and the system configuration can have a significant influence on the dimensioning and takes priority over the described details.



If, as a consequence of this, further requirement and cable designs arise that are not mentioned in this documentaiton, contact your Bosch Rexroth sales partner.

Cross-section [mm ²]	Current rating for Rexroth cables in A _{eff} Ambient temperature 40 °C
1.0	13.0 ^{1) 2)}
1.5	15.7 ^{1) 2)}
2.5	22.6 ^{1) 2)}
4.0	29.6 ^{1) 2)}
6.0	38.3 ^{1) 2)}
10.0	53.0 ^{1) 2)}
16.0	71.3 ^{1) 2)}
25.0	93.9 ^{1) 2)}
35.0	116.0 ^{1) 3)}
50.0	140.0 ^{1) 3)}
70.0	176.0 ^{1) 3)}

1) Minimum value according to DIN VDE 0298, Part 4 or IEC 60364-5-52

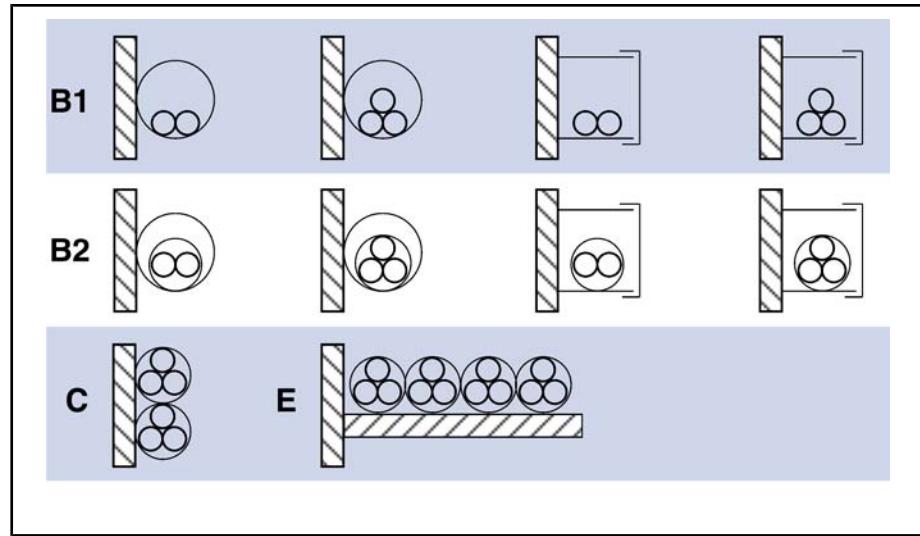
2) Current rating according to DIN VDE0298, Part 4 - Flexible laying for heat-resistant lines, installation method E

3) Current rating according to IEC 60364-5-52 - Fix laying, operating temperature on the conductor 90°C, installation method B2

Fig. 1-1: Current rating (ambient temperature 40°C, no accumulated rating)

The current rating depends on the installation method of the lines and the ambient conditions. Observe the specified correction factors in the standards DIN VDE 0298, Part 4 or IEC 60364-5-52 (for example refer to the different installation methods in [Fig. 1-2](#))

Features of the Rexroth Interconnect Technology



- B1 Conductors in installation pipes and in installation channels that can be opened
B2 Cables or lines in installation pipes and in installation channels that can be opened
C Cables or lines on walls
E Cables or lines on open cable trays

Fig. 1-2: Installation Types (cf. IEC 60364-5-52; DIN VDE 0298-4; EN 60204-1)

Basically heed the following ambient conditions, like

- ambient temperature
- installation methods (see Fig. 1-2)
- accumulation of cables and lines
- ...

when designing the cables (compare IEC 60364-5-52; DIN VDE 0298, Part 4 or EN 60204-1).



The design of the cable (e.g. current rating) in this documentation is determined in accordance with the valid standards (refer to DIN VDE or IEC) and in agreement with the cable manufacturers. Hence, they can be regarded as manufacturer's recommendation by Rexroth.

1.3 Type Plate

Ready-made power and encoder cables from Rexroth are supplied with a type plate at both ends of the cable, with a cable length of more than 0.5 meters. The following information is included on the cable type plate:

- ordering designation / length in meter
- DCC material number
- production date (year w calender week)
- revision index of the part list

The type plate serves to identify the cable and for spare parts procurement in the case of a malfunction.

Features of the Rexroth Interconnect Technology

1.4 Handling and Installation Recommendations

1.4.1 General Recommendations

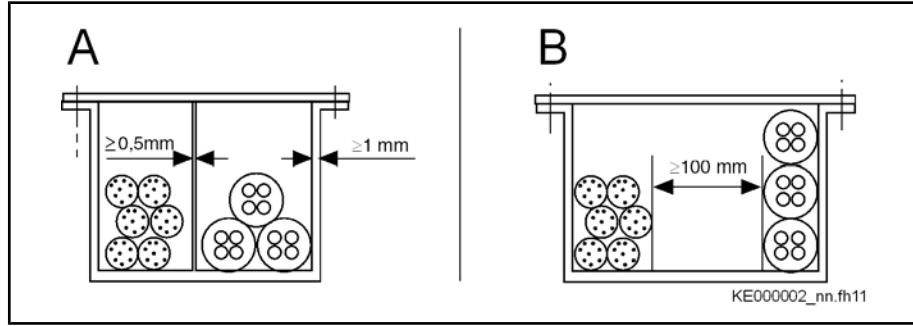
The reachable operating time of cables mainly depends on the mode of installation and environmental factors at the place of use. However, due to the variety of application conditions, the general recommendations for the handling of cables listed below must only be considered as an auxiliary guidance in order to ensure failure-free operation of the cables for as long as possible.

- Never apply tensile or torsional loads to the cable (torsion-resistant cables available on request)

The ends of the cable must be mechanically fastened after 30 cm (e.g. cable saddle, shielded connection of the controllers)

- Do not tear at the cable when releasing the connector.
- Do not lay the cables over sharp edges.
- Do not bend the cable with a lower radius than indicated [chapter 25 "Technical Data of Rexroth Cables" on page 435](#) (this also applies for storage)
- Store in a dry place
- Always unwind cables, do not unreel over head
- Do not utilize damaged cables; if a fault occurs, bring installation to a standstill and replace cable

Cable Layout



- A Cable channel in metal design
B Cable channel in plastic design

Fig. 1-3: Versions of cable channels (laying of cables acc. to EMC)

- Do not position encoder/signal cables near radio frequency devices, magnetic fields (transformers, inductors, etc.) or power lines
- Ensure a spacing of at least 100 mm between power cables and control or signal cables (e.g. encoder cables) or
- Partition cable ducts metallically

1.4.2 Recommendations on Selection and Wiring for Cables in Drag Chains

To mount the cables in drag chains in the right way, some basic rules have to be taken into account. Inserting the cables into the drag chains is to be done with utmost care. The wiring recommendations below are based on experience at Rexroth.



The installation recommendations of the manufacturers of the drag chains must be observed. The manufacturer of the machine/installation must bear the responsibility of the correct cable assembly.

Features of the Rexroth Interconnect Technology

- Do only use cables, which are suited for the use in drag chains (refer to chapter 25 "Technical Data of Rexroth Cables " on page 435)
- The cable with the largest outer diameter determines the minimum bending radius of the drag chain
- The cables must be laid without tension or twist
- Lay or hang out the cables before mounting, so that the twist can be re-formed. Avoid axial twisting of the cable (torsion).
- Do not cross cables within the drag chain.
- Do not lay cables on top of one another within the drag chain
- The cables have to be laid so that they are freely movable in the area of the bending radius both in width and height.
- The total cross-section of the drag chain or of the rack or hole segment must only be filled by maximum 85-90% (filling degree).

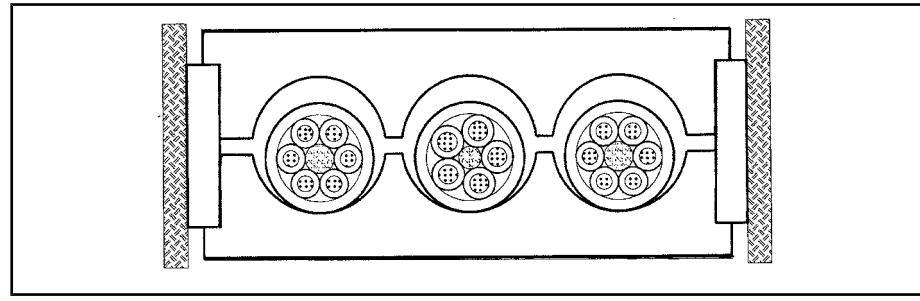


Fig. 1-4: Filling degree of drag chains

- Do not fix or tie cables together
- (heavy cables must be laid at the edges, light-weight ones in the middle)

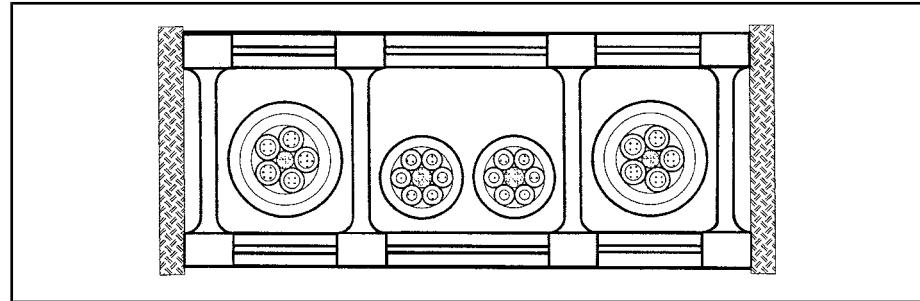


Fig. 1-5: Symmetrical distribution within drag chains

- For drag chains with cables of varying diameters ($> \pm 20\%$) use chains with divided chambers or racks. In the case multi-layer installations, mount separation bars between the tiers.

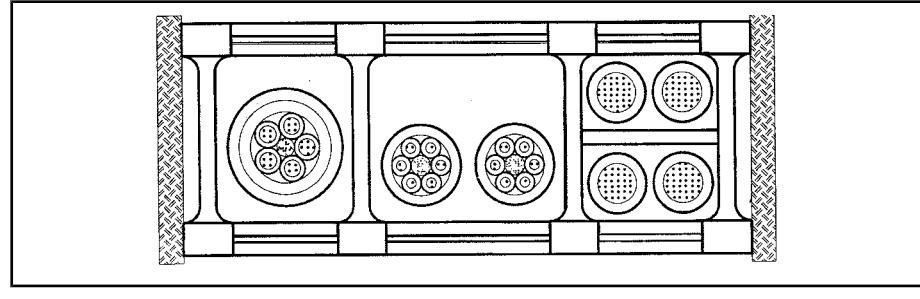


Fig. 1-6: Multi-layer installation of drag chains

- Before fastening the cables in the drag chain, move them min. 10 to 20 times, to relax the cable and to bring them into a neutral position. Do a

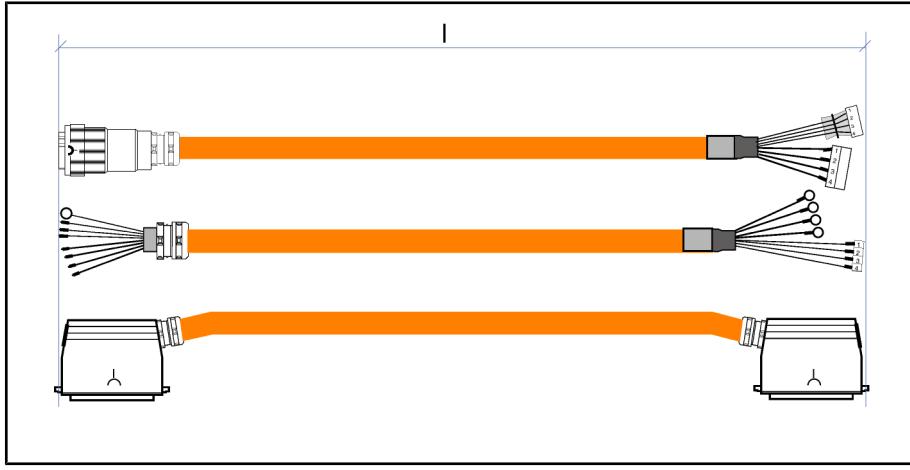
Features of the Rexroth Interconnect Technology

length-readjustment of the cables after 24 hours operation time of the machine.

- Fasten the cables on both ends; minimum distance 30 x line diameter from the final point of the movement. Fasten the cables extensively over the cable jacket.

1.5 Notes on Ordering

1.5.1 Definition Cable Length



| Ordering lengths of ready-made cables

Fig. 1-7: Ordering lengths

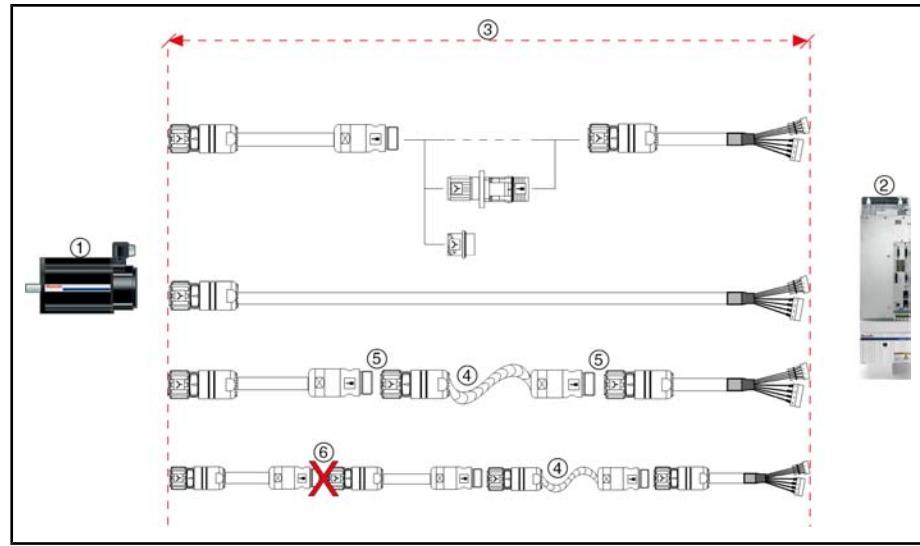
The total length of a ready-made cable is including connectors.

Length tolerance: + 1%

Complaints about the total length, which is within the specified tolerance, cannot be followed.

Features of the Rexroth Interconnect Technology

1.5.2 Permitted Cable Lengths



- (1) Motor
- (2) Drive device
- (3) Length (meter)
- (4) Cable drag chain
- (5) Connectors
- (6) Other connection points in this combination are NOT PERMITTED!

Fig. 1-8: Maximum permitted cable length

The maximum available line length for power and encoder cables is limited to 75.0 m.

Note that the line length can be limited by:

- Connectors (> 2 pieces)
- The switching frequency of the drive controllers (e.g. 4 kHz, 8 kHz)
- EMC behavior



Observe the notes in the project planning manuals for IndraDrive drive controllers and the EMC project planning manual.

1.5.3 Order Type

When separable cables are needed, they have to be ordered according to their appropriate lengths.

Example:

Ordering designation for 1. cable with a lengths of 10.0 m (as separate connection): **RKL4305/010.0**

Ordering designation for 2. cable with a lengths of 25.5 m (continuation to the controller): **RKL4303/025.5**

Safety Instructions for Electric Drives and Controls

⚠ DANGER

High electrical voltage! Danger to life, electric shock and severe bodily injury!

Dangerous movements! Danger to life, risk of injury, severe bodily harm or material damage!

Improper selection and installation of cables, lines and accessories may, in the future, result in an improper behavior of the drive system during operation, either permanently or temporarily.

- Select cables and accessories only as specified in this documentation.
- The instructions on processing and confectioning of the product must be adhered by all means.
- Before turning power on to the system or plant, completely check the selection and installation instructions contained in this documentation for their effectiveness. Particularly ensure a tight seat and a safe electrical contact of all plug-in connectors, screw-type terminals and conducting parts. (For loose connections and/or loose contacts exists the risk of electric shock or local overheating, which might also cause fire).
- General construction and safety regulations when working on electrical power installations must be followed.
 - ⇒ Before switching on the device, the equipment grounding conductor must have been permanently connected to all electrical equipment in accordance with the connection diagram.
 - ⇒ Do not operate electrical equipment at any time, even for brief measurements or tests, if the equipment grounding conductor is not permanently connected to the mounting points of the components provided for this purpose.
 - ⇒ Before working with electrical parts with voltage potentials higher than 50 V, the device must be disconnected from the mains voltage or power supply unit. Protect the system or plant against being restarted.

Selection for IndraDyn S Power Cables

3 Selection for IndraDyn S Power Cables

3.1 MSK

A listing of all available ready-made cables can be found for motors with the output direction:

U and RLS1101

[chapter 7 "Power Cable - Connector RLS11xx" on page 43](#)

U and RLS1201

[chapter 8 "Power Cable - Connector RLS12xx" on page 45](#)

A,B,L,R and RLS1301

[chapter 9 "Power Cable - Connector RLS13xx" on page 49](#)

Selecting Power Cables

Type	Output direction	Cable connection 60K	Cable connection 100K	Cable connection Surface	Cable connection Liquid
MSK030B-0900-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK030C-0900-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK040B-0450-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK040B-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK040B-0750-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK040C-0450-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK040C-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK040C-0750-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK043C-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK050B-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK050B-0450-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK050B-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK050C-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK050C-0450-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK050C-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK060B-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK060B-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-	-
MSK060C-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-
MSK060C-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-
MSK061B-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-
MSK061C-0200-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-
MSK061C-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-
MSK061C-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-
MSK070C-0150-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK070C-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK070C-0450-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	-
MSK070D-0150-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-

Latest amendment: 2009-04-21

Selection for IndraDyn S Power Cables

Type	Output direction	Cable connection 60K	Cable connection 100K	Cable connection Surface	Cable connection Liquid
MSK070D-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	-
MSK070D-0450-NN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	-
MSK070E-0150-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK070E-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	-
MSK070E-0450-NN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	-
MSK071C-0200-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK071C-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK071C-0450-FN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-	RLS1201-2.5 mm ²
MSK071C-0450-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK071D-0200-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK071D-0300-FN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-	RLS1201-2.5 mm ²
MSK071D-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK071D-0450-FN	U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	-	RLS1201-6.0 mm ²
MSK071D-0450-NN	U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	-
MSK071E-0200-FN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-	RLS1201-2.5 mm ²
MSK071E-0200-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK071E-0300-FN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-	RLS1201-4.0 mm ²
MSK071E-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	-
MSK071E-0450-FN	U	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	-	RLS1201-6.0 mm ²
MSK071E-0450-NN	U	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	RLS1201-6.0 mm ²	-
MSK075C-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK075C-0450-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	-
MSK075D-0200-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK075D-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	-
MSK075D-0450-NN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	-
MSK075E-0200-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	-
MSK075E-0300-FN	U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	-	RLS1201-4.0 mm ²
MSK075E-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	-
MSK075E-0450-FN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	-	
MSK075E-0450-NN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	-
MSK076C-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	-
MSK076C-0450-NN	U	RLS1101-1.0 mm ²	RLS1101-1.5 mm ²	RLS1108-2.5 mm ²	-
MSK100A-0200-NN	A,B,L,R	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	-
MSK100A-0300-NN	A,B,L,R	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	-

Latest amendment: 2009-04-21

Selection for IndraDyn S Power Cables

Type	Output direction	Cable connection 60K	Cable connection 100K	Cable connection Surface	Cable connection Liquid
MSK100A-0450-NN	A,B,L,R	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	RLS1301-2.5 mm ²	-
MSK100B-0200-NN	A,B,L,R	RLS1301-1.5 mm ²	RLS1301-2.5 mm ²	RLS1301-2.5 mm ²	-
MSK100B-0300-NN	A,B,L,R	RLS1301-2.5 mm ²	RLS1301-2.5 mm ²	RLS1301-4.0 mm ²	-
MSK100B-0400-NN	A,B,L,R	RLS1301-4.0 mm ²	RLS1301-6.0 mm ²	RLS1301-6.0 mm ²	-
MSK100B-0450-NN	A,B,L,R	RLS1301-4.0 mm ²	RLS1301-6.0 mm ²	RLS1301-10.0 mm ²	-
MSK100C-0200-NN	A,B,L,R	RLS1301-2.5 mm ²	RLS1301-2.5 mm ²	RLS1301-4.0 mm ²	-
MSK100C-0300-NN	A,B,L,R	RLS1301-2.5 mm ²	RLS1301-4.0 mm ²	RLS1301-6.0 mm ²	-
MSK100C-0450-NN	A,B,L,R	RLS1301-6.0 mm ²	RLS1301-10.0 mm ²	RLS1301-10.0 mm ²	-
MSK100D-0200-NN	A,B,L,R	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	RLS1301-2.5 mm ²	-
MSK100D-0300-NN	A,B,L,R	RLS1301-2.5 mm ²	RLS1301-4.0 mm ²	RLS1301-6.0 mm ²	-
MSK100D-0350-NN	A,B,L,R	RLS1301-6.0 mm ²	RLS1301-6.0 mm ²	RLS1301-10.0 mm ²	-
MSK101C-0200-NN	A,B,L,R	RLS1301-1.5 mm ²	RLS1301-2.5 mm ²	RLS1301-2.5 mm ²	-
MSK101C-0300-NN	A,B,L,R	RLS1301-2.5 mm ²	RLS1301-2.5 mm ²	RLS1301-4.0 mm ²	-
MSK101C-0450-NN	A,B,L,R	RLS1301-4.0 mm ²	RLS1301-4.0 mm ²	-	-
MSK101D-0200-FN	A,B,L,R	RLS1301-2.5 mm ²	RLS1301-4.0 mm ²	-	RLS1301-10.0 mm ²
MSK101D-0200-NN	A,B,L,R	RLS1301-2.5 mm ²	RLS1301-4.0 mm ²	RLS1301-6.0 mm ²	-
MSK101D-0300-FN	A,B,L,R	RLS1301-6.0 mm ²	RLS1301-6.0 mm ²	-	RLS1301-16.0 mm ²
MSK101D-0300-NN	A,B,L,R	RLS1301-6.0 mm ²	RLS1301-6.0 mm ²	RLS1301-10.0 mm ²	-
MSK101D-0450-FN	A,B,L,R	RLS1301-10.0 mm ²	RLS1301-10.0 mm ²	-	RLS1301-25.0 mm ²
MSK101D-0450-NN	A,B,L,R	RLS1301-10.0 mm ²	RLS1301-10.0 mm ²	RLS1301-16.0 mm ²	-
MSK101E-0200-FN	A,B,L,R	RLS1301-6.0 mm ²	RLS1301-10.0 mm ²	-	RLS1301-16.0 mm ²
MSK101E-0200-NN	A,B,L,R	RLS1301-6.0 mm ²	RLS1301-10.0 mm ²	RLS1301-10.0 mm ²	-
MSK101E-0300-FN	A,B,L,R	RLS1301-10.0 mm ²	RLS1301-10.0 mm ²	-	RLS1301-25.0 mm ²
MSK101E-0300-NN	A,B,L,R	RLS1301-10.0 mm ²	RLS1301-10.0 mm ²	RLS1301-16.0 mm ²	-
MSK101E-0450-FN	A,B,L,R	RLS1301-16.0 mm ²	RLS1301-16.0 mm ²	-	RLS1301-35.0 mm ²
MSK101E-0450-NN	A,B,L,R	RLS1301-16.0 mm ²	RLS1301-16.0 mm ²	RLS1301-25.0 mm ²	-
MSK103A-0300-NN	U	RLS1108-2.5 mm ²	RLS1108-2.5 mm ²	-	-
MSK103B-0300-NN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	-	-
MSK103D-0300-NN	U	RLS1201-4.0 mm ²	RLS1201-6.0 mm ²	-	-
MSK131B-0200-NN	A,B,L,R	RLS1301-6.0 mm ²	-	RLS1301-16.0 mm ²	-
MSK131D-0200-NN	A,B,L,R	RLS1301-16.0 mm ²	-	RLS1301-35.0 mm ²	-

Latest amendment: 2009-04-21

Fig.3-1: Selection Power Connection MSK

Selection for IndraDyn S Power Cables

3.2 MKE Power Cable Selection

The listing of all possible ready-made cables can be found for motors with output direction:
A,B,L,R in [chapter 22 "Power Cable - Terminal Box MKE" on page 117](#)

Type	Output direction	Housing Type	Cable connection Dimension acc. to IEC
MKE037B-144	B	E	RLK2101-1.0 mm ²
	A,B,R,L	U	RLK21U1-1.0 mm ²
MKE047B-144	B	E	RLK2101-1.0 mm ²
	A,B,R,L	U	RLK21U1-1.0 mm ²
MKE098B-047	B	E	RLK2201-1.0 mm ²
	A,B,R,L	U	RLK22U1-1.0 mm ²
MKE098B-058	B	E	RLK2201-1.0 mm ²
	A,B,R,L	U	RLK22U1-1.0 mm ²
Latest amendment 2009-04-27			

Fig.3-2: Selection Power Connection MKE037, -047, -098

Type	Output direction	Housing Type	Cable Entry (Di- ameter)	Cable connection Dimension acc. to IEC
MKE118B-024	K	E	4	RLK2301-2.5 mm ²
	K,L,R,U	U	N	RLK23U1-4.0 mm ²
MKE118B-058	K	E	6	RLK2301-6.0 mm ²
	K,L,R,U	U	N	RLK23U1-6.0 mm ²
MKE118D-012	K	E	4	RLK2301-2.5 mm ²
	K,L,R,U	U	N	RLK23U1-4.0 mm ²
MKE118D-027	K	E	4	RLK2301-2.5 mm ²
	K,L,R,U	U	N	RLK23U1-4.0 mm ²
MKE118D-035	K	E	6	RLK2301-6.0 mm ²
	K,L,R,U	U	N	RLK23U1-6.0 mm ²
Latest amendment 2009-04-27				

Fig.3-3: Selection Power Connection MKE118

Selection for IndraDyn S Power Cables

3.3 MSM

The listing of all possible ready-made cables for motors can be found:

[chapter 12.1 "INS0751-0.75 mm²" on page 63](#)

Type	Electrical Connection	Cable connection Dimension acc. to IEC
MSM019A-0300	Line with connector	INS0751-0.75 mm ²
MSM019B-0300	Line with connector	INS0751-0.75 mm ²
MSM019B-R300	Line with connector	INS0751-0.75 mm ²
MSM031B-0300	Line with connector	INS0751-0.75 mm ²
MSM031B-R300	Line with connector	INS0751-0.75 mm ²
MSM031C-0300	Line with connector	INS0751-0.75 mm ²
MSM031C-R300	Line with connector	INS0751-0.75 mm ²
MSM041B-0300	Line with connector	INS0751-0.75 mm ²
		Latest amendment 23.04.09

Fig.3-4: Selection Power Connection MSM

Selection for IndraDyn A Power Cables

4 Selection for IndraDyn A Power Cables

4.1 MAD

The listing of all possible ready-made cables can be found for motors with output direction:

A,B,L,R in

[chapter 10 "Power Cable - Connector INS048x" on page 55](#)

[chapter 11 "Power Cable - Connector INS038x" on page 59](#)

D,E,G,H in

[chapter 13 "Power Cable - Terminal Box RLK12xx" on page 65](#)

[chapter 14 "Power Cable - Terminal Box RLK13xx" on page 71](#)

[chapter 15 "Power Cable - Terminal Box RLK14xx" on page 79](#)

[chapter 16 "Power Cable - Terminal Box RLK15xx" on page 85](#)

F,K,S,T in

[chapter 17 "Power Cable - Terminal Box Size 1 \(RLK0003\)" on page 91](#)

[chapter 18 "Power Cable - Terminal Box Size 2 \(RLK0004\)" on page 95](#)

[chapter 19 "Power Cable - Terminal Box Size 3 \(RLK0005\)" on page 101](#)

[chapter 20 "Power Cable - Terminal Box Size 4 \(RLK0006\)" on page 109](#)

[chapter 21 "Power Cable - Terminal Box Size 5 \(RLK0007\)" on page 115](#)

Type	Output direction	Cable connection Dimension acc. to IEC
MAD100B-0050	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAD100B-0100	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAD100B-0150	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAD100B-0200	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAD100B-0250	A,B,R,L	INS0481-2.5 mm ²
	D,E,G,H	RLK1201-2.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAD100C-0050	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAD100C-0100	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAD100C-0150	A,B,R,L	INS0481-2.5 mm ²
	D,E,G,H	RLK1201-2.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²

Selection for IndraDyn A Power Cables

Type	Output direction	Cable connection Dimension acc. to IEC
MAD100C-0200	A,B,R,L	INS0481-4.0 mm ²
	D,E,G,H	RLK1201-4.0 mm ²
	F,K,S,T	RLK0003-4.0 mm ²
MAD100C-0250	A,B,R,L	INS0481-4.0 mm ²
	D,E,G,H	RLK1201-4.0 mm ²
	F,K,S,T	RLK0003-4.0 mm ²
MAD100D-0050	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAD100D-0100	A,B,R,L	INS0481-2.5 mm ²
	D,E,G,H	RLK1201-2.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAD100D-0150	A,B,R,L	INS0481-4.0 mm ²
	D,E,G,H	RLK1201-4.0 mm ²
	F,K,S,T	RLK0003-4.0 mm ²
MAD100D-0200	A,B,R,L	INS0481-4.0 mm ²
	D,E,G,H	RLK1201-4.0 mm ²
	F,K,S,T	RLK0003-4.0 mm ²
MAD100D-0250	A,B,R,L	INS0481-6.0 mm ²
	D,E,G,H	RLK1201-6.0 mm ²
	F,K,S,T	RLK0003-6.0 mm ²
MAD130B-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-1.5 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAD130B-0100	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-4.0 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAD130B-0150	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-6.0 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAD130B-0200	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0004-10.0 mm ²

Selection for IndraDyn A Power Cables

Type	Output direction	Cable connection Dimension acc. to IEC
MAD130B-0250	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0004-10.0 mm ²
MAD130C-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-2.5 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAD130C-0100	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-6.0 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAD130C-0150	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0004-10.0 mm ²
MAD130C-0200	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1301-16.0 mm ²
	F,K,S,T	RLK0004-16.0 mm ²
MAD130C-0250	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1301-16.0 mm ²
	F,K,S,T	RLK0004-16.0 mm ²
MAD130D-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-4.0 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAD130D-0100	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0004-10.0 mm ²
MAD130D-0150	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1301-16.0 mm ²
	F,K,S,T	RLK0004-16.0 mm ²
MAD130D-0200	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1301-16.0 mm ²
	F,K,S,T	RLK0004-16.0 mm ²
MAD130D-0250	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0004-25.0 mm ²

Selection for IndraDyn A Power Cables

Type	Output direction	Cable connection Dimension acc. to IEC
MAD160B-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-4.0 mm ²
	F,K,S,T	RLK0005-6.0 mm ²
MAD160B-0100	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0005-10.0 mm ²
MAD160B-0150	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1301-16.0 mm ²
	F,K,S,T	RLK0005-16.0 mm ²
MAD160B-0200	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0005-25.0 mm ²
MAD160C-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-4.0 mm ²
	F,K,S,T	RLK0005-6.0 mm ²
MAD160C-0100	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0005-10.0 mm ²
MAD160C-0150	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0005-25.0 mm ²
MAD160C-0200	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0005-25.0 mm ²
MAD180C-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1401-6.0 mm ²
	F,K,S,T	RLK0006-6.0 mm ²
MAD180C-0100	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1401-16.0 mm ²
	F,K,S,T	RLK0006-16.0 mm ²
MAD180C-0150	D,E,G,H	RLK1401-25.0 mm ²
	F,K,S,T	RLK0006-25.0 mm ²
	D,E,G,H	RLK1401-35.0 mm ²
MAD180C-0200	F,K,S,T	RLK0006-35.0 mm ²

Selection for IndraDyn A Power Cables

Type	Output direction	Cable connection Dimension acc. to IEC
MAD180D-0050	A,B,R,L	-
	D,E,G,H	RLK1401-10.0 mm ²
	F,K,S,T	RLK0006-10.0 mm ²
MAD180D-0100	A,B,R,L	INS381-25.0 mm ²
	D,E,G,H	RLK1401-25.0 mm ²
	F,K,S,T	RLK0006-25.0 mm ²
MAD180D-0150	A,B,R,L	-
	D,E,G,H	RLK1401-35.0 mm ²
	F,K,S,T	RLK0006-35.0 mm ²
MAD180D-0200	A,B,R,L	-
	D,E,G,H	2 x RLK1401-25.0 mm ²
	F,K,S,T	2 x RLK0006-25.0 mm ²
MAD225C-0050	D,E,G,H	RLK1501-25.0 mm ²
	F,K,S,T	RLK0007-25.0 mm ²
MAD225C-0100	D,E,G,H	2 x RLK1501-25.0 mm ²
	F,K,S,T	2 x RLK0007-25.0 mm ²
MAD225C-0150	D,E,G,H	2 x RLK1501-35.0 mm ²
	F,K,S,T	2 x RLK0007-35.0 mm ²
		Latest amendment 23.04.09

Fig.4-1: Selection Power Connection MAD

Selection for IndraDyn A Power Cables

4.2 MAF

The listing of all possible ready-made cables can be found for motors with output direction:

A,B,L,R in

chapter 10 "Power Cable - Connector INS048x" on page 55

chapter 11 "Power Cable - Connector INS038x" on page 59

D,E,G,H in

chapter 13 "Power Cable - Terminal Box RLK12xx" on page 65

chapter 14 "Power Cable - Terminal Box RLK13xx" on page 71

chapter 15 "Power Cable - Terminal Box RLK14xx" on page 79

chapter 16 "Power Cable - Terminal Box RLK15xx" on page 85

F,K,S,T in

chapter 17 "Power Cable - Terminal Box Size 1 (RLK0003)" on page 91

chapter 18 "Power Cable - Terminal Box Size 2 (RLK0004)" on page 95

chapter 19 "Power Cable - Terminal Box Size 3 (RLK0005)" on page 101

chapter 20 "Power Cable - Terminal Box Size 4 (RLK0006)" on page 109

chapter 21 "Power Cable - Terminal Box Size 5 (RLK0007)" on page 115

Type	Output direction	Cable connection Dimension acc. to IEC
MAF100B-0050	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAF100B-0100	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAF100B-0150	A,B,R,L	INS0481-2.5 mm ²
	D,E,G,H	RLK1201-2.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAF100B-0200	A,B,R,L	INS0481-4.0 mm ²
	D,E,G,H	RLK1201-4.0 mm ²
	F,K,S,T	RLK0003-4.0 mm ²
MAF100B-0250	A,B,R,L	INS0481-4.0 mm ²
	D,E,G,H	RLK1201-4.0 mm ²
	F,K,S,T	RLK0003-4.0 mm ²
MAF100C-0050	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAF100C-0100	A,B,R,L	INS0481-2.5 mm ²
	D,E,G,H	RLK1201-2.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAF100C-0150	A,B,R,L	INS0481-4.0 mm ²
	D,E,G,H	RLK1201-4.0 mm ²
	F,K,S,T	RLK0003-4.0 mm ²

Selection for IndraDyn A Power Cables

Type	Output direction	Cable connection Dimension acc. to IEC
MAF100C-0200	A,B,R,L	INS0481-6.0 mm ²
	D,E,G,H	RLK1201-6.0 mm ²
	F,K,S,T	RLK0003-6.0 mm ²
MAF100C-0250	A,B,R,L	INS0481-10.0 mm ²
	D,E,G,H	RLK1201-10.0 mm ²
	F,K,S,T	RLK0003-10.0 mm ²
MAF100D-0050	A,B,R,L	INS0481-1.5 mm ²
	D,E,G,H	RLK1201-1.5 mm ²
	F,K,S,T	RLK0003-2.5 mm ²
MAF100D-0100	A,B,R,L	INS0481-4.0 mm ²
	D,E,G,H	RLK1201-4.0 mm ²
	F,K,S,T	RLK0003-4.0 mm ²
MAF100D-0150	A,B,R,L	INS0481-6.0 mm ²
	D,E,G,H	RLK1201-6.0 mm ²
	F,K,S,T	RLK0003-6.0 mm ²
MAF100D-0200	A,B,R,L	INS0481-10.0 mm ²
	D,E,G,H	RLK1201-10.0 mm ²
	F,K,S,T	RLK0003-10.0 mm ²
MAF100D-0250	A,B,R,L	INS0481-10.0 mm ²
	D,E,G,H	RLK1201-10.0 mm ²
	F,K,S,T	RLK0003-10.0 mm ²
MAF130B-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-1.5 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAF130B-0100	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-4.0 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAF130B-0150	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0004-10.0 mm ²
MAF130B-0200	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0004-10.0 mm ²

Selection for IndraDyn A Power Cables

Type	Output direction	Cable connection Dimension acc. to IEC
MAF130B-0250	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1301-16.0 mm ²
	F,K,S,T	RLK0004-16.0 mm ²
MAF130C-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-2.5 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAF130C-0100	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-6.0 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAF130C-0150	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1301-16.0 mm ²
	F,K,S,T	RLK0004-16.0 mm ²
MAF130C-0200	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1301-16.0 mm ²
	F,K,S,T	RLK0004-16.0 mm ²
MAF130C-0250	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0004-25.0 mm ²
MAF130D-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-6.0 mm ²
	F,K,S,T	RLK0004-6.0 mm ²
MAF130D-0100	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0004-10.0 mm ²
MAF130D-0150	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0004-25.0 mm ²
MAF130D-0200	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0004-25.0 mm ²
MAF130D-0250	D,E,G,H	RLK1301-35.0 mm ²
	F,K,S,T	2 x RLK0004-16.0 mm ²
MAF130E-0100	A,B,R,L	INS0381-25.0 mm ²

Selection for IndraDyn A Power Cables

Type	Output direction	Cable connection Dimension acc. to IEC
MAF160B-0050	A,B,R,L	INS0381-6.0 mm ²
	D,E,G,H	RLK1301-6.0 mm ²
	F,K,S,T	RLK0005-6.0 mm ²
MAF160B-0100	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0005-25.0 mm ²
MAF160B-0150	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0005-25.0 mm ²
MAF160B-0200	A,B,R,L	INS0381-35.0 mm ²
	D,E,G,H	RLK1301-35.0 mm ²
	F,K,S,T	RLK0005-35.0 mm ²
MAF160C-0050	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1301-10.0 mm ²
	F,K,S,T	RLK0005-10.0 mm ²
MAF160C-0100	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1301-25.0 mm ²
	F,K,S,T	RLK0005-25.0 mm ²
MAF160C-0150	A,B,R,L	-
	D,E,G,H	RLK1301-35.0 mm ²
	F,K,S,T	RLK0005-35.0 mm ²
MAF160C-0200	A,B,R,L	-
	D,E,G,H	2 x RLK1301-25.0 mm ²
	F,K,S,T	2 x RLK0005-25.0 mm ²
MAF180C-0050	A,B,R,L	INS0381-10.0 mm ²
	D,E,G,H	RLK1401-10.0 mm ²
	F,K,S,T	RLK0006-10.0 mm ²
MAF180C-0100	A,B,R,L	INS0381-25.0 mm ²
	D,E,G,H	RLK1401-25.0 mm ²
	F,K,S,T	RLK0006-25.0 mm ²
MAF180C-0150	A,B,R,L	-
	D,E,G,H	2 x RLK1401-25.0 mm ²
	F,K,S,T	2 x RLK0006-25.0 mm ²

Selection for IndraDyn A Power Cables

Type	Output direction	Cable connection Dimension acc. to IEC
MAF180C-0200	A,B,R,L	-
	D,E,G,H	2 x RLK1401-35.0 mm ²
	F,K,S,T	2 x RLK0006-35.0 mm ²
MAF180D-0050	A,B,R,L	INS0381-16.0 mm ²
	D,E,G,H	RLK1401-16.0 mm ²
	F,K,S,T	RLK0006-16.0 mm ²
MAF180D-0100	A,B,R,L	-
	D,E,G,H	RLK1401-35.0 mm ²
	F,K,S,T	RLK0006-35.0 mm ²
MAF180D-0150	A,B,R,L	-
	D,E,G,H	2 x RLK1401-25.0 mm ²
	F,K,S,T	2 x RLK0006-25.0 mm ²
MAF180D-0200	A,B,R,L	-
	D,E,G,H	2 x RLK1401-35.0 mm ²
	F,K,S,T	2 x RLK0006-35.0 mm ²
MAF225C-0050	D,E,G,H	RLK1501-35.0 mm ²
	F,K,S,T	RLK0007-35.0 mm ²
MAF225C-0100	D,E,G,H	2 x RLK1501-35.0 mm ²
	F,K,S,T	2 x RLK0007-35.0 mm ²
MAF225C-0150	D,E,G,H	2 x RLK1501-50.0 mm ²
	F,K,S,T	2 x RLK0007-50.0 mm ²

Fig.4-2: Selection Power Connection MAF

Selection for IndraDrive Mi Hybrid Cable

5 Selection for IndraDrive Mi Hybrid Cable

5.1 KSM; KMS

Hybrid cable RKH (with different outgoing directions from connection point X3.1 or X3.2 at KSM and KMS)									RKH0700
	KCU	-	-	-	-	RKH0301	RKH0401	RKH0501	RKH0501
	X3.1	-	RKH0001	RKH0100	RKH0202	-	-	-	RKH0202
	X3.1	-	RKH0100	RKH0200	RKH0204	-	-	-	RKH0204
	X3.1	-	RKH0202	RKH0204	RKH0600	-	-	-	RKH0600
	X3.2	RKH0301	-	-	-	RKH0002	RKH0101	RKH0203	RKH0203
	X3.2	RKH0401	-	-	-	RKH0101	RKH0201	RKH0205	RKH0205
	X3.2	RKH0501	-	-	-	RKH0203	RKH0205	RKH0601	RKH0601
	RKH0700	RKH0501	RKH0202	RKH0204	RKH0600	RKH0203	RKH0205	RKH0601	-

Fig.5-1: Hybrid Cable RKH

Selection for Encoder Cables

6 Selection for Encoder Cables

Motor	Encoder	Flange socket on the motor	Selection see
IndraDyn A MAD	C0	INS0629 (MAD100) INS0719 (MAD130/160/180)	⇒ Chapter 23.2
	M0	INS0524 (MAD100) INS0638 (MAD130/160/180/225)	⇒ Chapter 23.4
	M2	RGS1003 (MAD100) RGS1004 (MAD130/160/180/225)	⇒ Chapter 23.5
	M6	RGS1002 (MAD100/130/160/180/225)	⇒ Chapter 23.5
	S0	INS0524 (MAD100) INS0638 (MAD130/160/180/225)	⇒ Chapter 23.4
	S2	RGS1003 (MAD100) RGS1004 (MAD130/160/180/225)	⇒ Chapter 23.5
	S6	RGS1002 (MAD100/130/160/180/225)	⇒ Chapter 23.5
IndraDyn A MAF	C0	INS0629 (MAD100)	⇒ Chapter 23.2
	M0	INS0524 (MAD100)	⇒ Chapter 23.4
	M2	RGS1003 (MAD100/130/160/180/225)	⇒ Chapter 23.5
	M6	RGS1002 (MAF100/130/160/180/225)	⇒ Chapter 23.5
	S0	INS0524	⇒ Chapter 23.4
	S2	RGS1003 (MAD100/130/160/180/225)	⇒ Chapter 23.5
	S6	RGS1002 (MAF100/130/160/180/225)	⇒ Chapter 23.5
IndraDyn S MKE	A	Terminal box	⇒ Chapter 23.1
	B	Terminal box	⇒ Chapter 23.1
	C	Terminal box	⇒ Chapter 23.1
	D	Terminal box	⇒ Chapter 23.1
	G	Terminal box	⇒ Chapter 23.1
	K	Terminal box	⇒ Chapter 23.1
	N	Terminal box	⇒ Chapter 23.1
	P	Terminal box	⇒ Chapter 23.1

Selection for Encoder Cables

Motor	Encoder	Flange socket on the motor	Selection see
IndraDyn S MSK	M1	RGS1000 (MSK030-076) RGS1003 (MSK100/101)	⇒ Chapter 23.5
	M2	RGS1000 (MSK030-076) RGS1003 (MSK100/101)	⇒ Chapter 23.5
	S1	RGS1000 (MSK030-076) RGS1003 (MSK100/101)	⇒ Chapter 23.5
	S2	RGS1000 (MSK030-076) RGS1003 (MSK100/101)	⇒ Chapter 23.5
IndraDyn S MSM	M0	INS0753MSM019, -031, -041	⇒ Chapter 23.3

Fig.6-1: Selection connection cables for IndraDrive - motor encoders

Power Cable - Connector RLS11xx

7 Power Cable - Connector RLS11xx

7.1 RLS1101-1.0 mm²



Ordering designation	Interconnection diagram	dia-	Separable connection	Connection IndraDrive
RKL4303	⇒ Fig. 24-89		⇒ Fig. 7-4	● RLS0721
RKL4302	⇒ Fig. 24-88		⇒ Fig. 7-4	● RLS0722
RKL0014	⇒ Fig. 24-80		⇒ Fig. 7-4	● RLS0745

● RLS0721

HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

● RLS0722

HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036

● RLS0745

HCS01.1E-W0003
HCS01.1E-W0005
HCS01.1E-W0008

Fig.7-1: RLS1101 - 1.0 mm²

7.2 RLS1101-1.5 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4301	⇒ Fig. 24-87	⇒ Fig. 7-4	● RLS0721
RKL4300	⇒ Fig. 24-86	⇒ Fig. 7-4	● RLS0722
RKL0015	⇒ Fig. 24-81	⇒ Fig. 7-4	● RLS0745

● RLS0721

HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

● RLS0722

HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036

● RLS0745

HCS01.1E-W0003
HCS01.1E-W0005
HCS01.1E-W0008

Fig.7-2: RLS1101 - 1.5 mm²

Power Cable - Connector RLS11xx

7.3 RLS1108-2.5 mm²

Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4346	⇒ Fig. 24-132	⇒ Fig. 7-4	● RLS0721
RKL4345	⇒ Fig. 24-131	⇒ Fig. 7-4	● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 7-3: RLS1108 - 2.5 mm²

7.4 Power Cable with RLS11xx for Separable Connections

RLS110x - INK06xx - RLS110x

Ordering designation	Cross-section [mm ²]	Interconnection diagram
RKL4305	1.0	⇒ Fig. 24-91
RKL4304	1.5	⇒ Fig. 24-90
RKL4347	2.5	⇒ Fig. 24-133

Power cable - bulk head connector for RLS11xx series

Ordering designation	Cross-section [mm ²]
RLS1105	1.0 ... 2.5

Fig. 7-4: RLS11xx separable connection, bulkhead connector

Power Cable - Connector RLS12xx

8 Power Cable - Connector RLS12xx

8.1 RLS1201-1.5 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4307	⇒ Fig. 24-93	⇒ Fig. 8-5	● RLS0721
RKL4306	⇒ Fig. 24-92	⇒ Fig. 8-5	● RLS0722
RKL0016	⇒ Fig. 24-82	⇒ Fig. 8-5	● RLS0745
RKL0017	⇒ Fig. 24-83	⇒ Fig. 8-5	● RLS0746

- **RLS0721**
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054
- **RLS0722**
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028
- **RLS0745**
HCS01.1E-W0003
HCS01.1E-W0005
HCS01.1E-W0008
- **RLS0746**
HCS01.1E-W0018
HCS01.1E-W0028

Fig.8-1: RLS1201 - 1.5 mm²

8.2 RLS1201-2.5 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4309	⇒ Fig. 24-95	⇒ Fig. 8-5	● RLS0721
RKL4308	⇒ Fig. 24-94	⇒ Fig. 8-5	● RLS0722
RKL4310	⇒ Fig. 24-96	⇒ Fig. 8-5	● RLS0723
RKL0018	⇒ Fig. 24-84	⇒ Fig. 8-5	● RLS0746

- **RLS0721**
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054
- **RLS0722**
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028
- **RLS0723**
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110
- **RLS0746**
HCS01.1E-W0018
HCS01.1E-W0028

Fig.8-2: RLS1201 - 2.5 mm²

Power Cable - Connector RLS12xx

8.3 RLS1201-4.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4314	⇒ Fig. 24-100	⇒ Fig. 8-5	● RLS0721
RKL4313	⇒ Fig. 24-99	⇒ Fig. 8-5	● RLS0722
RKL4315	⇒ Fig. 24-101	⇒ Fig. 8-5	● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210 HMS01.1N-W0350

Fig.8-3: RLS1201 - 4.0 mm²

8.4 RLS1201-6.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4317	⇒ Fig. 24-103	⇒ Fig. 8-5	● RLS0721
RKL4318	⇒ Fig. 24-104	⇒ Fig. 8-5	● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210 HMS01.1N-W0350

Fig.8-4: RLS1201 - 6.0 mm²

8.5 Power Cable with RLS12xx for Separable Connections

RLS1201 - INKxxxx - RLS1202



Ordering designation	Cross-section [mm ²]	Interconnection diagram
RKL4311	1.5	⇒ Fig. 24-97
RKL4312	2.5	⇒ Fig. 24-97
RKL4316	4.0	⇒ Fig. 24-98
RKL4319	6.0	⇒ Fig. 24-102

Power Cable - Connector RLS12xx

RLS1201 - INKxxxx - RLS1202

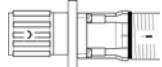


Ordering designation

Cross-section [mm²]

Interconnection diagram

Power cable - bulk head connector for RLS12xx series



Ordering designation

Cross-section [mm²]

RLS1205

1.5 ... 10.0

Fig.8-5: RLS12xx separable connection, bulkhead connector

Power Cable - Connector RLS13xx

9 Power Cable - Connector RLS13xx

9.1 RLS1301-1.5 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4320	⇒ Fig. 24-106	⇒ Fig. 9-9	● RLS0721
RKL4325	⇒ Fig. 24-111	⇒ Fig. 9-9	● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036		
	HMS02.1N-W0028		

Fig.9-1: RLS1301 - 1.5 mm²

9.2 RLS1301-2.5 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4321	⇒ Fig. 24-107	⇒ Fig. 9-9	● RLS0721
RKL4326	⇒ Fig. 24-112	⇒ Fig. 9-9	● RLS0722
RKL4343	⇒ Fig. 24-129	⇒ Fig. 9-9	● RLS0723
● RLS0721	● RLS0722	● RLS0723	● RLS0724
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036		
	HMS02.1N-W0028		

Fig.9-2: RLS1301 - 2.5 mm²

Power Cable - Connector RLS13xx

9.3 RLS1301-4.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4322	⇒ Fig. 24-108	⇒ Fig. 9-9	○ RLS0721
RKL4327	⇒ Fig. 24-113	⇒ Fig. 9-9	● RLS0722
○ RLS0721	● RLS0722	○ RLS0723	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-W0028	

Fig.9-3: RLS1301 - 4.0 mm²

9.4 RLS1301-6.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4323	⇒ Fig. 24-109	⇒ Fig. 9-9	○ RLS0721
RKL4328	⇒ Fig. 24-114	⇒ Fig. 9-9	● RLS0723
○ RLS0721	● RLS0722	○ RLS0723	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-W0028	

Fig.9-4: RLS1301 - 6.0 mm²

Power Cable - Connector RLS13xx

9.5 RLS1301-10.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4324	⇒ Fig. 24-110	⇒ Fig. 9-9	○ RLS0721
RKL4329	⇒ Fig. 24-115	⇒ Fig. 9-9	● RLS0723
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210
			● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig.9-5: RLS1301 - 10.0 mm²

9.6 RLS1301-16.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4344	⇒ Fig. 24-130	⇒ Fig. 9-9	○ RLS0721
RKL4330	⇒ Fig. 24-116	⇒ Fig. 9-9	● RLS0723
RKL4349	⇒ Fig. 24-134	⇒ Fig. 9-9	● RLS0724
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210
			● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig.9-6: RLS1301 - 16.0 mm²

Power Cable - Connector RLS13xx

9.7 RLS1301-25.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4331	⇒ Fig. 24-117	⇒ Fig. 9-9	● RLS0723
RKL4333	⇒ Fig. 24-119	⇒ Fig. 9-9	● RLS0724
○ RLS0721	● RLS0722	● RLS0723	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-W0028	

Fig.9-7: RLS1301 - 25.0 mm²

9.8 RLS1301-35.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4332	⇒ Fig. 24-118	⇒ Fig. 9-9	● RLS0723
RKL4334	⇒ Fig. 24-120	⇒ Fig. 9-9	● RLS0724
○ RLS0721	● RLS0722	● RLS0723	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-W0028	

Fig.9-8: RLS1301 - 35.0 mm²

9.9 Power Cable with RLS13xx for Separable Connections

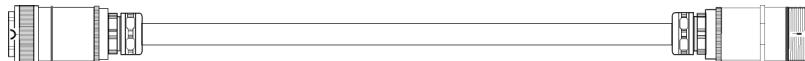
RLS1301 - INKxxxx - RLS1302



Ordering designation	Cross-section [mm ²]	Interconnection diagram
RKL4335	1.5	⇒ Fig. 24-121
RKL4336	2.5	⇒ Fig. 24-122
RKL4337	4.0	⇒ Fig. 24-123
RKL4338	6.0	⇒ Fig. 24-124
RKL4339	10.0	⇒ Fig. 24-125

Power Cable - Connector RLS13xx

RLS1301 - INKxxxx - RLS1302



Ordering designation	Cross-section [mm ²]	Interconnection diagram
RKL4340	16.0	⇒ Fig. 24-126
RKL4341	25.0	⇒ Fig. 24-127
RKL4342	35.0	⇒ Fig. 24-128

Fig.9-9: RLS13xx Separable connection

Power Cable - Connector INS048x

10 Power Cable - Connector INS048x

10.1 INS0481-1.5 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4115	⇒ Fig. 24-49	⇒ Fig. 10-6	○ RLS0721
IKG4140	⇒ Fig. 24-56	⇒ Fig. 10-6	● RLS0722
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 10-1: INS0481 - 1.5 mm²

10.2 INS0481-2.5 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4116	⇒ Fig. 24-50	⇒ Fig. 10-6	○ RLS0721
IKG4139	⇒ Fig. 24-55	⇒ Fig. 10-6	● RLS0722
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 10-2: INS0481 - 2.5 mm²

Power Cable - Connector INS048x

10.3 INS0481-4.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4117	⇒ Fig. 24-51	⇒ Fig. 10-6	● RLS0721
IKG4177	⇒ Fig. 24-71	⇒ Fig. 10-6	● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210
● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 10-3: INS0481 - 4.0 mm²

10.4 INS0481-6.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4118	⇒ Fig. 24-52	⇒ Fig. 10-6	● RLS0721
IKG4215	⇒ Fig. 24-74	⇒ Fig. 10-6	● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210
● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 10-4: INS0481 - 6.0 mm²

Power Cable - Connector INS048x

10.5 INS0481-10.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4175	⇒ Fig. 24-69	⇒ Fig. 10-6	● RLS0721
IKG4169	⇒ Fig. 24-65	⇒ Fig. 10-6	● RLS0723
● RLS0721	● RLS0722	● RLS0723	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-W0028	

Fig. 10-5: INS0481 - 10.0 mm²

10.6 Power Cable with INS048xx for Separable Connections

INS0481 - INK06xx - INS0482



Ordering designation	Cross-section [mm ²]	Interconnection diagram
IKG4051	1.5	⇒ Fig. 24-45
IKG4061	2.5	⇒ Fig. 24-46
IKG4081	4.0	⇒ Fig. 24-47
IKG4101	6.0	⇒ Fig. 24-48
IKG4121	10.0	⇒ Fig. 24-53

Fig. 10-6: INS0481 Separable connection

Power Cable - Connector INS038x

11 Power Cable - Connector INS038x

11.1 INS0381-6.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4136	⇒ Fig. 24-54	⇒ Fig. 11-6	● RLS0721
IKG4155	⇒ Fig. 24-62	⇒ Fig. 11-6	● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210 ● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 11-1: INS0381 - 6.0 mm²

11.2 INS0381-10.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4176	⇒ Fig. 24-70	⇒ Fig. 11-6	● RLS0721
IKG4168	⇒ Fig. 24-64	⇒ Fig. 11-6	● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210 ● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 11-2: INS0381 - 10.0 mm²

Power Cable - Connector INS038x

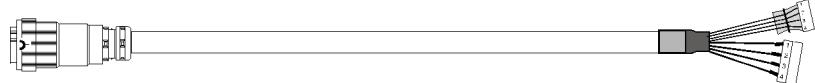
11.3 INS0381-16.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4172	⇒ Fig. 24-66	⇒ Fig. 11-6	● RLS0723
○ RLS0721	● RLS0722	● RLS0723	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036		
	HMS02.1N-W0028		

Fig. 11-3: INS0381 - 16.0 mm²

11.4 INS0381-25.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4173	⇒ Fig. 24-67	⇒ Fig. 11-6	● RLS0723
RKL4620	⇒ Fig. 24-201	⇒ Fig. 11-6	● RLS0724
○ RLS0721	● RLS0722	● RLS0723	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036		
	HMS02.1N-W0028		

Fig. 11-4: INS0381 - 25.0 mm²

11.5 INS0381-35.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4174	⇒ Fig. 24-68	⇒ Fig. 11-6	● RLS0723
RKL4621	⇒ Fig. 24-202	⇒ Fig. 11-6	● RLS0724

Power Cable - Connector INS038x



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
RKL4778	⇒ Fig. 24-283	⇒ Fig. 11-6	● RLS0727
● RLS0721	● RLS0722	● RLS0723	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036		
	HMS02.1N-W0028		

Fig. 11-5: INS0381 - 35.0 mm²

11.6 Power Cable with INS038xx for Separable Connections

INS0381 - INK06xx - INS0382



Ordering designation	Cross-section [mm ²]	Interconnection diagram
IKG4141	6.0	⇒ Fig. 24-57
IKG4161	10.0	⇒ Fig. 24-63
IKG4181	16.0	⇒ Fig. 24-72
IKG4201	25.0	⇒ Fig. 24-73
IKG4221	35.0	⇒ Fig. 24-75

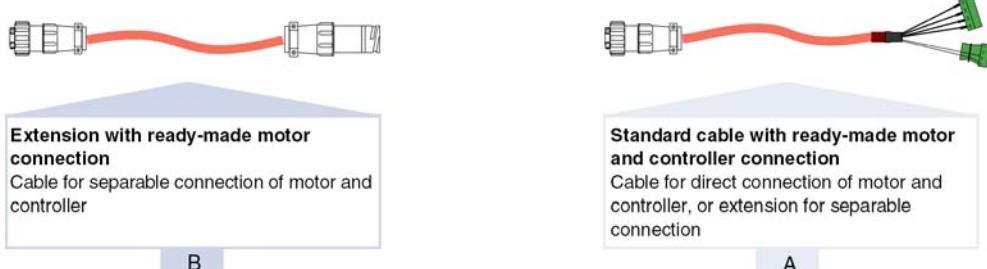
Fig. 11-6: INS0381 Separable connection

Power Cable - Connector INS075x

12 Power Cable - Connector INS075x

12.1 INS0751-0.75 mm²

INS075x with power wire cross section 0.75 mm²



Option	Ordering designation	Description	Interconnection diagram	Connection IndraDrive
A	RKL0013/xxx,x	Direct connection	⇒ Fig. 24-79	HCS01.1E-... W0003 W0005 W0006 W0008 W0009 W0013
B	RKL0035/xxx.x	Extension motor	⇒ Fig. 24-85	-

k1000214_en_h11

/xxx.x Specification of the length required (max. 75.0 m; smallest divisor 0.5 m)

Fig. 12-1: *Cable selection*

Power Cable - Terminal Box RLK12xx

13 Power Cable - Terminal Box RLK12xx

13.1 RLK1201-1.5 mm²

13.1.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4702	⇒ Fig. 24-210			● RLS0721
RKL4703	⇒ Fig. 24-211			● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 13-1: RLK1201 - 1.5 mm²

13.1.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS11xx"

RLK1201 - 1.5 mm² - RLS1102



Ordering designation	Interconnection diagram	Continuation
RKL4753	⇒ Fig. 24-258	chapter 7.2 "RLS1101-1.5 mm ² " on page 43

Fig. 13-2: RLK1201 - 1.5 mm² - RLS1102

Power Cable - Terminal Box RLK12xx

13.2 RLK1201-2.5 mm²

13.2.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4704	⇒ Fig. 24-212				● RLS0721
RKL4705	⇒ Fig. 24-213				● RLS0722
RKL4706	⇒ Fig. 24-214				● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMS01.1N-W0036 HMS01.1N-W0020 HMS02.1N-F0070	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	
HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMS01.1N-W0036 HMS01.1N-W0020 HMS02.1N-F0070	HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0020 HMS01.1N-W0036	HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0070	HCS04.1E-W0500 HMS01.1N-W0350	
HMS02.1N-W0028		HMS02.1N-W0028			

Fig. 13-3: RLK1201 - 2.5 mm²

13.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1201 - 2.5 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4754	⇒ Fig. 24-259	chapter 8.2 "RLS1201-2.5 mm ² " on page 45

Fig. 13-4: RLK1201 - 2.5 mm² - RLS1202

Power Cable - Terminal Box RLK12xx

13.3 RLK1201-4.0 mm²

13.3.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4707	⇒ Fig. 24-215				● RLS0721
RKL4708	⇒ Fig. 24-216				● RLS0722
RKL4709	⇒ Fig. 24-217				● RLS0723
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMS01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	

Fig. 13-5: RLK1201 - 4.0 mm²

13.3.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1201 - 4.0 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4755	⇒ Fig. 24-260	chapter 8.3 "RLS1201-4.0 mm ² " on page 46

Fig. 13-6: RLK1201 - 4.0 mm² - RLS1202

Power Cable - Terminal Box RLK12xx

13.4 RLK1201-6.0 mm²

13.4.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4710	⇒ Fig. 24-218			○ RLS0721
RKL4711	⇒ Fig. 24-219			○ RLS0723
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 13-7: RLK1201 - 6.0 mm²

13.4.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1201 - 6.0 mm ² - RLS1202		

Ordering designation	Interconnection diagram	Continuation
RKL4756	⇒ Fig. 24-261	chapter 8.4 "RLS1201-6.0 mm ² " on page 46

Fig. 13-8: RLK1201 - 6.0 mm² - RLS1202

13.5 RLK1201-10.0 mm²

13.5.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4712	⇒ Fig. 24-220			○ RLS0721
RKL4713	⇒ Fig. 24-221			○ RLS0723
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 13-9: RLK1201 - 10.0 mm²

Power Cable - Terminal Box RLK12xx

13.5.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1201 - 10.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4757	⇒ Fig. 24-262	chapter 9.5 "RLS1301-10.0 mm ² " on page 51

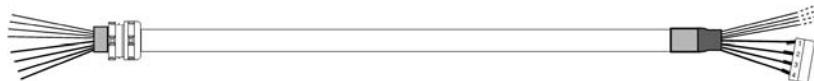
Fig. 13-10: RLK1201 - 10.0 mm² - RLS1302

Power Cable - Terminal Box RLK13xx

14 Power Cable - Terminal Box RLK13xx

14.1 RLK1301-1.5 mm²

14.1.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4714	⇒ Fig. 24-222			● RLS0721
RKL4715	⇒ Fig. 24-223			● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 14-1: RLK1301 - 1.5 mm²

14.1.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS11xx"

RLK1301 - 1.5 mm² - RLS1102



Ordering designation	Interconnection diagram	Continuation
RKL4758	⇒ Fig. 24-263	chapter 7.2 "RLS1101-1.5 mm ² " on page 43

Fig. 14-2: RLK1301 - 1.5 mm² - RLS1102

Power Cable - Terminal Box RLK13xx

14.2 RLK1301-2.5 mm²

14.2.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4716	⇒ Fig. 24-224				● RLS0721
RKL4717	⇒ Fig. 24-225				● RLS0722
RKL4718	⇒ Fig. 24-226				● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMS01.1N-W0036 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	HCS04.1E-W0500 HMS01.1N-W0350	● RLS0727

Fig. 14-3: RLK1301 - 2.5 mm²

14.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1301 - 2.5 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4759	⇒ Fig. 24-264	chapter 8.2 "RLS1201-2.5 mm ² " on page 45

Fig. 14-4: RLK1301 - 2.5 mm² - RLS1202

Power Cable - Terminal Box RLK13xx

14.3 RLK1301-4.0 mm²

14.3.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4719	⇒ Fig. 24-227				● RLS0721
RKL4720	⇒ Fig. 24-228				● RLS0722
RKL4721	⇒ Fig. 24-229				● RLS0723
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMS01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	

Fig. 14-5: RLK1301 - 4.0 mm²

14.3.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1301 - 4.0 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4760	⇒ Fig. 24-265	chapter 8.3 "RLS1201-4.0 mm ² " on page 46

Fig. 14-6: RLK1301 - 4.0 mm² - RLS1202

Power Cable - Terminal Box RLK13xx

14.4 RLK1301-6.0 mm²

14.4.1 Direct Connection

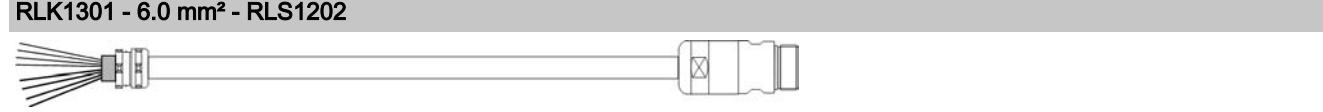


Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4722	⇒ Fig. 24-230			● RLS0721
RKL4723	⇒ Fig. 24-231			● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 14-7: RLK1301 - 6.0 mm²

14.4.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"



Ordering designation	Interconnection diagram	Continuation
RKL4761	⇒ Fig. 24-266	chapter 8.4 "RLS1201-6.0 mm ² " on page 46

Fig. 14-8: RLK1301 - 6.0 mm² - RLS1202

Power Cable - Terminal Box RLK13xx

14.5 RLK1301-10.0 mm²

14.5.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4724	⇒ Fig. 24-232				● RLS0721
RKL4725	⇒ Fig. 24-233				● RLS0723
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	
○ RLS0723	○ RLS0722	○ RLS0724	○ RLS0727		

Fig. 14-9: RLK1301 - 10.0 mm²

14.5.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1301 - 10.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4762	⇒ Fig. 24-267	chapter 9.5 "RLS1301-10.0 mm ² " on page 51

Fig. 14-10: RLK1301 - 10.0 mm² - RLS1302

Power Cable - Terminal Box RLK13xx

14.6 RLK1301-16.0 mm²

14.6.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive																																				
RKL4776	⇒ Fig. 24-281	● RLS0721																																				
RKL4726	⇒ Fig. 24-234	● RLS0723																																				
RKL4777	⇒ Fig. 24-282	● RLS0724																																				
<table border="0"> <tr> <td>● RLS0721</td> <td>● RLS0722</td> <td>● RLS0723</td> <td>● RLS0724</td> </tr> <tr> <td>HCS02.1E-W0054</td> <td>HCS02.1E-W0012</td> <td>HCS03.1E-W0100</td> <td>HCS03.1E-W0210</td> </tr> <tr> <td>HCS02.1E-W0070</td> <td>HCS02.1E-W0028</td> <td>HCS03.1E-W0150</td> <td>HMS01.1N-W0350</td> </tr> <tr> <td>HCS03.1E-W0070</td> <td>HMD01.1N-W0012</td> <td>HMS01.1N-W0110</td> <td></td> </tr> <tr> <td>HMS01.1N-W0054</td> <td>HMD01.1N-W0020</td> <td>HMS01.1N-W0150</td> <td></td> </tr> <tr> <td>HMS01.1N-W0070</td> <td>HMD01.1N-W0036</td> <td>HMS01.1N-W0210</td> <td></td> </tr> <tr> <td>HMS02.1N-F0070</td> <td>HMS01.1N-W0020</td> <td>HMS02.1N-F0110</td> <td></td> </tr> <tr> <td>HMS02.1N-W0054</td> <td>HMS01.1N-W0036</td> <td></td> <td></td> </tr> <tr> <td></td> <td>HMS02.1N-W0028</td> <td></td> <td></td> </tr> </table>			● RLS0721	● RLS0722	● RLS0723	● RLS0724	HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350	HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		HMS02.1N-W0054	HMS01.1N-W0036				HMS02.1N-W0028		
● RLS0721	● RLS0722	● RLS0723	● RLS0724																																			
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210																																			
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350																																			
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110																																				
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150																																				
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210																																				
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110																																				
HMS02.1N-W0054	HMS01.1N-W0036																																					
	HMS02.1N-W0028																																					

Fig. 14-11: RLK1301 - 16.0 mm²

14.6.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1301 - 16.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4763	⇒ Fig. 24-268	chapter 9.6 "RLS1301-16.0 mm ² " on page 51

Fig. 14-12: RLK1301 - 16.0 mm² - RLS1302

Power Cable - Terminal Box RLK13xx

14.7 RLK1301-25.0 mm²

14.7.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4727	⇒ Fig. 24-235				● RLS0723
RKL4728	⇒ Fig. 24-236				● RLS0724
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 14-13: RLK1301 - 25.0 mm²

14.7.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1301 - 25.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4764	⇒ Fig. 24-269	chapter 9.7 "RLS1301-25.0 mm ² " on page 52

Fig. 14-14: RLK1301 - 25.0 mm² - RLS1302

Power Cable - Terminal Box RLK13xx

14.8 RLK1301-35.0 mm²

14.8.1 Direct Connection

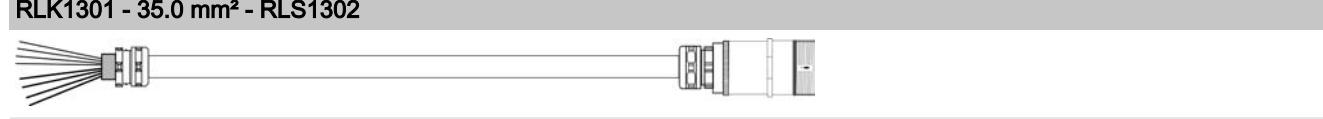


Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4729	⇒ Fig. 24-237			● RLS0723
RKL4730	⇒ Fig. 24-238			● RLS0724
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 14-15: RLK1301 - 35.0 mm²

14.8.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"



Ordering designation	Interconnection diagram	Continuation
RKL4765	⇒ Fig. 24-270	chapter 9.8 "RLS1301-35.0 mm ² " on page 52

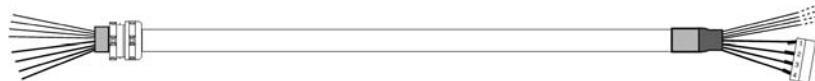
Fig. 14-16: RLK1301 - 35.0 mm² - RLS1302

Power Cable - Terminal Box RLK14xx

15 Power Cable - Terminal Box RLK14xx

15.1 RLK1401-6.0 mm²

15.1.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4731	⇒ Fig. 24-239				● RLS0721
RKL4732	⇒ Fig. 24-240				● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210		● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 15-1: RLK1401 - 6.0 mm²

15.1.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1401 - 6.0 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4766	⇒ Fig. 24-271	chapter 8.4 "RLS1201-6.0 mm ² " on page 46

Fig. 15-2: RLK1401 - 6.0 mm² - RLS1202

Power Cable - Terminal Box RLK14xx

15.2 RLK1401-10.0 mm²

15.2.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4733	⇒ Fig. 24-241			● RLS0721
RKL4734	⇒ Fig. 24-242			● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 15-3: RLK1401 - 10.0 mm²

15.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1401 - 10.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4767	⇒ Fig. 24-272	chapter 9.5 "RLS1301-10.0 mm ² " on page 51

Fig. 15-4: RLK1401 - 10.0 mm² - RLS1302

Power Cable - Terminal Box RLK14xx

15.3 RLK1401-16.0 mm²

15.3.1 Direct Connection



Ordering designation	Interconnection diagram	Options	Connection IndraDrive
RKL4735	⇒ Fig. 24-243		● RLS0723
○ RLS0721	● RLS0722	○ RLS0723	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150	HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110	
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150	
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210	
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110	
HMS02.1N-W0054	HMS01.1N-W0036		
		HMS02.1N-W0028	

Fig. 15-5: RLK1401 - 16.0 mm²

15.3.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1401 - 16.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4768	⇒ Fig. 24-273	chapter 9.6 "RLS1301-16.0 mm ² " on page 51

Fig. 15-6: RLK1401 - 16.0 mm² - RLS1302

Power Cable - Terminal Box RLK14xx

15.4 RLK1401-25.0 mm²

15.4.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4736	⇒ Fig. 24-244			● RLS0723
RKL4737	⇒ Fig. 24-245			● RLS0724
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 15-7: RLK1401 - 25.0 mm²

15.4.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1401 - 25.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4769	⇒ Fig. 24-274	chapter 9.7 "RLS1301-25.0 mm ² " on page 52

Fig. 15-8: RLK1401 - 25.0 mm² - RLS1302

Power Cable - Terminal Box RLK14xx

15.5 RLK1401-35.0 mm²

15.5.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4750	⇒ Fig. 24-255				● RLS0723
RKL4751	⇒ Fig. 24-256				● RLS0724
RKL4779	⇒ Fig. 24-284				● RLS0727
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMS01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 15-9: RLK1401 - 35.0 mm²

15.5.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1401 - 35.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4770	⇒ Fig. 24-275	chapter 9.8 "RLS1301-35.0 mm ² " on page 52

Fig. 15-10: RLK1401 - 35.0 mm² - RLS1302

Power Cable - Terminal Box RLK14xx

15.6 RLK1401-50.0 mm²

15.6.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4738	⇒ Fig. 24-246			● RLS0723
RKL4739	⇒ Fig. 24-247			● RLS0724
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 15-11: RLK1401 - 50.0 mm²

15.6.2 Separable Connection

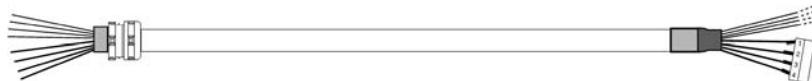
- not available -

Power Cable - Terminal Box RLK15xx

16 Power Cable - Terminal Box RLK15xx

16.1 RLK1501-16.0 mm²

16.1.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4740	⇒ Fig. 24-248				● RLS0723
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	

Fig. 16-1: RLK1501 - 16.0 mm²

16.1.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1501 - 16.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4771	⇒ Fig. 24-276	chapter 9.6 "RLS1301-16.0 mm ² " on page 51

Fig. 16-2: RLK1501 - 16.0 mm² - RLS1302

Power Cable - Terminal Box RLK15xx

16.2 RLK1501-25.0 mm²

16.2.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4741	⇒ Fig. 24-249			● RLS0723
RKL4742	⇒ Fig. 24-250			● RLS0724
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 16-3: RLK1501 - 25.0 mm²

16.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1501 - 25.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4772	⇒ Fig. 24-277	chapter 9.7 "RLS1301-25.0 mm ² " on page 52

Fig. 16-4: RLK1501 - 25.0 mm² - RLS1302

Power Cable - Terminal Box RLK15xx

16.3 RLK1501-35.0 mm²

16.3.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4743	⇒ Fig. 24-251				● RLS0723
RKL4744	⇒ Fig. 24-252				● RLS0724
RKL4780	⇒ Fig. 24-285				● RLS0727
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMS01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	

Fig. 16-5: RLK1501 - 35.0 mm²

16.3.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1501 - 35.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4773	⇒ Fig. 24-278	chapter 9.8 "RLS1301-35.0 mm ² " on page 52

Fig. 16-6: RLK1501 - 35.0 mm² - RLS1302

Power Cable - Terminal Box RLK15xx

16.4 RLK1501-50.0 mm²

16.4.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive		
RKL4745	⇒ Fig. 24-253	● RLS0723		
RKL4746	⇒ Fig. 24-254	● RLS0724		
RKL4782	⇒ Fig. 24-287	● RLS0727		
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210 HMS01.1N-W0350	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350
HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0210 HMS02.1N-F0110	HCS03.1E-W0210 HMS01.1N-W0350	HCS04.1E-W0500 HMS01.1N-W0350
HMS01.1N-W0028	HMS01.1N-W0028			

Fig. 16-7: RLK1501 - 50.0 mm²

16.4.2 Separable Connection

- not available -

Power Cable - Terminal Box RLK15xx

16.5 **RLK1501-70.0 mm²**

16.5.1 Direct Connection

The terminal box RLK1500 is provided for a clamping with 70.0 mm². This cable is not in the scope of delivery of Bosch Rexroth.

16.5.2 Separable Connection

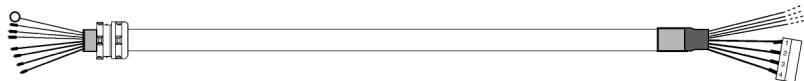
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Power Cable - Terminal Box Size 1 (RLK0003)

17 Power Cable - Terminal Box Size 1 (RLK0003)

17.1 RLK0003-2.5 mm²

17.1.1 Direct Connection

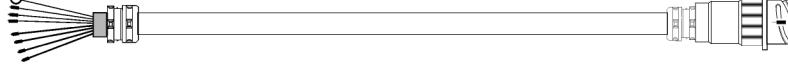


Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4497	⇒ Fig. 24-154				● RLS0721
RKL4481	⇒ Fig. 24-138				● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210		● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 17-1: RLK0003 - 2.5 mm²

17.1.2 Separable Connection

RLK0003 - 2.5 mm² - INS0482



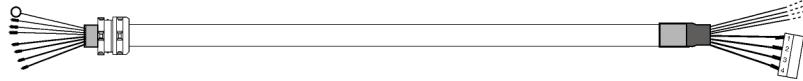
Ordering designation	Interconnection diagram	Continuation
RKL4521	⇒ Fig. 24-170	chapter 10.2 "INS0481-2.5 mm ² " on page 55

Fig. 17-2: RLK0003 - 2.5 mm² - INS0482

Power Cable - Terminal Box Size 1 (RLK0003)

17.2 RLK0003-4.0 mm²

17.2.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4482	⇒ Fig. 24-139				● RLS0721
RKL4502	⇒ Fig. 24-157				● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350
HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	HMS01.1N-W0350	

Fig. 17-3: RLK0003 - 4.0 mm²

17.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS11xx"

RLK0003 - 4.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4522	⇒ Fig. 24-171	chapter 10.3 "INS0481-4.0 mm ² " on page 56

Fig. 17-4: RLK0003 - 4.0 mm² - INS0482

Power Cable - Terminal Box Size 1 (RLK0003)

17.3 RLK0003-6.0 mm²

17.3.1 Direct Connection

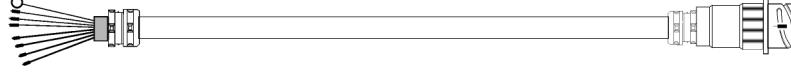


Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4483	⇒ Fig. 24-140			● RLS0721
○ RLS0721	● RLS0722	○ RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
		HMS02.1N-W0028		

Fig. 17-5: RLK0003 - 6.0 mm²

17.3.2 Separable Connection

RLK0003 - 6.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4523	⇒ Fig. 24-172	chapter 11.1 "INS0381-6.0 mm ² " on page 59
RKL4523	⇒ Fig. 24-172	chapter 11.1 "INS0381-6.0 mm ² " on page 59

Fig. 17-6: RLK0003 - 6.0 mm² - INS0482

Power Cable - Terminal Box Size 1 (RLK0003)

17.4 RLK0003-10.0 mm²

17.4.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4504	⇒ Fig. 24-158			● RLS0721
RKL4484	⇒ Fig. 24-141			● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 17-7: RLK0003 - 10.0 mm²

17.4.2 Separable Connection

RLK0003 - 10.0 mm ² - INS0482		
Ordering designation	Interconnection diagram	Continuation

Ordering designation	Interconnection diagram	Continuation
RKL4524	⇒ Fig. 24-173	chapter 10.5 "INS0481-10.0 mm ² " on page 57

Fig. 17-8: RLK0003 - 10.0 mm² - INS0482

Power Cable - Terminal Box Size 2 (RLK0004)

18 Power Cable - Terminal Box Size 2 (RLK0004)

18.1 RLK0004-2.5 mm²

18.1.1 Direct Connection

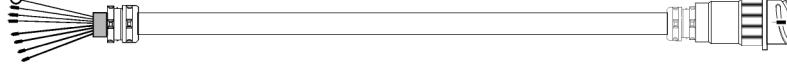


Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4498	⇒ Fig. 24-155				● RLS0721
RKL4485	⇒ Fig. 24-142				● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727	
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500	
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350	
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110			
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150			
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210			
HMS02.1N-F0070	HMS01.1N-W0020	HMS01.1N-W0036	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0028				

Fig. 18-1: RLK0004 - 2.5 mm²

18.1.2 Separable Connection

RLK0004 - 2.5 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4525	⇒ Fig. 24-174	chapter 10.2 "INS0481-2.5 mm ² " on page 55

Fig. 18-2: RLK0004 - 2.5 mm² - INS0482

Power Cable - Terminal Box Size 2 (RLK0004)

18.2 RLK0004-4.0 mm²

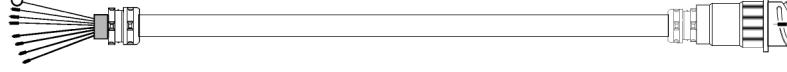
18.2.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4506	⇒ Fig. 24-159			● RLS0721
RKL4486	⇒ Fig. 24-143			● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 18-3: RLK0004 - 4.0 mm²

18.2.2 Separable Connection

RLK0004 - 4.0 mm² - INS0482

Ordering designation	Interconnection diagram	Continuation
RKL4526	⇒ Fig. 24-175	chapter 10.3 "INS0481-4.0 mm ² " on page 56

Fig. 18-4: RLK0004 - 4.0 mm² - INS0482

Power Cable - Terminal Box Size 2 (RLK0004)

18.3 RLK0004-6.0 mm²

18.3.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4487	⇒ Fig. 24-144			● RLS0721
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
		HMS02.1N-W0028		

Fig. 18-5: RLK0004 - 6.0 mm²

18.3.2 Separable Connection

RLK0004 - 6.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4527		chapter 10.4 "INS0481-6.0 mm ² " on page 56

Fig. 18-6: RLK0004 - 6.0 mm² - INS0482

Power Cable - Terminal Box Size 2 (RLK0004)

18.4 RLK0004-10.0 mm²

18.4.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4508	⇒ Fig. 24-160			● RLS0721
RKL4488	⇒ Fig. 24-145			● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 18-7: RLK0004 - 10.0 mm²

18.4.2 Separable Connection

RLK0004 - 10.0 mm ² - INS0482		
Ordering designation	Interconnection diagram	Continuation
RKL4528	⇒ Fig. 24-177	chapter 10.5 "INS0481-10.0 mm ² " on page 57

Fig. 18-8: RLK0004 - 10.0 mm² - INS0482

Power Cable - Terminal Box Size 2 (RLK0004)

18.5 RLK0004-16.0 mm²

18.5.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4489	⇒ Fig. 24-146	● RLS0723
RKL4637	⇒ Fig. 24-203	● RLS0724
● RLS0723	● RLS0724	
HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	HCS03.1E-W0210	

Fig. 18-9: RLK0004 - 16.0 mm²

18.5.2 Separable Connection



Ordering designation	Interconnection diagram	Continuation
RKL4529	⇒ Fig. 24-178	chapter 11.3 "INS0381-16.0 mm ² " on page 60

Fig. 18-10: RLK0004 - 16.0 mm² - INS0382

Power Cable - Terminal Box Size 2 (RLK0004)

18.6 RLK0004-25.0 mm²

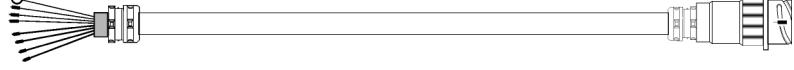
18.6.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4544	⇒ Fig. 24-190			● RLS0723
RKL4545	⇒ Fig. 24-191			● RLS0724
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 18-11: RLK0004 - 25.0 mm²

18.6.2 Separable Connection

RLK0004 - 25.0 mm² - INS0382

Ordering designation	Interconnection diagram	Continuation
RKL4547	⇒ Fig. 24-192	chapter 11.4 "INS0381-25.0 mm ² " on page 60

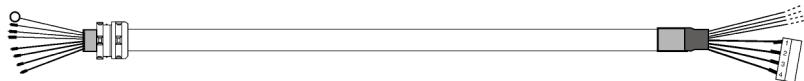
Fig. 18-12: RLK0004 - 25.0 mm² - INS0382

Power Cable - Terminal Box Size 3 (RLK0005)

19 Power Cable - Terminal Box Size 3 (RLK0005)

19.1 RLK0005-2.5 mm²

19.1.1 Direct Connection

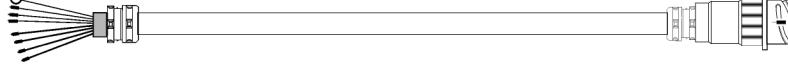


Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4511	⇒ Fig. 24-162			● RLS0721
RKL4510	⇒ Fig. 24-161			● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 19-1: RLK0005 - 2.5 mm²

19.1.2 Separable Connection

RLK0005 - 2.5 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4537	⇒ Fig. 24-186	chapter 10.2 "INS0481-2.5 mm ² " on page 55

Fig. 19-2: RLK0005 - 2.5 mm² - INS0482

Power Cable - Terminal Box Size 3 (RLK0005)

19.2 RLK0005-4.0 mm²

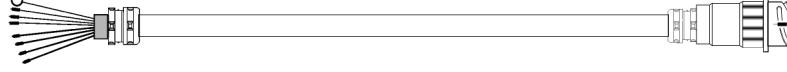
19.2.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4492	⇒ Fig. 24-149			● RLS0721
RKL4512	⇒ Fig. 24-163			● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 19-3: RLK0005 - 4.0 mm²

19.2.2 Separable Connection

RLK0005 - 4.0 mm² - INS0482

Ordering designation	Interconnection diagram	Continuation
RKL4532	⇒ Fig. 24-181	chapter 10.3 "INS0481-4.0 mm ² " on page 56

Fig. 19-4: RLK0005 - 4.0 mm² - INS0482

Power Cable - Terminal Box Size 3 (RLK0005)

19.3 RLK0005-6.0 mm²

19.3.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4493	⇒ Fig. 24-150			● RLS0721
○ RLS0721	● RLS0722	○ RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
		HMS02.1N-W0028		

Fig. 19-5: RLK0005 - 6.0 mm²

19.3.2 Separable Connection

RLK0005 - 6.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4533	⇒ Fig. 24-182	chapter 10.4 "INS0481-6.0 mm ² " on page 56

Fig. 19-6: RLK0005 - 6.0 mm² - INS0482

Power Cable - Terminal Box Size 3 (RLK0005)

19.4 RLK0005-10.0 mm²

19.4.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4514	⇒ Fig. 24-164			● RLS0721
RKL4494	⇒ Fig. 24-151			● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 19-7: RLK0005 - 10.0 mm²

19.4.2 Separable Connection

RLK0005 - 10.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4534	⇒ Fig. 24-183	chapter 10.5 "INS0481-10.0 mm ² " on page 57

Fig. 19-8: RLK0005 - 10.0 mm² - INS0482

Power Cable - Terminal Box Size 3 (RLK0005)

19.5 RLK0005-16.0 mm²

19.5.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4495	⇒ Fig. 24-152			● RLS0723
○ RLS0721	● RLS0722	○ RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
		HMS02.1N-W0028		

Fig. 19-9: RLK0005 - 16.0 mm²

19.5.2 Separable Connection

RLK0005 - 16.0 mm² - INS0382



Ordering designation	Interconnection diagram	Continuation
RKL4535	⇒ Fig. 24-184	chapter 11.3 "INS0381-16.0 mm ² " on page 60

Fig. 19-10: RLK0005 - 16.0 mm² - INS0382

Power Cable - Terminal Box Size 3 (RLK0005)

19.6 RLK0005-25.0 mm²

19.6.1 Direct Connection

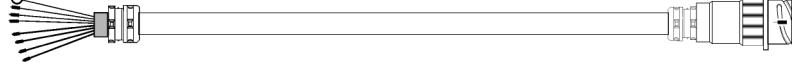


Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4490	⇒ Fig. 24-147			● RLS0723
RKL4439	⇒ Fig. 24-135			● RLS0724
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 19-11: RLK0005 - 25.0 mm²

19.6.2 Separable Connection

RLK0005 - 25.0 mm² - INS0382



Ordering designation	Interconnection diagram	Continuation
RKL4530	⇒ Fig. 24-179	chapter 11.4 "INS0381-25.0 mm ² " on page 60

Fig. 19-12: RLK0005 - 25.0 mm² - INS0382

Power Cable - Terminal Box Size 3 (RLK0005)

19.7 RLK0005-35.0 mm²

19.7.1 Direct Connection

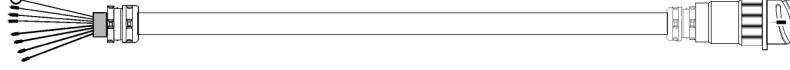


Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4491	⇒ Fig. 24-148				● RLS0723
RKL4548	⇒ Fig. 24-193				● RLS0724
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig. 19-13: RLK0005 - 35.0 mm²

19.7.2 Separable Connection

RLK0005 - 35.0 mm² - INS0382



Ordering designation	Interconnection diagram	Continuation
RKL4531	⇒ Fig. 24-180	chapter 11.5 "INS0381-35.0 mm ² " on page 60

Fig. 19-14: RLK0005 - 35.0 mm² - INS0382

Power Cable - Terminal Box Size 4 (RLK0006)

20 Power Cable - Terminal Box Size 4 (RLK0006)

20.1 RLK0006-10.0 mm²

20.1.1 Direct Connection

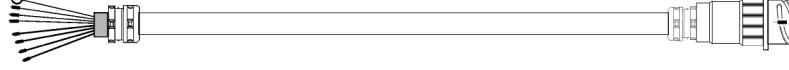


Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4496	⇒ Fig. 24-153			● RLS0721
RKL4516	⇒ Fig. 24-165			● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig.20-1: RLK0006 - 10.0 mm²

20.1.2 Separable Connection

RLK0006 - 10.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4536	⇒ Fig. 24-185	chapter 10.5 "INS0481-10.0 mm ² " on page 57

Fig.20-2: RLK0006 - 10.0 mm² - INS0482

Power Cable - Terminal Box Size 4 (RLK0006)

20.2 RLK0006-16.0 mm²

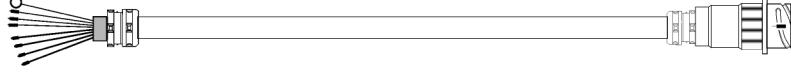
20.2.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4520	⇒ Fig. 24-169			● RLS0723
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-W0028		

Fig.20-3: RLK0006 - 16.0 mm²

20.2.2 Separable Connection

RLK0006 - 16.0 mm² - INS0382

Ordering designation	Interconnection diagram	Continuation
RKL4540	⇒ Fig. 24-189	chapter 11.3 "INS0381-16.0 mm ² " on page 60

Fig.20-4: RLK0006 - 16.0 mm² - INS0382

Power Cable - Terminal Box Size 4 (RLK0006)

20.3 RLK0006-25.0 mm²

20.3.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4518	⇒ Fig. 24-167				● RLS0723
RKL4457	⇒ Fig. 24-136				● RLS0724
RKL4644	⇒ Fig. 24-205				● RLS0727
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig.20-5: RLK0006 - 25.0 mm²

20.3.2 Separable Connection

RLK0006 - 25.0 mm² - INS0382



Ordering designation	Interconnection diagram	Continuation
RKL4538	⇒ Fig. 24-187	chapter 11.4 "INS0381-25.0 mm ² " on page 60

Fig.20-6: RLK0006 - 25.0 mm² - INS0382

Power Cable - Terminal Box Size 4 (RLK0006)

20.4 RLK0006-35.0 mm²

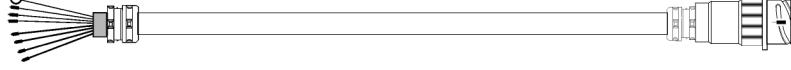
20.4.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4519	⇒ Fig. 24-168			● RLS0723
RKL4499	⇒ Fig. 24-156			● RLS0724
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110 HMS02.1N-W0028	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig.20-7: RLK0006 - 35.0 mm²

20.4.2 Separable Connection

RLK0006 - 35.0 mm² - INS0382

Ordering designation	Interconnection diagram	Continuation
RKL4539	⇒ Fig. 24-188	chapter 11.5 "INS0381-35.0 mm ² " on page 60

Fig.20-8: RLK0006 - 35.0 mm² - INS0382

Power Cable - Terminal Box Size 4 (RLK0006)

20.5 RLK0006-50.0 mm²

20.5.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive		
RKL4517	⇒ Fig. 24-166	● RLS0723		
RKL4477	⇒ Fig. 24-137	● RLS0724		
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	○ RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig.20-9: RLK0006 - 50.0 mm²

20.5.2 Separable Connection

- not available -

Power Cable - Terminal Box Size 5 (RLK0007)

21 Power Cable - Terminal Box Size 5 (RLK0007)

21.1 RLK0007-25.0 mm²

21.1.1 Direct Connection

RLK0007 - 25.0 mm²



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4645	⇒ Fig. 24-206				● RLS0723
RKL4646	⇒ Fig. 24-207				● RLS0724
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Fig.21-1: RLK0007 - 25.0 mm²

21.1.2 Separable Connection

RLK0007 - 25.0 mm² - RLS1302

- connection on request -

Fig.21-2: RLK0007 - 25.0 mm² - RLS1302

Power Cable - Terminal Box Size 5 (RLK0007)

21.2 RLK0007-35.0 mm²

21.2.1 Direct Connection

RLK0007 - 35.0 mm²



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4638	⇒ Fig. 24-204			• RLS0727
• RLS0721 HCS02.1E-W0054	• RLS0722 HCS02.1E-W0012	• RLS0723 HCS03.1E-W0100	• RLS0724 HCS03.1E-W0210	• RLS0727 HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-W0028		

Fig.21-3: RLK0007 - 35.0 mm²

21.2.2 Separable Connection

- not available -

Power Cable - Terminal Box MKE

22 Power Cable - Terminal Box MKE

22.1 RLK2101-1.0 mm²

22.1.1 Direct Connection

WEF/RT - 1.0 mm²



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL0008	⇒ Fig. 24-78				● RLS0721
IKG4145	⇒ Fig. 24-58				● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	

Fig.22-1: WEF/RT - 1.0 mm²

22.2 RLK21U1-1.0 mm²

22.2.1 Direct Connection

WEF - 1.0 mm²



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4600	⇒ Fig. 24-194				● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	

Fig.22-2: WEF - 1.0 mm²

Power Cable - Terminal Box MKE

22.3 RLK2201-1.0 mm²

22.3.1 Direct Connection

WEF/RT - 1.0 mm²

Ordering designation	Interconnection diagram				Connection IndraDrive
RKL0008	⇒ Fig. 24-78				● RLS0721
IKG4145	⇒ Fig. 24-58				● RLS0722
○ RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727	
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500	
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350	
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110			
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150			
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210			
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110			
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-W0036			
	HMS02.1N-W0028	HMS02.1N-W0028			

Fig.22-3: WEF/RT - 1.0 mm²

22.4 RLK22U1-1.0 mm²

22.4.1 Direct Connection

WEF - 1.0 mm²

Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4600	⇒ Fig. 24-194				● RLS0722
○ RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727	
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500	
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350	
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110			
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150			
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210			
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110			
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-W0036			
	HMS02.1N-W0028	HMS02.1N-W0028			

Fig.22-4: WEF - 1.0 mm²

Power Cable - Terminal Box MKE

22.5 RLK2301-2.5 mm²

22.5.1 Direct Connection

WEF/RT - 2.5 mm²



Ordering designation	Interconnection diagram				Connection IndraDrive
IKG4148	⇒ Fig. 24-60				● RLS0721
IKG4146	⇒ Fig. 24-59				● RLS0722
RKL4781	⇒ Fig. 24-286				● RLS0723
○ RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727	
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500	
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350	
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110			
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150			
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210			
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110			
HMS02.1N-W0054	HMS01.1N-W0036				
	HMS02.1N-W0028				

Fig.22-5: WEF/RT - 2.5 mm²

22.6 RLK23U1-2.5 mm²

22.6.1 Direct Connection

WEF - 2.5 mm²



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4603	⇒ Fig. 24-196				● RLS0721
RKL4602	⇒ Fig. 24-195				● RLS0722
○ RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727	
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500	
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350	
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110			
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150			
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210			
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110			
HMS02.1N-W0054	HMS01.1N-W0036				
	HMS02.1N-W0028				

Fig.22-6: WEF - 2.5 mm²

Power Cable - Terminal Box MKE

22.7 RLK2301-6.0 mm²

22.7.1 Direct Connection

WEF/RT - 6.0 mm²

Ordering designation	Interconnection diagram			Connection IndraDrive
IKG4149	⇒ Fig. 24-61			○ RLS0721
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	○ RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	○ RLS0724 HCS03.1E-W0210	○ RLS0727 HCS04.1E-W0500 HMS01.1N-W0350
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		
HMD01.1N-W0012	HMD01.1N-W0020	HMS01.1N-W0110		
HMS01.1N-W0020	HMS01.1N-W0036	HMS01.1N-W0150		
HMS02.1N-F0070	HMS01.1N-W0020	HMS01.1N-W0210		
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-F0110		
	HMS02.1N-W0028			

Fig.22-7: WEF/RT - 6.0 mm²

22.8 RLK23U1-6.0 mm²

22.8.1 Direct Connection

WEF - 6.0 mm²

Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4606	⇒ Fig. 24-197			○ RLS0721
RKL4607	⇒ Fig. 24-198			○ RLS0723
○ RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	○ RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	○ RLS0724 HCS03.1E-W0210	○ RLS0727 HCS04.1E-W0500 HMS01.1N-W0350
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		
HMD01.1N-W0012	HMD01.1N-W0020	HMS01.1N-W0110		
HMS01.1N-W0020	HMS01.1N-W0036	HMS01.1N-W0150		
HMS02.1N-F0070	HMS01.1N-W0020	HMS01.1N-W0210		
HMS02.1N-W0054	HMS01.1N-W0036	HMS02.1N-F0110		
	HMS02.1N-W0028			

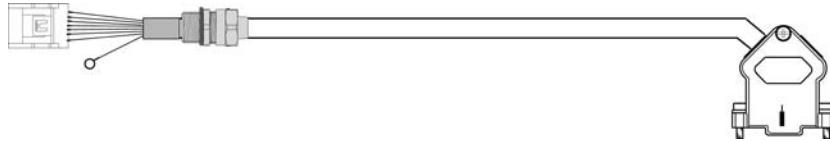
Fig.22-8: WEF - 6.0 mm²

23 Encoder Cables

23.1 Encoder ■ A ■ B ■ C ■ D ■ G ■ K ■ N ■ P

23.1.1 Direct Connection

INS0672 - INK0448 - INS0760



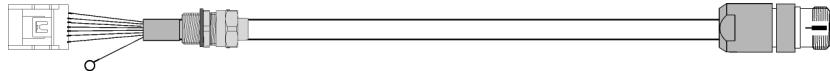
Ordering designation	Description / Encoder Type	Interconnection diagram	Connect on
RKG0020	Encoder cable MKE037, -047 Encoder type A, B, C, D	⇒ Fig. 24-26	IndraDrive ENS
RKG0022	Encoder cable MKE098, -0118 Encoder type A, B, C, D	⇒ Fig. 24-28	IndraDrive ENS
IKS0223	Encoder cable MKE037, -047, -098 Encoder type K, G, N, P	⇒ Fig. 24-3	IndraDrive EN1
IKS0226	Encoder cable MKE118 Encoder type K, G, N, P	⇒ Fig. 24-4	IndraDrive EN1

Fig.23-1: INS0672 - INK0448 - INS0760

Encoder Cables

23.1.2 Separable Connection**INS0672 - INK0448 - RGS1002**

Ordering designation	Description / Encoder Type	Interconnection diagram	Continuation
RKG0021	Encoder cable MKE037, -047 Encoder type A, B, C, D	⇒ Fig. 24-27	RKG4200 RGS1005 (Bulk head connector)
RKG0023	Encoder cable MKE098, -118 Encoder type A, B, C, D	⇒ Fig. 24-29	RKG4200 RGS1005 (Bulk head connector)

INS0672 - INK0448 - INS0716

Ordering designation	Description / Encoder Type	Interconnection diagram	Continuation
IKS0204	Encoder cable MKE037, -047, -098 Encoder type G, K, N, P	⇒ Fig. 24-1	IKS4042
IKS0227	Encoder cable MKE118 Encoder type G, K, N, P	⇒ Fig. 24-5	IKS4042

INS0672 - INK0448 - INS0717

Ordering designation	Description / Encoder Type	Interconnection diagram	Continuation
IKS0206	Encoder cable MKE037, -047, -098 Encoder type G, K, N, P	⇒ Fig. 24-2	INS0518 (Bulk head connector)
IKS0228	Encoder cable MKE118 Encoder type G, K, N, P	⇒ Fig. 24-6	INS0518 (Bulk head connector)

Ordering designation	Description / Encoder Type
RGS1005	Bulk head connector A, B, C, D



Bulk head connector
A, B, C, D

Encoder Cables

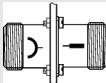
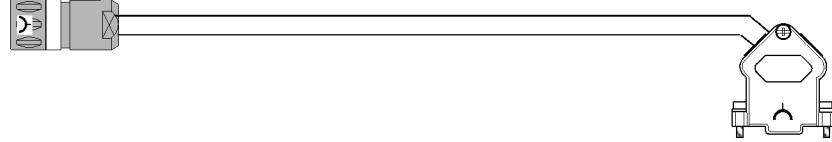
	
INS0518	Bulk head connector
	G, K, N, P

Fig.23-2: INS0672 - INK0448 - INSxxx/RGSxxx

23.2 Encoder ■ C0

23.2.1 Direct Connection

INS0379 - INK0280 - INS0761



Ordering designation	Description / Encoder Type	Interconnection diagram	Connect on
RKG0014	Encoder Cables Encoder Type C0	⇒ Fig. 24-24	IndraDrive EN2

Fig.23-3: INS0379 - INK0280 - INS0761

23.2.2 Separable Connection

INS0379 - INK0280 - INS0643



Ordering designation	Description / Encoder Type	Interconnection diagram	Continuation
RKG0028	Encoder Cables Encoder Type C0	⇒ Fig. 24-31	RKG0014

Fig.23-4: INS0379 - INK0280 - INS0643

Encoder Cables

23.3 Encoder MSM ■ M0 ■

INS075x Encoder cable IndraDrive Cs

Option	Ordering designation	Description	Interconnection diagram	Connection IndraDrive
A	RKG0033/xxx.x	Direct Connection	⇒ Fig. 24-36	IndraDrive Cs interface 1 or 2 "" EC"
B	RKG0034/xxx.x	Extension motor	⇒ Fig. 24-37	-
C	SUP-E01-MSM-BATTERY-BOX	Battery box	-	-

/xxx.x Specification of the length required (max. 75.0 m; smallest divisor 0.5 m)
Fig.23-5: Cable selection

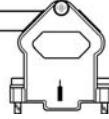
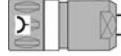
K1000215_en_fn11

Encoder Cables

23.4 Encoder ■ M0 ■ S0

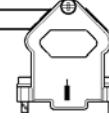
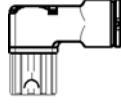
23.4.1 Direct Connection

INS0713 - INK0448 - INS0760



Ordering designation	Description / Encoder Type	Interconnection diagram	Connect on
IKS4042	Encoder Cables Encoder type M0, S0	⇒ Fig. 24-13	IndraDrive EN1

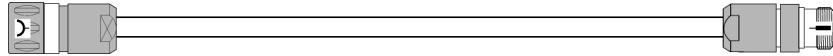
INS0511 - INK0448 - INS0760



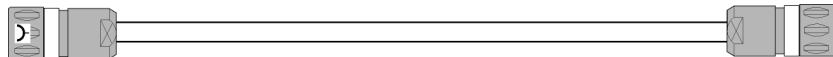
Ordering designation	Description / Encoder Type	Interconnection diagram	Connect on
IKS4044	Encoder Cables Encoder type M0, S0	⇒ Fig. 24-28	IndraDrive EN1

Fig.23-6: INSxxxx - INK0448 - INS076x

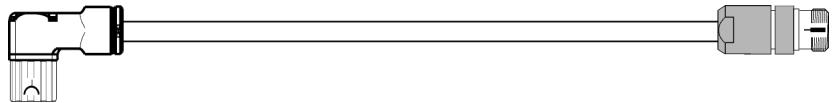
Encoder Cables

23.4.2 Separable Connection**INS0713 - INK0448 - INS0716**

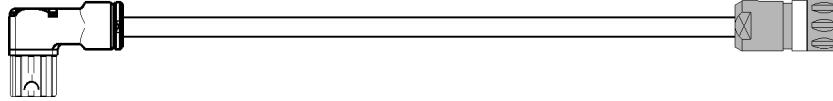
Ordering designation	Description / Encoder Type	Interconnection diagram	Continuation
IKS4376	Encoder Cables Encoder type M0, S0	⇒ Fig. 24-19	IKS4042

INS0713 - INK0448 - INS0717

Ordering designation	Description / Encoder Type	Interconnection diagram	Continuation
IKS4065	Encoder Cables Encoder type M0, S0	⇒ Fig. 24-15	INS0518 (Bulk head connector)

INS0511 - INK0448 - INS0716

Ordering designation	Description / Encoder Type	Interconnection diagram	Continuation
IKS4377	Encoder Cables Encoder type M0, S0	⇒ Fig. 24-20	IKS4042

INS0511 - INK0448 - INS0717

Ordering designation	Description / Encoder Type	Interconnection diagram	Continuation
IKS4066	Encoder Cables Encoder type M0, S0	⇒ Fig. 24-16	INS0518 (Bulk head connector)

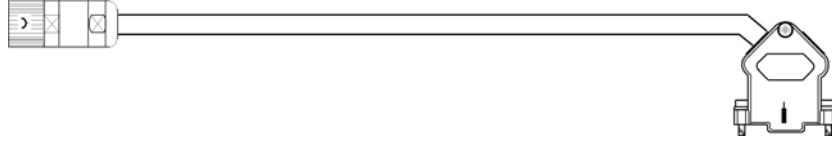
Ordering designation	Description
INS0518	Bulk head connector

Fig.23-7: INSxxxx - INK0448 - INS071x

23.5 Encoder ■ M1 ■ M2 ■ M6 ■ S1 ■ S2 ■ S6

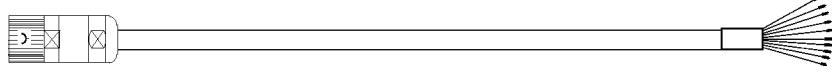
23.5.1 Direct Connection

RGS1001 - INK0448 - INS0760



Ordering designation	Description / Encoder Type	Interconnection diagram	Connect on
	Encoder Cables		
RKG4200	Encoder type M1, M2, M6, S1, S2, Fig. 24-39 S6		IndraDrive ENS

RGS1001 - INK0448 - WEF



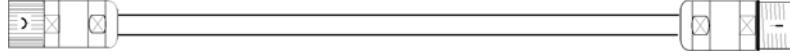
Ordering designation	Description / Encoder Type	Interconnection diagram	Connect on
	Encoder Cables		
RKG4202	Encoder type M1, M2, M6, S1, S2, Fig. 24-41 S6		Terminal strip

Fig.23-8: RGS1001 - INK0448 - INS0760/WEF

Encoder Cables

23.5.2 Separable Connection

RGS1001 - INK0448 - RGS1002



Ordering designation	Description / Encoder Type	Interconnection diagram	Continuation
RKG4201	Encoder Cables Encoder type M1, M2, M6, S1, S2, S6	⇒ Fig. 24-40	RKG4200 RGS1005 (Bulk head connector)
Ordering designation Description			
RGS1005	Bulk head connector		

Fig.23-9: RGS10xx - INK0448 - RGS10xx

Encoder Cables

24 Connection Cables

24.1 Encoder Cables

24.1.1 IKSxxxx

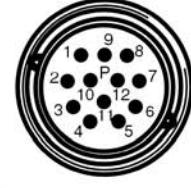
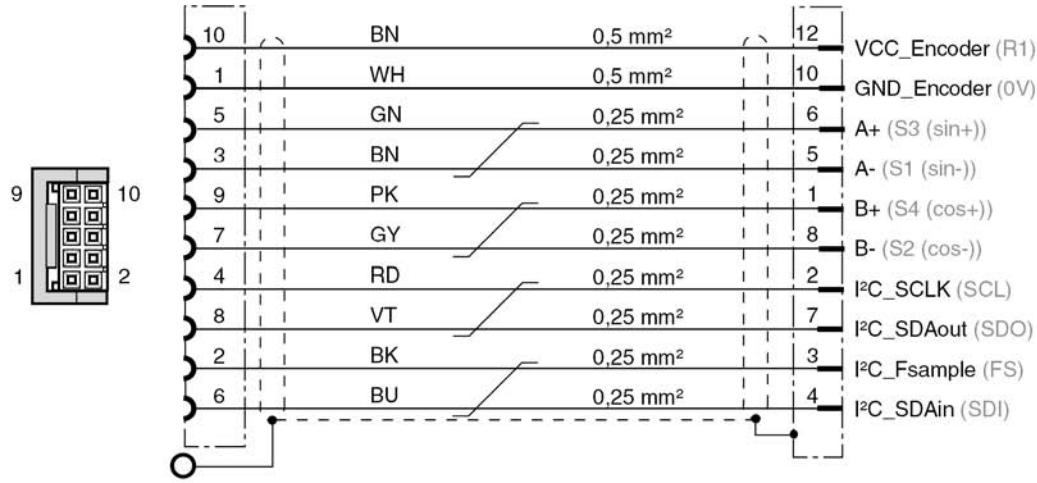
IKS02xx

IKS0204

IKS0204

Encoder connector	Bulk cable	Plug-in connector for controller
INS0672/C01	INK0448	INS0716/C01

Interconnection diagram



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Fig.24-1: Parts IKS0204

Connection Cables

IKS0206

IKS0206

Encoder connector

INS0672/C01

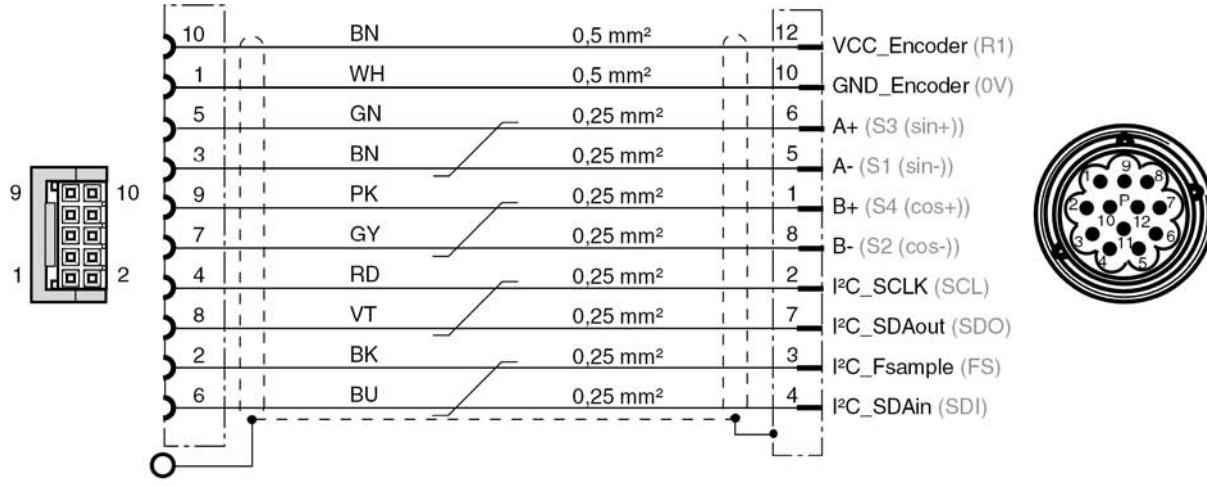
Bulk cable

INK0448

Plug-in connector
for controller

INS0717/C01

Interconnection diagram



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Fig.24-2: Parts IKS0206

Connection Cables

IKS0223

IKS0223

Encoder connec-
tor

INS0672/C01

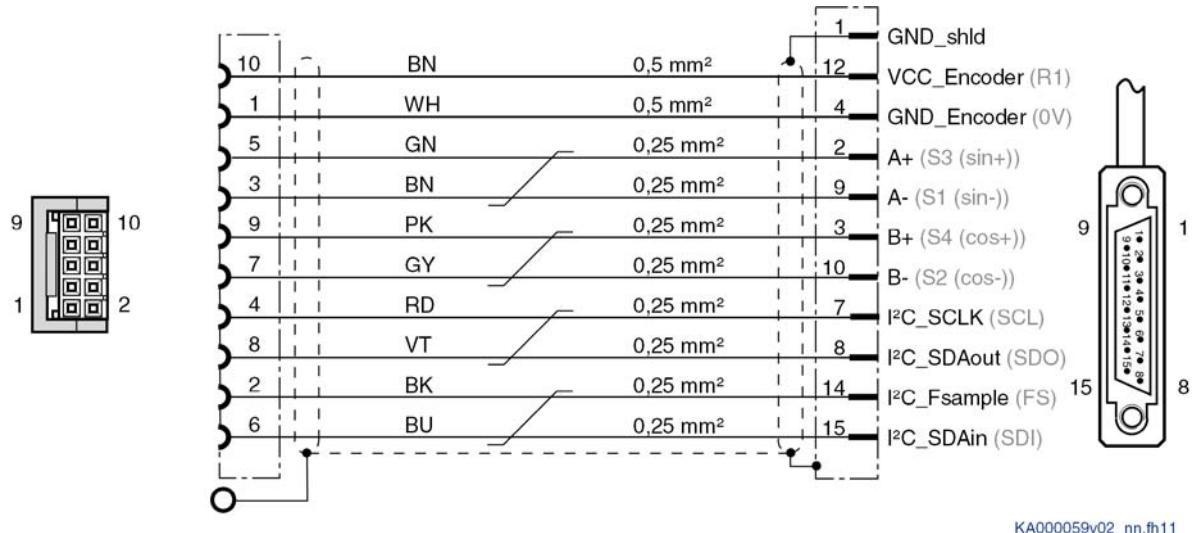
Bulk cable

INK0448

Plug-in connector
for controller

INS0760/C01

Interconnection diagram



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Fig.24-3: Parts KS0223

Connection Cables

IKS0226

IKS0226

Encoder connector

INS0672/C01

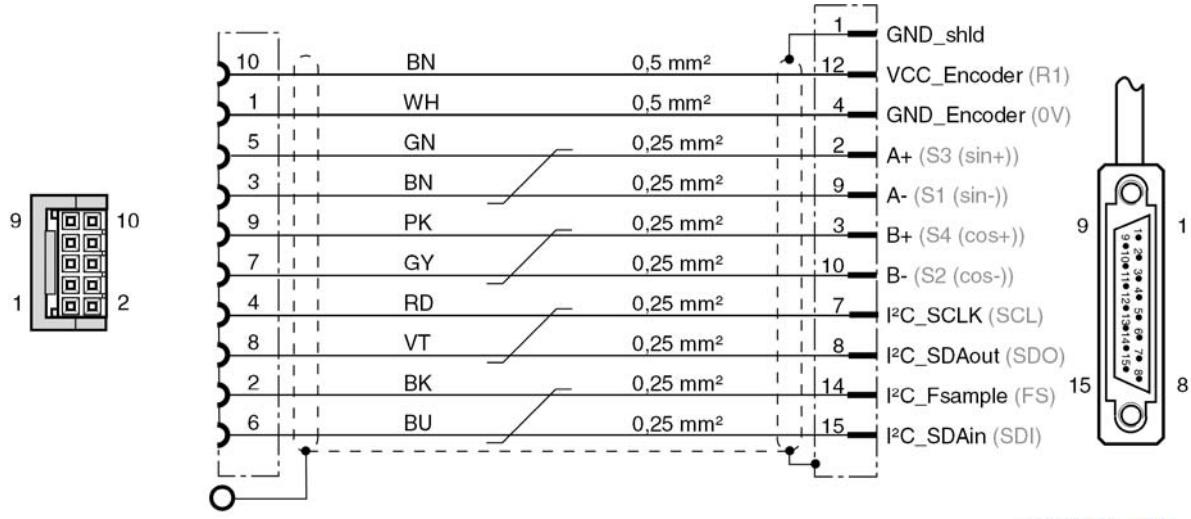
Bulk cable

INK0448

Plug-in connector
for controller

INS0760/C01

Interconnection diagram



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Fig.24-4: Parts IKS0226

Connection Cables

IKS0227

IKS0227

Encoder connec-
tor

INS0672/C01

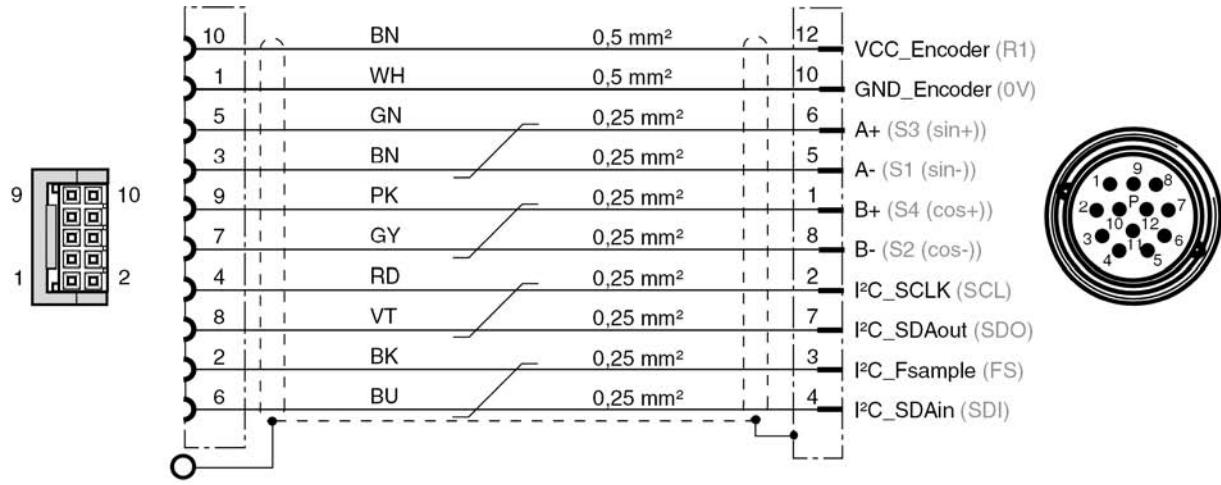
Bulk cable

INK0448

Plug-in connector
for controller

INS0716/C01

Interconnection diagram



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Fig.24-5: Parts IKS0227

Connection Cables

IKS0228**IKS0228**

Encoder connector

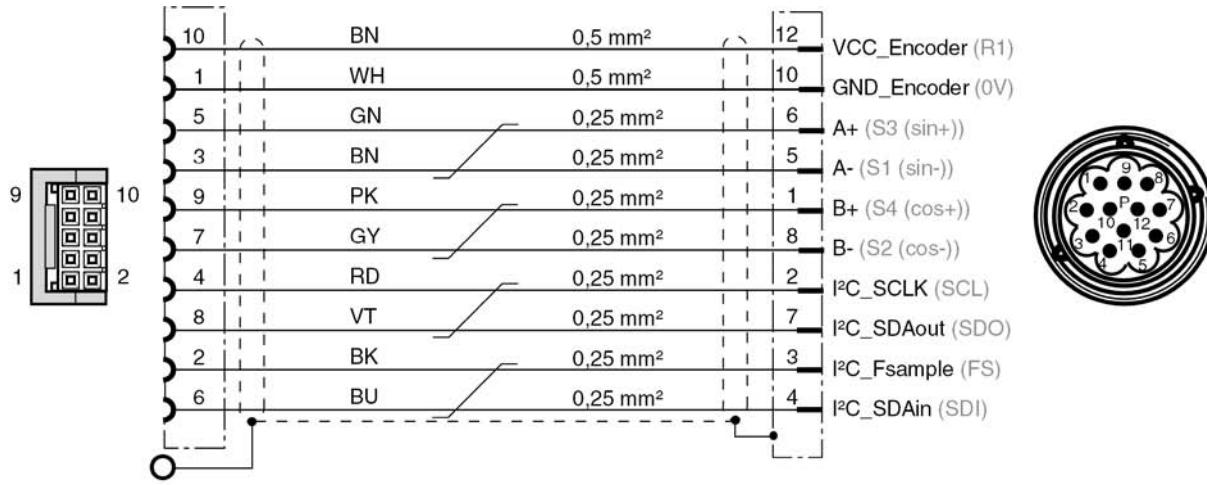
INS0672/C01

Bulk cable

INK0448

Plug-in connector for controller

INS0717/C01

Interconnection diagram

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Fig.24-6: Parts IKS0228

Connection Cables

IKS40xx

IKS4007

IKS4007

Encoder connec-
tor

INS0493/C01

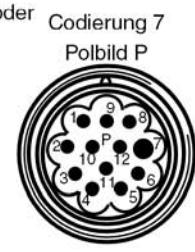
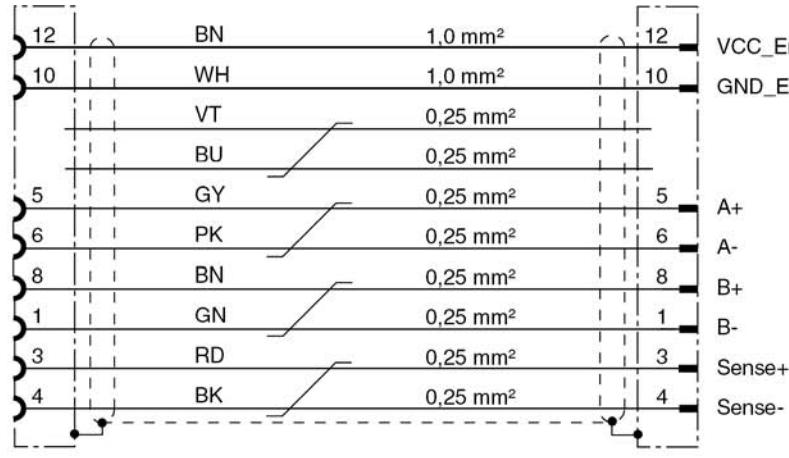
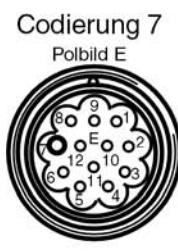
Bulk cable

INK0209

Plug-in connector
for controller

INS0495/C01

Interconnection diagram



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Fig.24-7: Parts IKS4007

Connection Cables

IKS4009**IKS4009**

Encoder connector

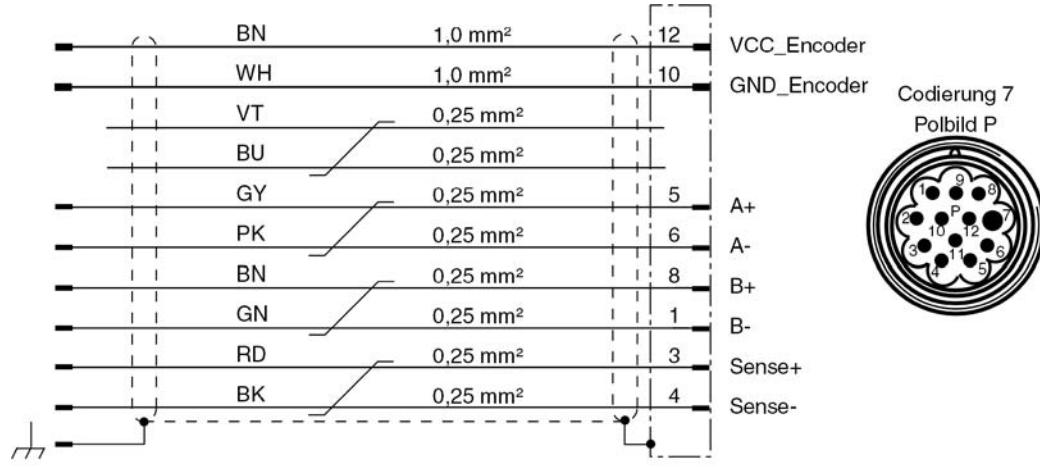
WEF

Bulk cable

INK0209

Plug-in connector for controller

INS0495/C01

Interconnection diagram

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Fig.24-8: Parts IKS4009

Connection Cables

IKS4012

IKS4012

Encoder connector

INS0379/C01

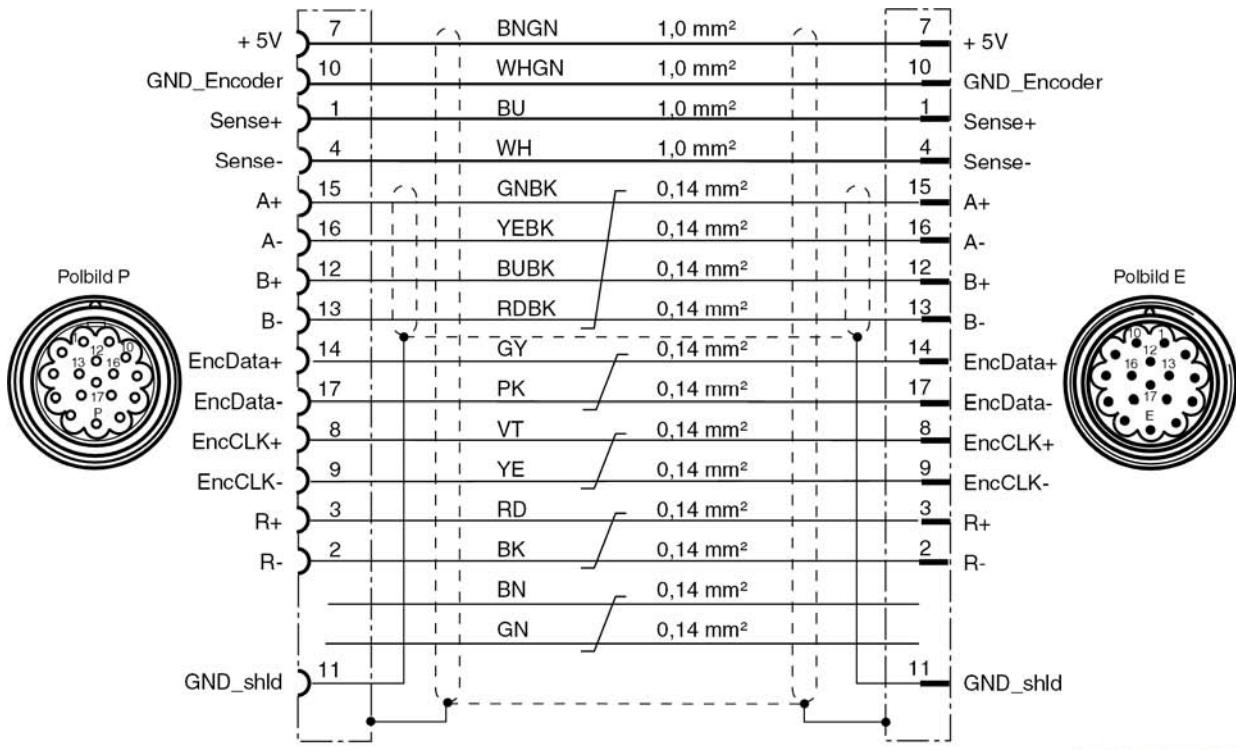
Bulk cable

INK0532

Plug-in connector for controller

INS0649/C01

Interconnection diagram



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Fig.24-9: Parts IKS4012

Connection Cables

IKS4038**IKS4038**Encoder Connec-
tion

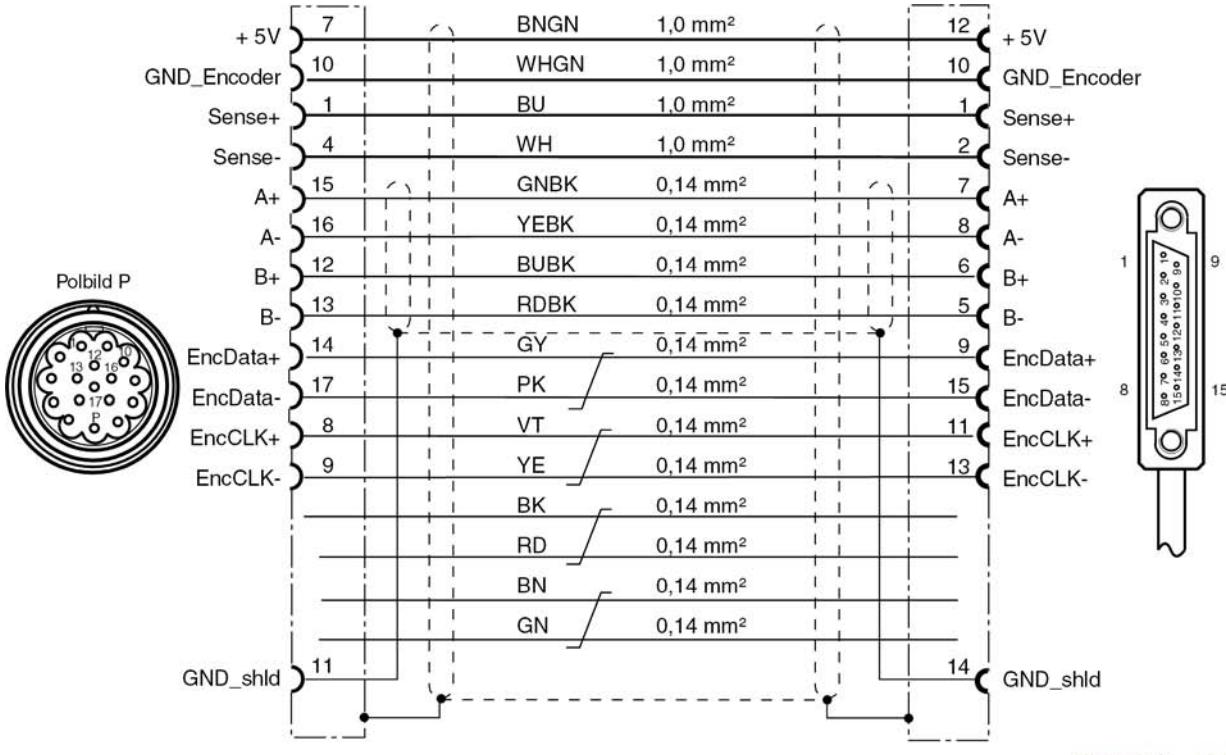
INS0379/C01

Bulk cable

INK0532

**Plug-in connector
for controller**

INS0761/L01

Interconnection diagram

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Fig.24-10: Parts IKS4038

Connection Cables

IKS4039

IKS4039

Encoder connec-
tor

INS0493/C01

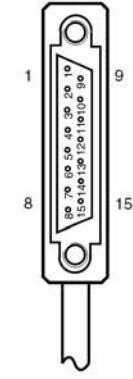
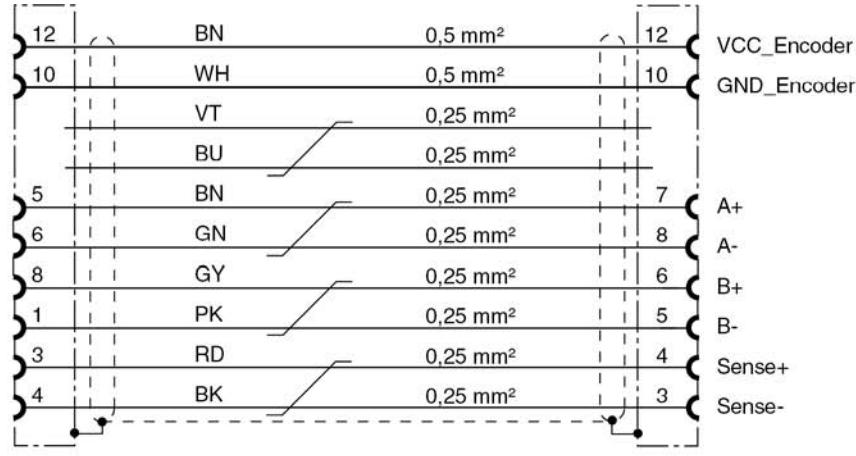
Bulk cable

INK0448

Plug-in connector
for controller

INS0761/L01

Interconnection diagram



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Fig.24-11: Parts IKS4039

Connection Cables

IKS4040**IKS4040**

Encoder connector

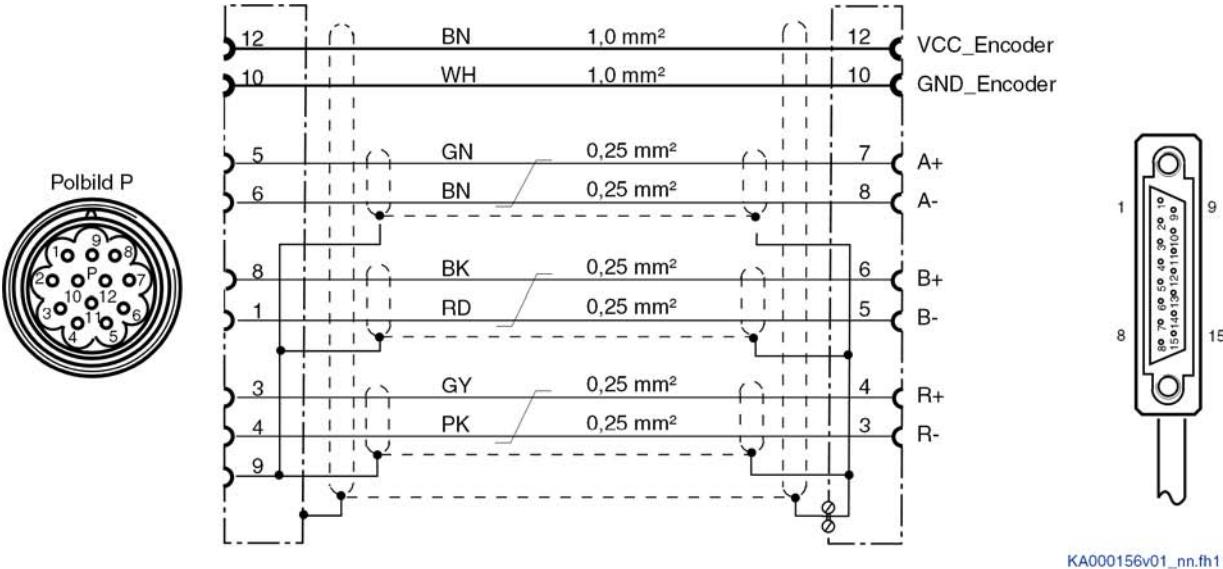
INS0451/C01

Bulk cable

INK0720

Plug-in connector for controller

INS0761/L01

Interconnection diagram

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Fig.24-12: Parts IKS4040

Connection Cables

IKS4042

IKS4042

Encoder connec-
tor

INS0713/C01

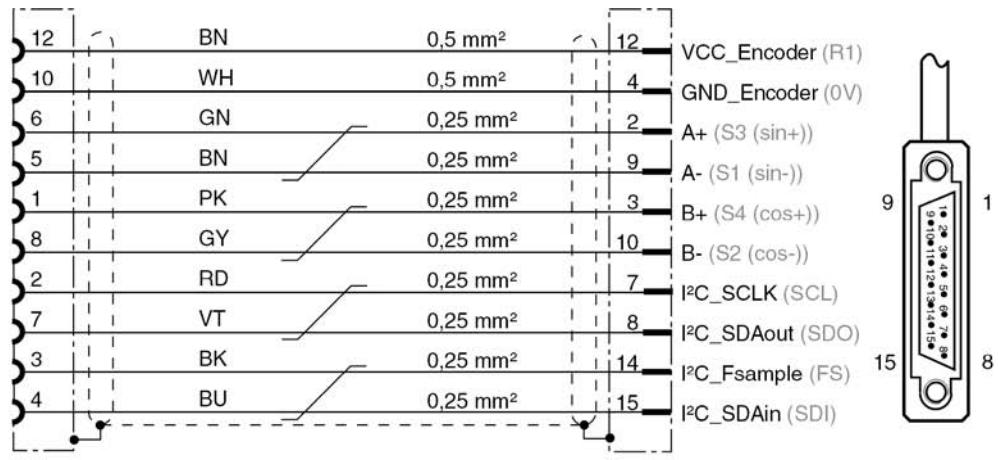
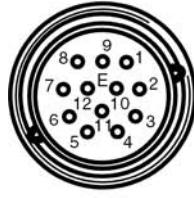
Bulk cable

INK0448

Plug-in connector
for controller

INS0760/C01

Interconnection diagram



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Fig.24-13: Parts IKS4042

Connection Cables

IKS4044**IKS4044**

Encoder connector

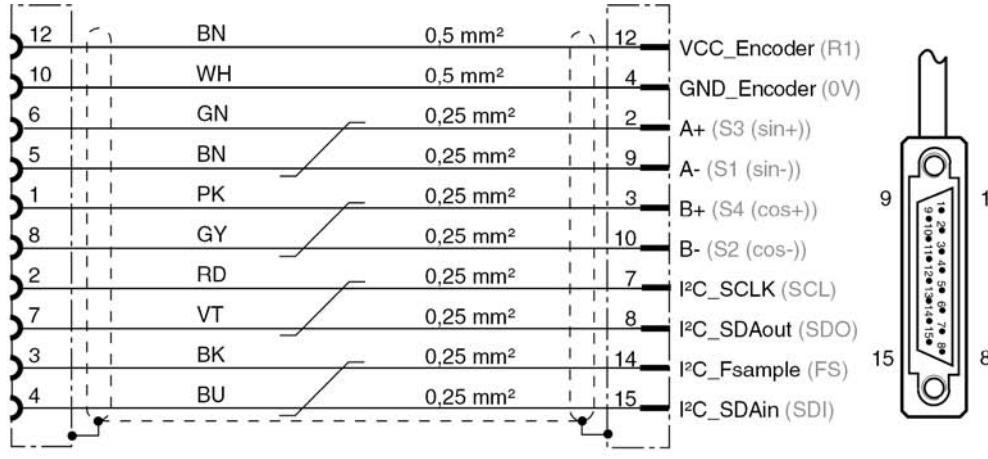
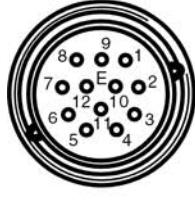
INS0511/C01

Bulk cable

INK0448

Plug-in connector
for controller

INS0760/C01

Interconnection diagram

KA000062v02_nn.fh11

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Fig.24-14: Parts IKS4044

Connection Cables

IKS4065

IKS4065

Encoder connec-
tor

INS0713/C01

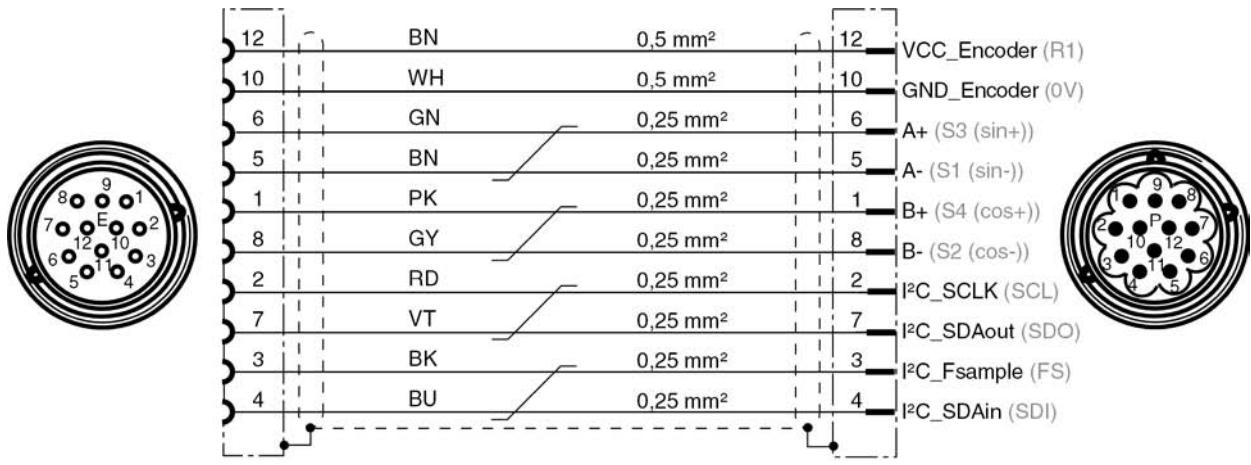
Bulk cable

INK0448

**Plug-in connector
for controller**

INS0717/C01

Interconnection diagram



KA000064v02_nn.fh11

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Fig.24-15: Parts IKS4065

Connection Cables

IKS4066**IKS4066**

Encoder connector

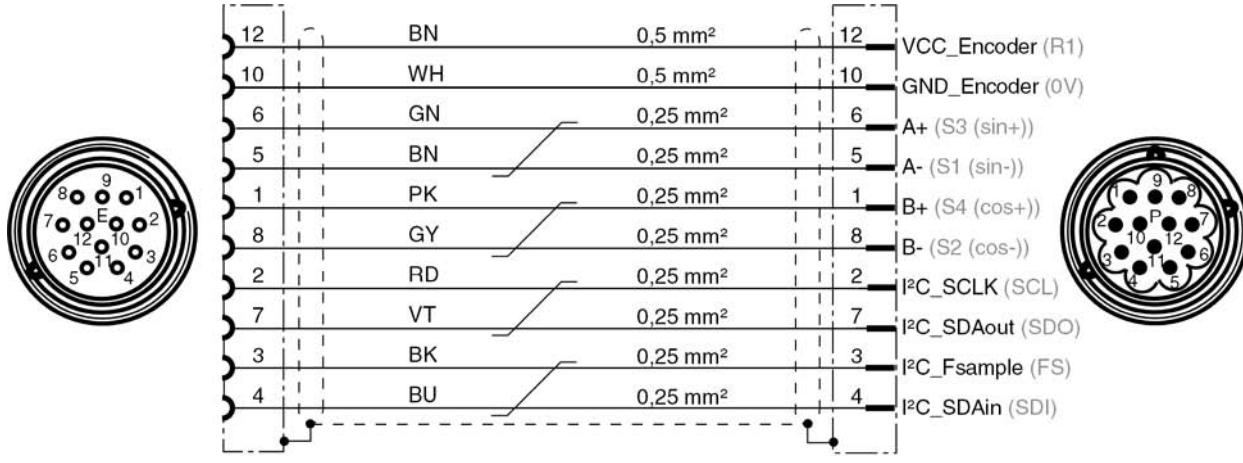
INS0511/C01

Bulk cable

INK0448

Plug-in connector for controller

INS0717/C01

Interconnection diagram

KA000064v02_nn.fh11

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Fig.24-16: Parts IKS4066

Connection Cables

IKS41xx

IKS4191

IKS4191

Encoder connector

Bulk cable

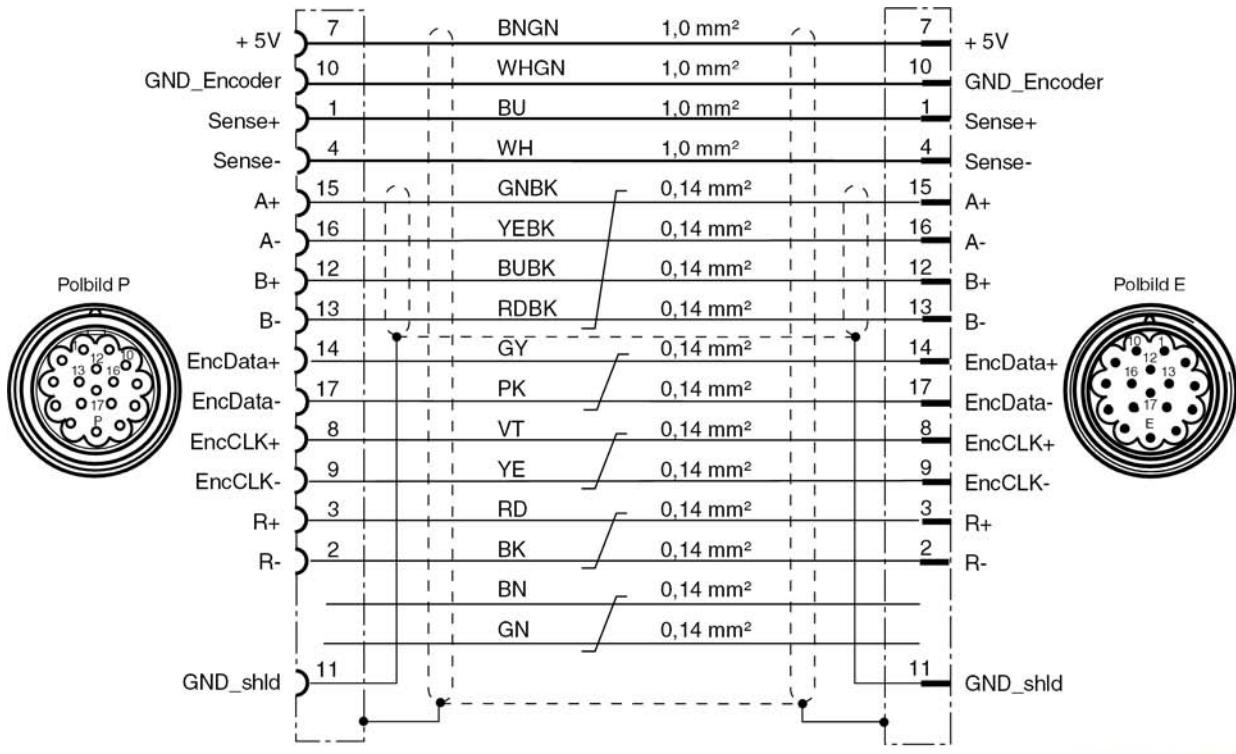
Plug-in connector for controller

INS0379/C01

INK0532

INS0643/C01

Interconnection diagram



KA000160v01_nn.fh11

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Fig.24-17: Parts IKS4191

Connection Cables

IKS43xx**IKS4374****IKS4374**

Encoder Connec-
tion

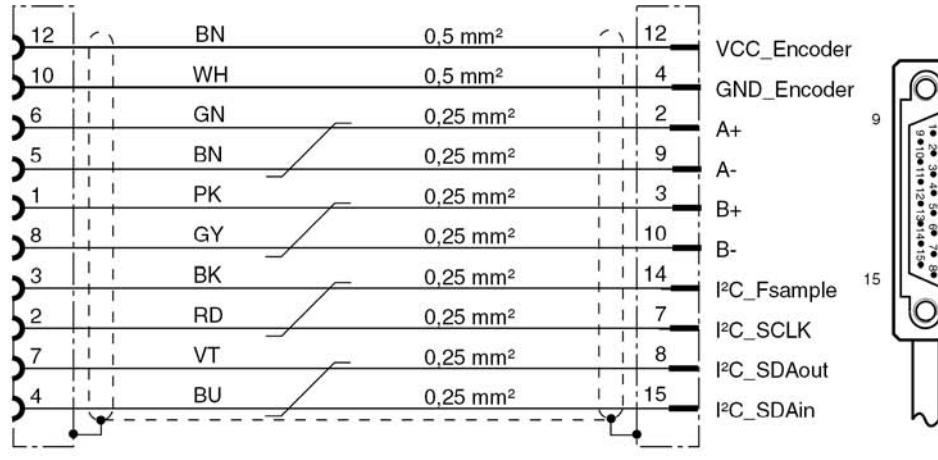
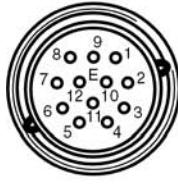
INS0713/C01

Bulk cable

INK0448

Plug-in connector
for controller

INS0760/C01

Interconnection diagram

KA000140v01_nn.fh11

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Fig.24-18: Parts IKS4374

Connection Cables

IKS4376

IKS4376

Encoder connec-
tor

INS0713/C01

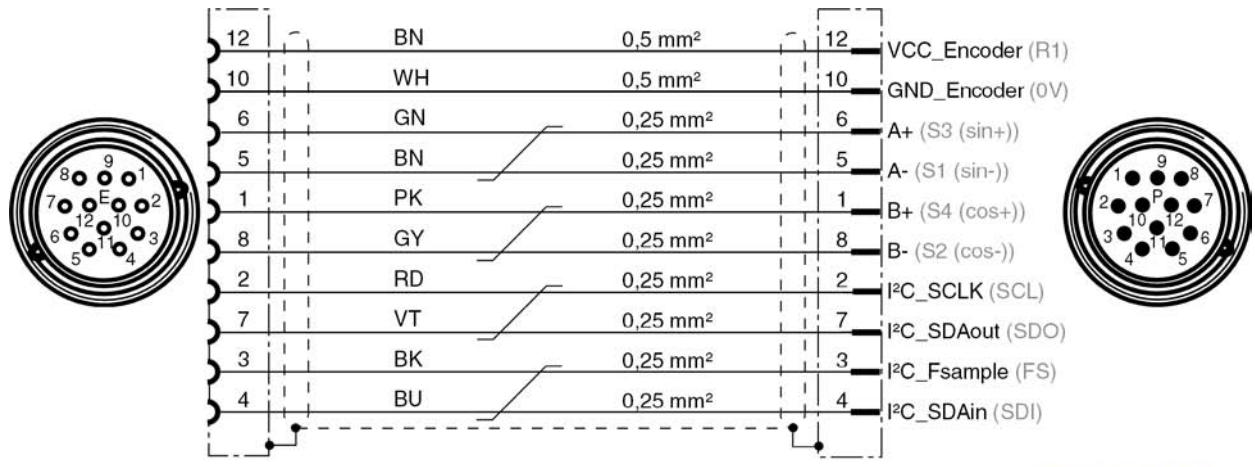
Bulk cable

INK0448

Plug-in connector
for controller

INS0716/C01

Interconnection diagram



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Fig.24-19: Parts IKS4376

Connection Cables

IKS4377**IKS4377**

Encoder connector

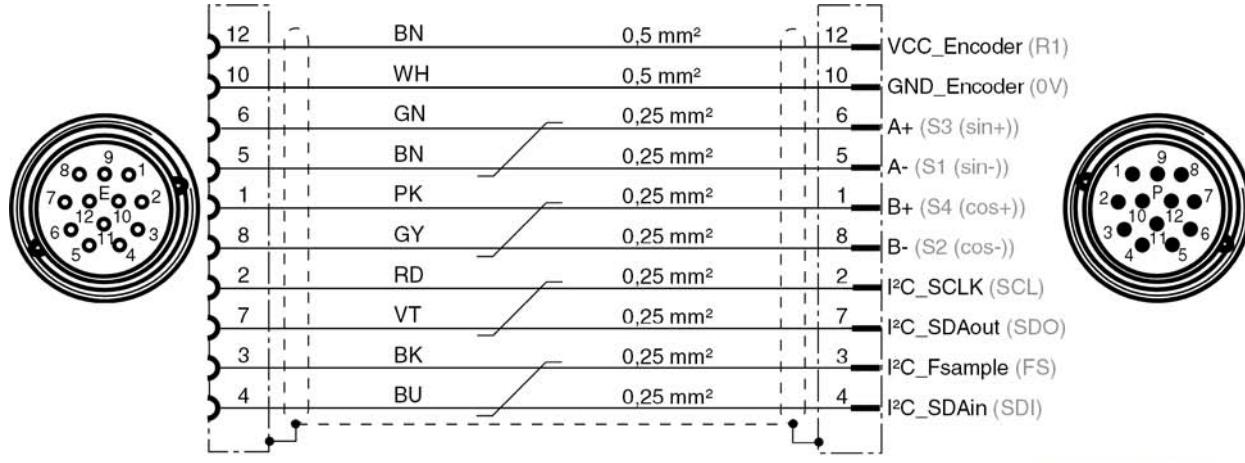
INS0511/C01

Bulk cable

INK0448

Plug-in connector for controller

INS0716/C01

Interconnection diagram

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Fig.24-20: Parts IKS4377

Connection Cables

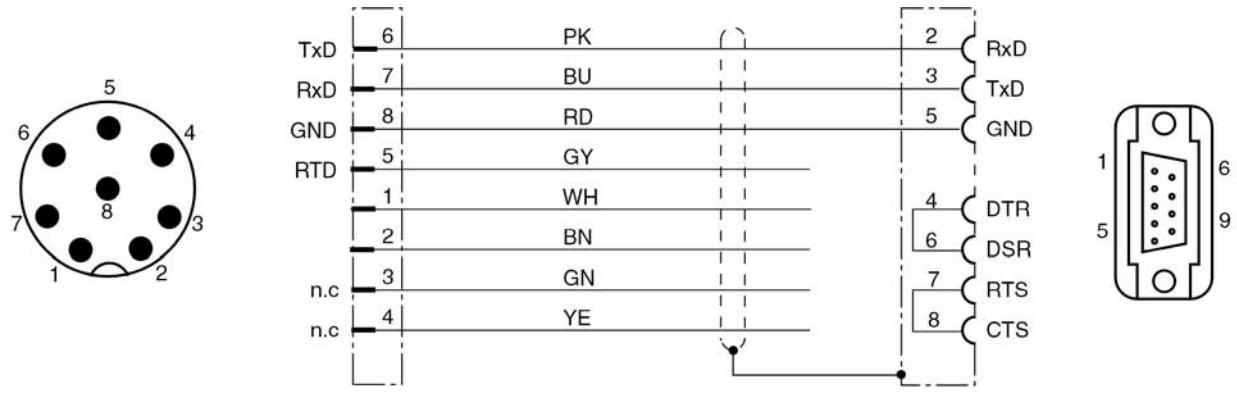
24.1.2 RKBxxxx

RKB00xx

RKB0006

RKB0006		
Plug-in connector bus	Bulk cable	Plug-in connector PC
M12, 8-pin	Bus cable	INS0457/L01

Interconnection diagram



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Fig.24-21: Parts RKB0006

Connection Cables

24.1.3 RKGxxxx**RKG00xx****RKG0001****RKG0001**

Encoder connector

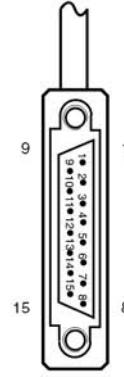
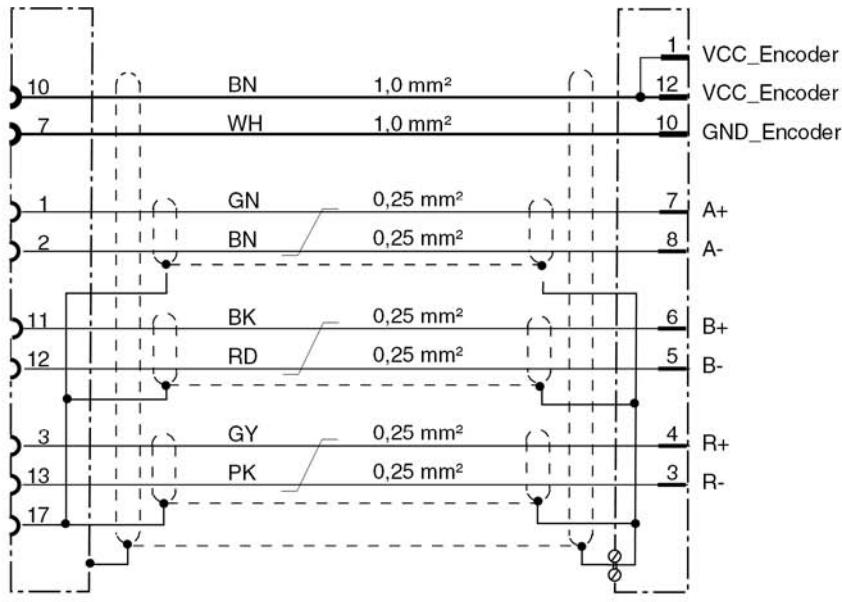
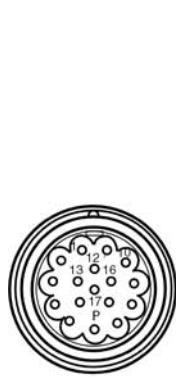
INS0379/C01

Bulk cable

INK0720

Plug-in connector
for controller

INS0760/L01

Interconnection diagram

KA000025v02_nn.fh11

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Fig.24-22: Parts RKG0001

Connection Cables

RKG0008

RKG0008

Encoder Connec-
tion

WEF0008

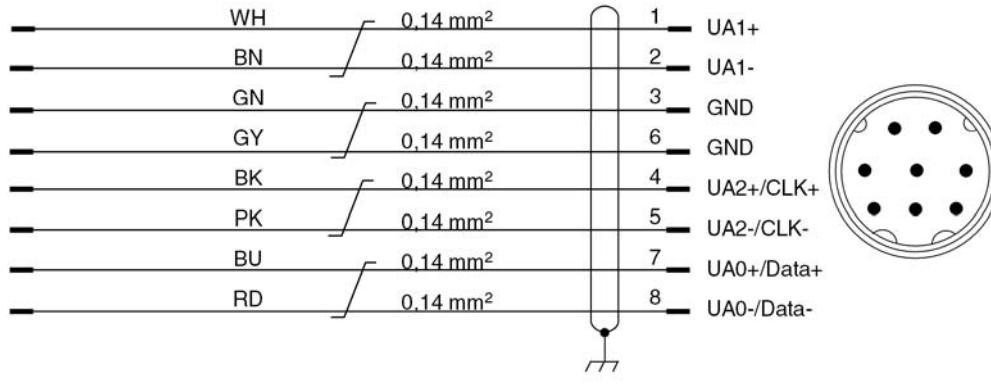
Bulk cable

(4x2x0.14)² C

Plug-in connector
for controller

RGS0001/L01*)

Interconnection diagram



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*) cannot be ordered separately
Fig.24-23: Parts RKG0008

Connection Cables

RKG0014**RKG0014**

Encoder connector

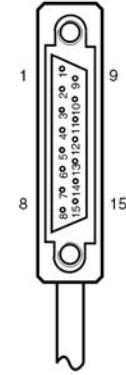
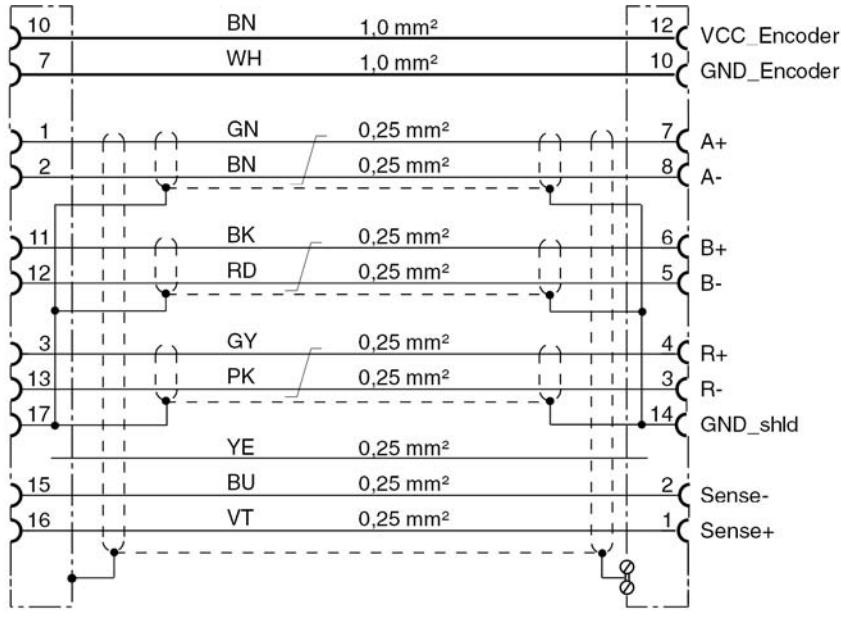
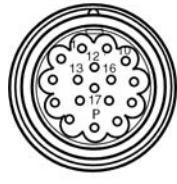
INS0379/C01

Bulk cable

INK0280

Plug-in connector for controller

INS0761/L01

Interconnection diagram

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Fig.24-24: Parts RKG0014

RKG0015

RKG0015

Encoder connec-
tor

INS0379/C01

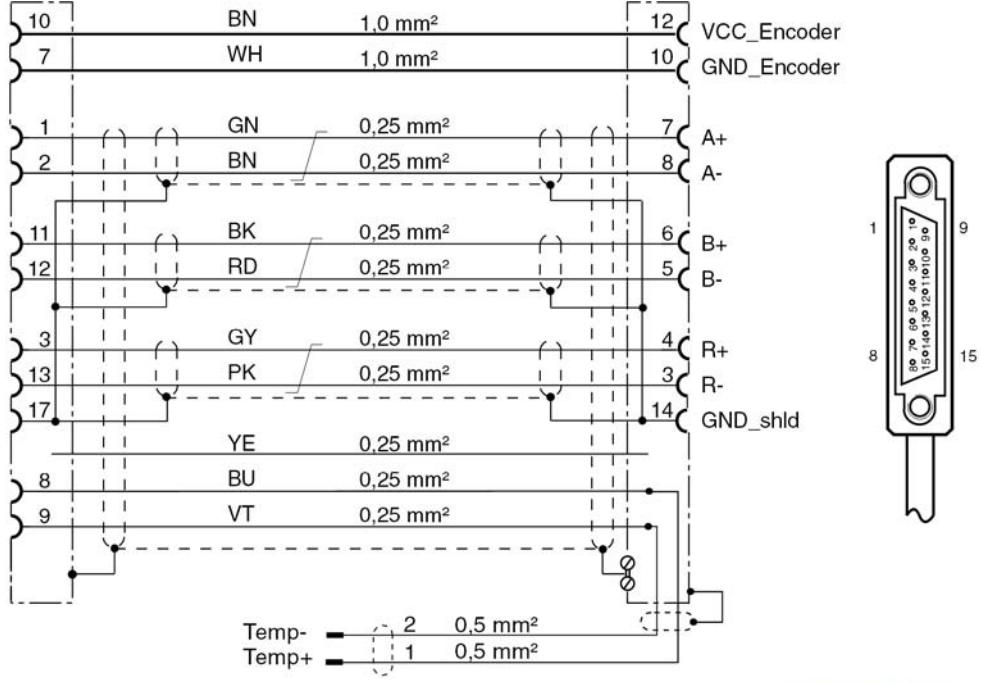
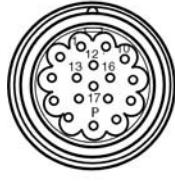
Bulk cable

INK0280

Plug-in connector
for controller

INS0761/L01

Interconnection diagram



KA000041v02_nn.fh11

Use:

- Connection Rexroth ServoDyn D SF with singleturn encoder STG or with multturn encoder MTG on optional module IndraDrive EN2
- Connection of 3rd-Party-Motors

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Fig.24-25: Parts RKG0015

Connection Cables

RKG0020**RKG0020**

**Plug-in connector
for encoder**

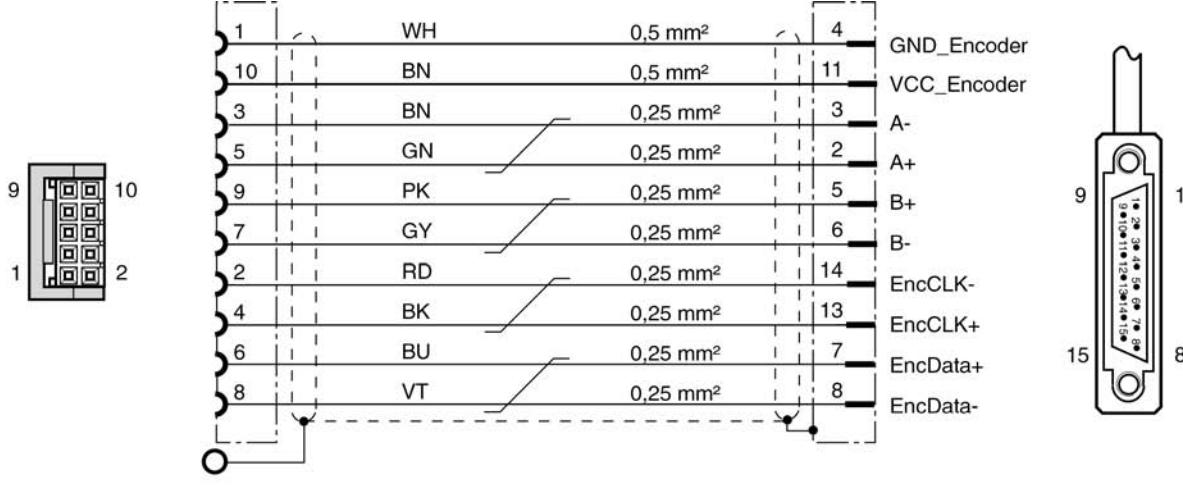
INS0672/C01

Bulk cable

INK0448

**Plug-in connector
for controller**

INS0760/C01

Interconnection diagram

KA000057v01_nn.fh11

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Fig.24-26: Parts RKG0020

Connection Cables

RKG0021

RKG0021

Plug-in connector
for encoder

INS0672/C01

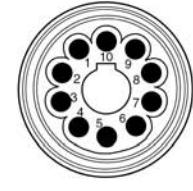
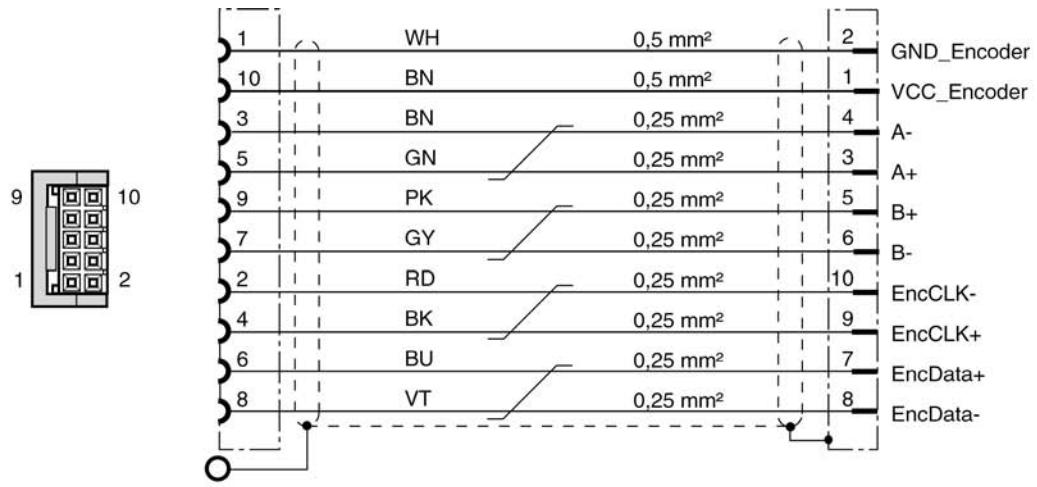
Bulk cable

INK0448

Plug-in connector
for controller

RGS1002/C01

Interconnection diagram



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Fig.24-27: Parts RKG0021

Connection Cables

RKG0022**RKG0022**

**Plug-in connector
for encoder**

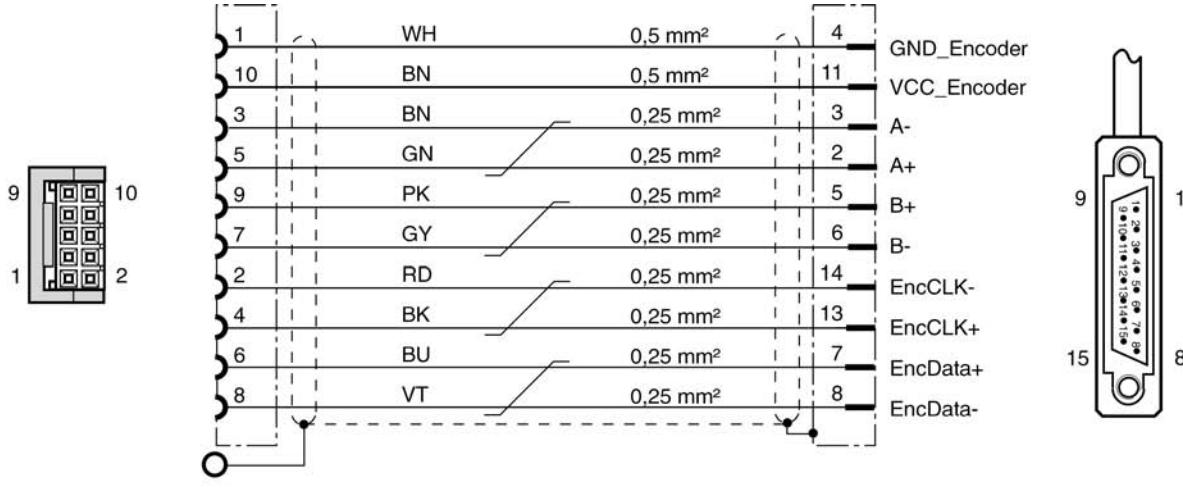
INS0672/C01

Bulk cable

INK0448

**Plug-in connector
for controller**

INS0760/C01

Interconnection diagram

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Fig.24-28: Parts RKG0022

Connection Cables

RKG0023

RKG0023

Plug-in connector
for encoder

INS0672/C01

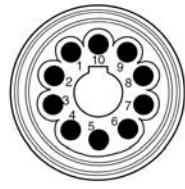
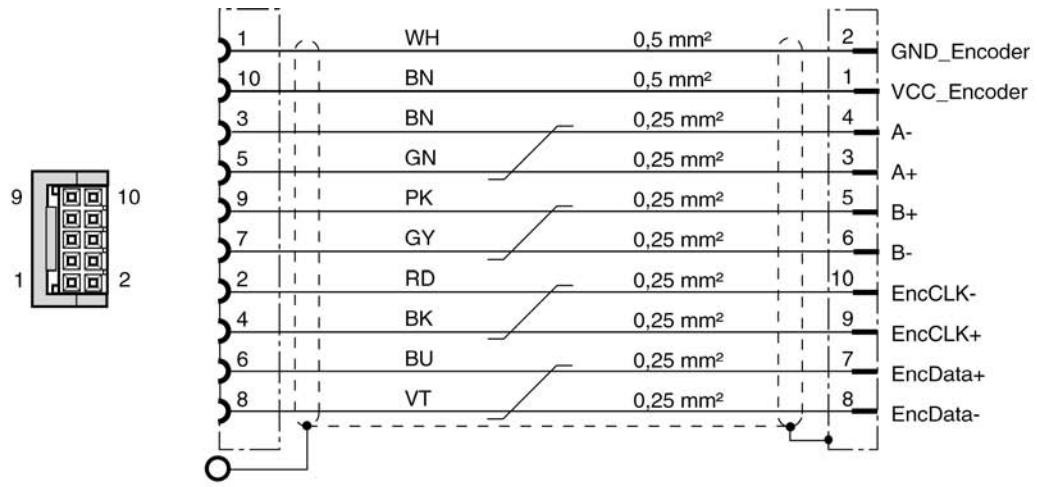
Bulk cable

INK0448

Plug-in connector
for controller

RGS1002/C01

Interconnection diagram



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Fig.24-29: Parts RKG0023

Connection Cables

RKG0027**RKG0027**

Encoder connector

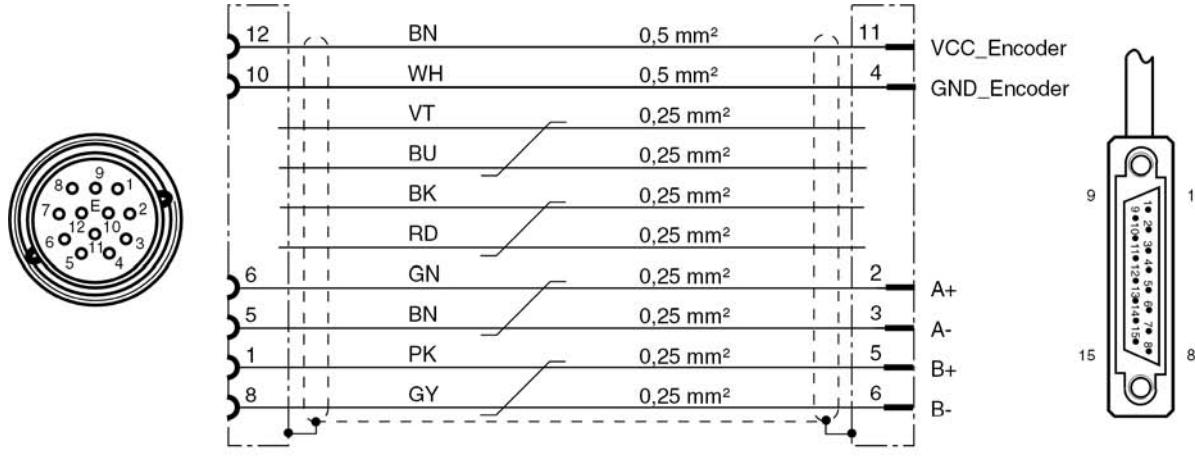
INS0713/C01

Bulk cable

INK0448

Plug-in connector for controller

INS0760/C01

Interconnection diagram

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Fig.24-30: Parts RKG0027

Connection Cables

RKG0028

RKG0028

Encoder connec-
tor

INS0379/C01

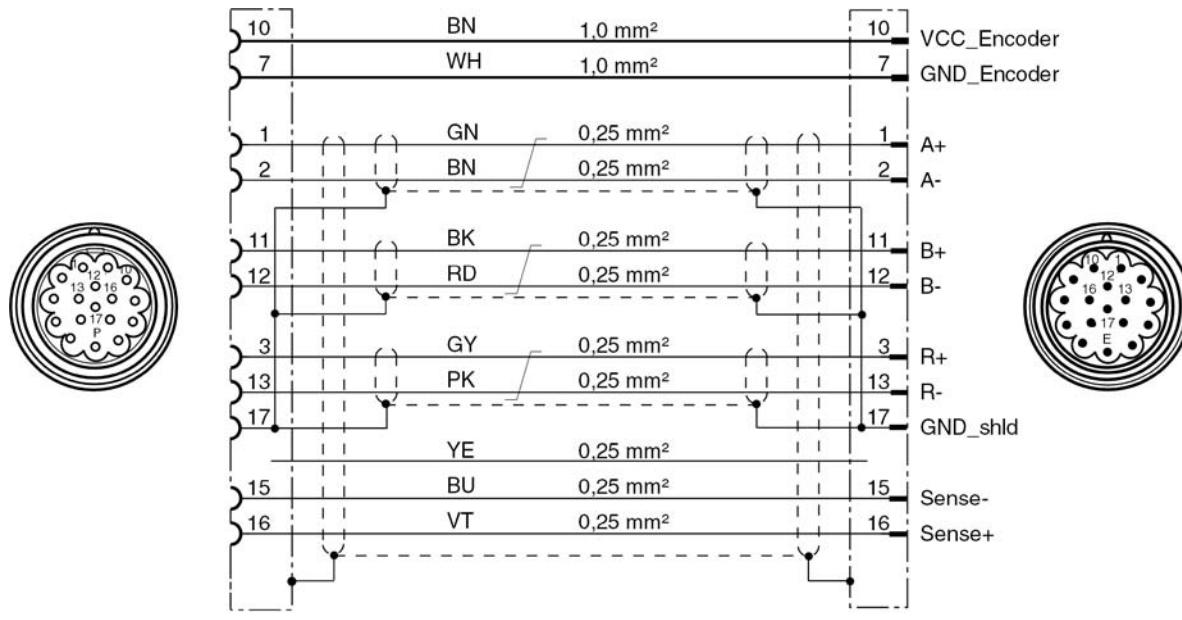
Bulk cable

INK0280

**Plug-in connector
for controller**

INS0643/C01

Interconnection diagram



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Fig.24-31: Parts RKG0028

Connection Cables

RKG0029**RKG0029**

Encoder connector

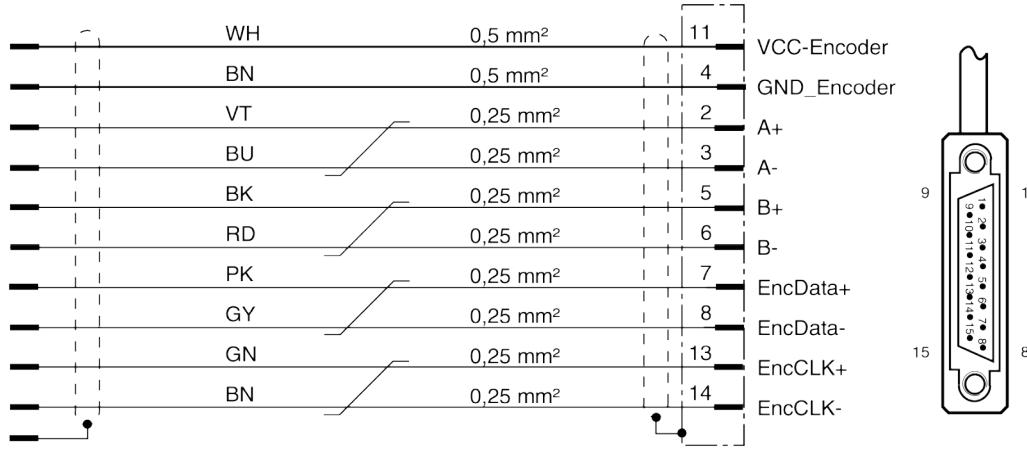
WEF

Bulk cable

INK0448

Plug-in connector for controller

INS0760/C01

Interconnection diagram

KA000102v01_nn.fh11

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Fig.24-32: Parts RKG0029

Connection Cables

RKG0030

RKG0030

Encoder connec-
tor

WEF

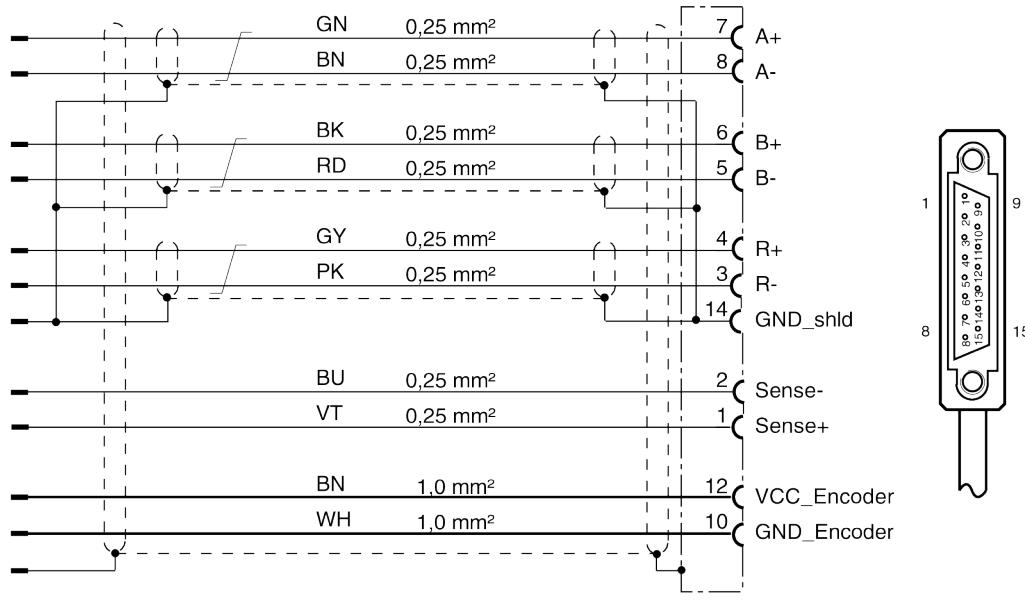
Bulk cable

INK0280

**Plug-in connector
for controller**

INS0761/L01

Interconnection diagram



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Fig.24-33: Parts RKG0030

Connection Cables

RKG0031

RKG0031

Encoder connector

INS0451/C01

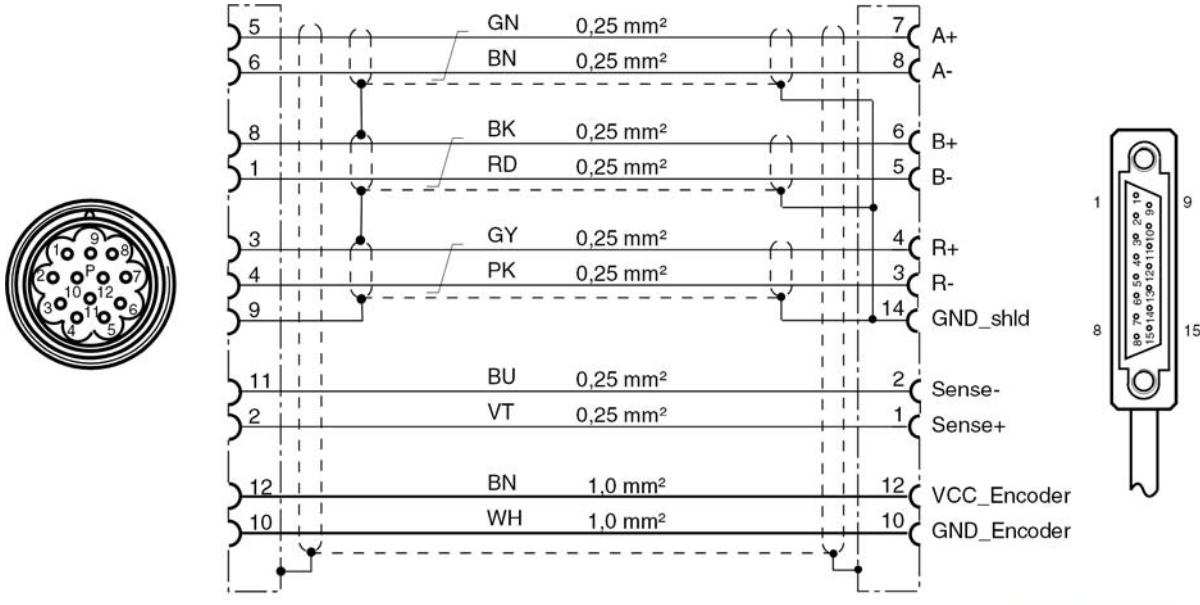
Bulk cable

INK0280

Plug-in connector
for controller

INS0761/L01

Interconnection diagram



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Fig.24-34: Parts RKG0031

Connection Cables

RKG0032

RKG0032

Encoder connec-
tor

INS0639/C01

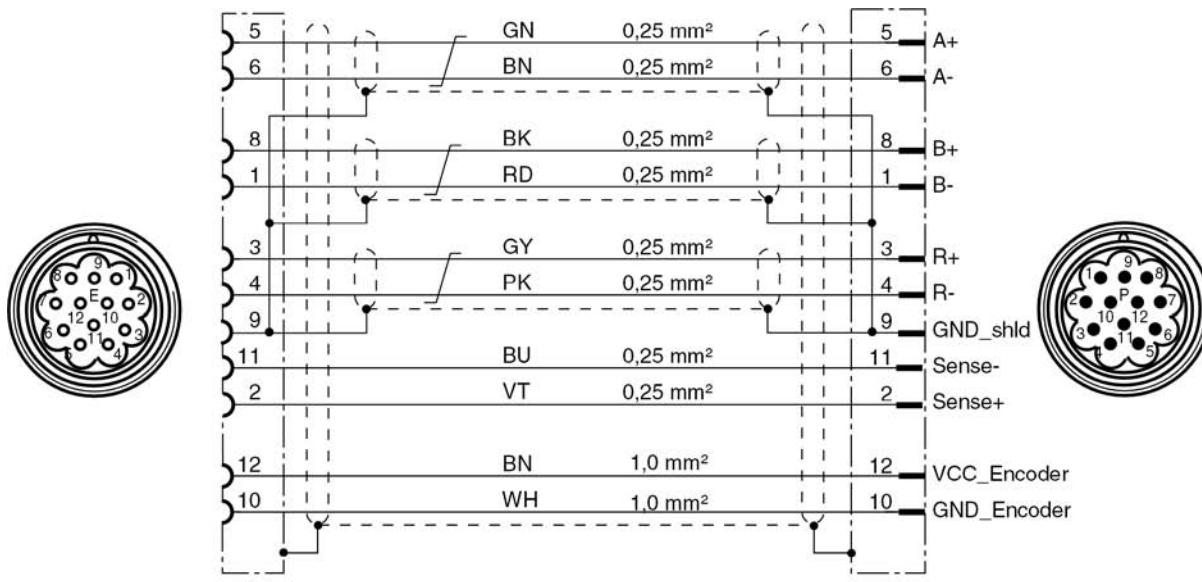
Bulk cable

INK0280

**Plug-in connector
for controller**

INS0496/C01

Interconnection diagram



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Fig.24-35: Parts RKG0032

Connection Cables

RKG0033**RKG0033**

**Plug-in connector
for encoder**

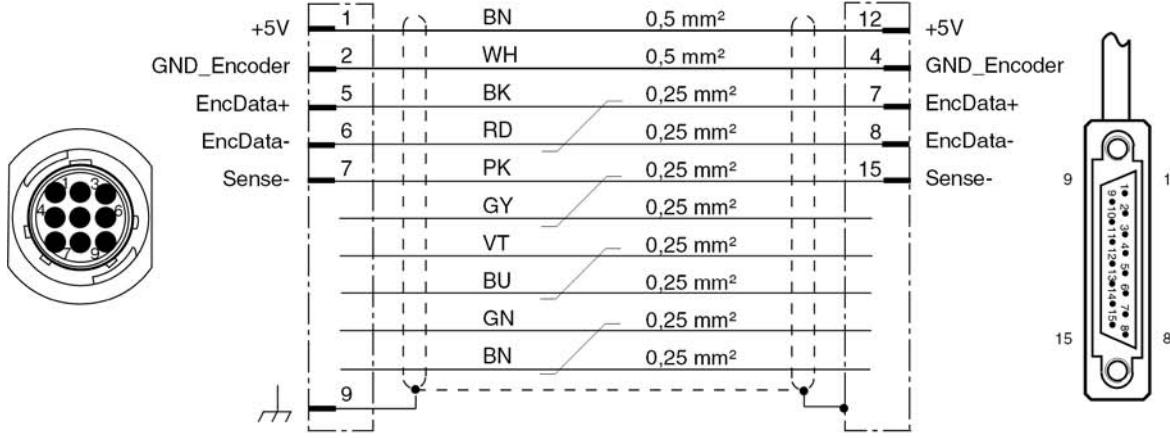
INS0753/C01

Bulk cable

INK0448

**Plug-in connector
for controller**

INS0760/C01

Interconnection diagram

KA000150v01_nn.fh11

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Fig.24-36: Parts RKG0033

Connection Cables

RKG0034

RKG0034

Encoder connec-
tor

INS0753/C01

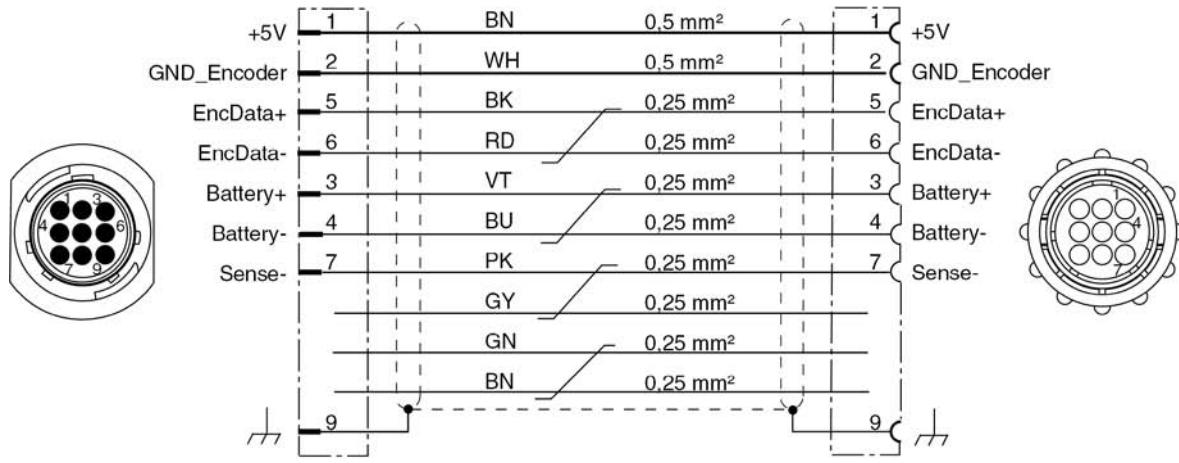
Bulk cable

INK0448

Plug-in connector
for controller

INS0758/C01

Interconnection diagram



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Fig.24-37: Parts RKG0034

Connection Cables

RKG0037**RKG0037**

Encoder connector

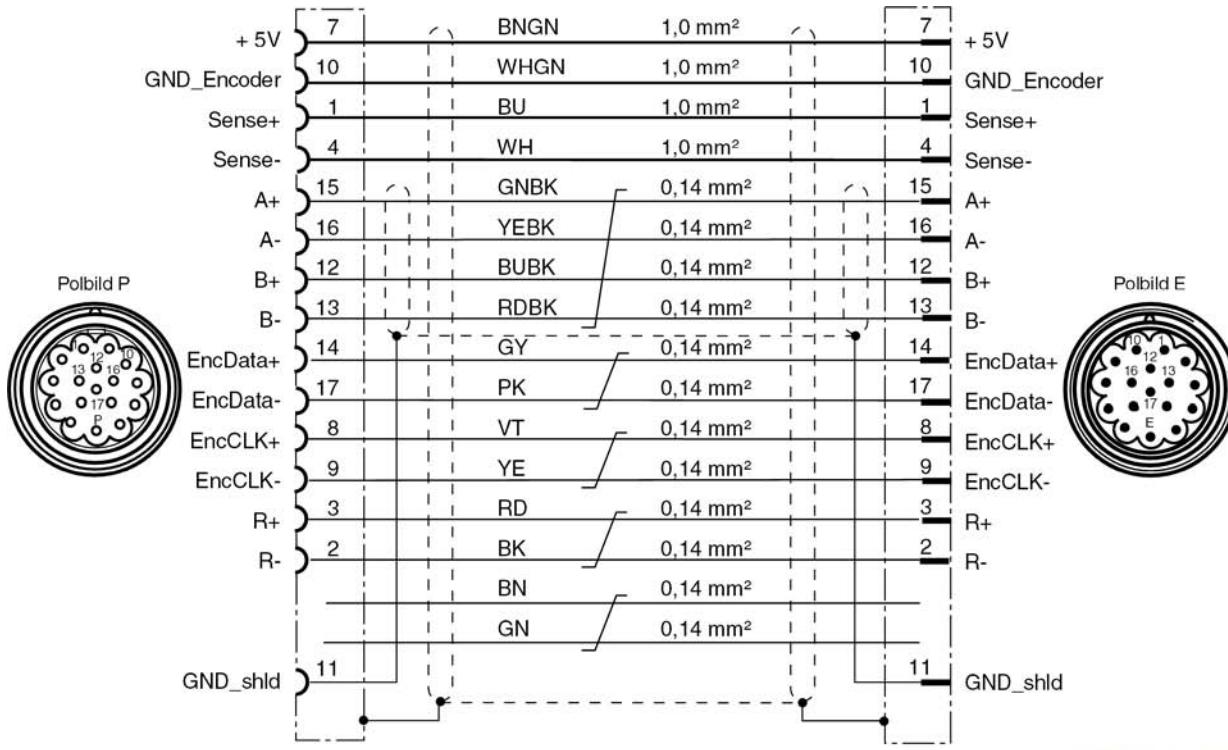
INS0379/C01

Bulk cable

INK0532

Plug-in connector for controller

INS0643/C01

Interconnection diagram

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Fig.24-38: Parts RKG0037

Connection Cables

RKG42xx

RKG4200

RKG4200

Encoder connector

RGS1001/C01

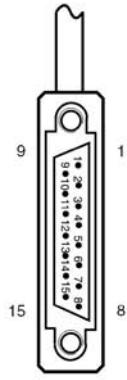
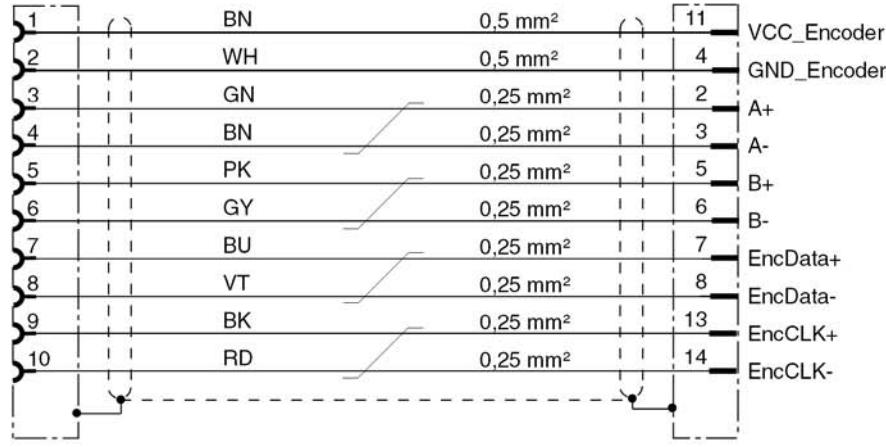
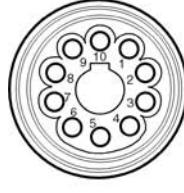
Bulk cable

INK0448

Plug-in connector for controller

INS0760/C01

Interconnection diagram



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Fig.24-39: Parts RKG4200

Connection Cables

RKG4201**RKG4201**

Encoder connector

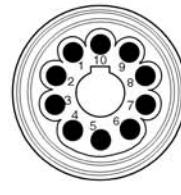
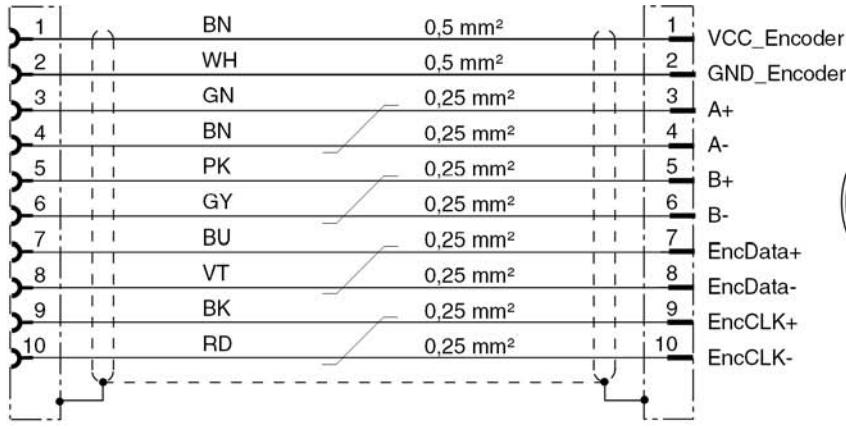
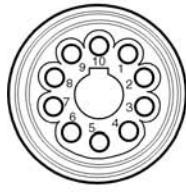
RGS1001/C01

Bulk cable

INK0448

Bulk head connector or connection cable

RGS1002/C01

Interconnection diagram

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Fig.24-40: Parts RKG4201

Connection Cables

RKG4202

RKG4202

Encoder connec-
tor

RGS1001/C01

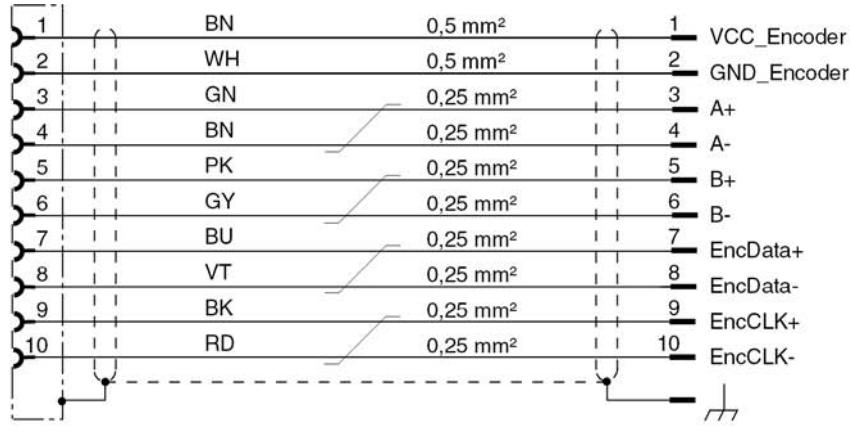
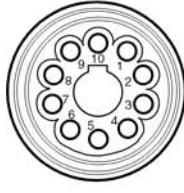
Bulk cable

INK0448

Plug-in connector
for controller

WEF

Interconnection diagram



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Fig.24-41: Parts RKG4202

Connection Cables

RKG4203**RKG4203**

Encoder connector

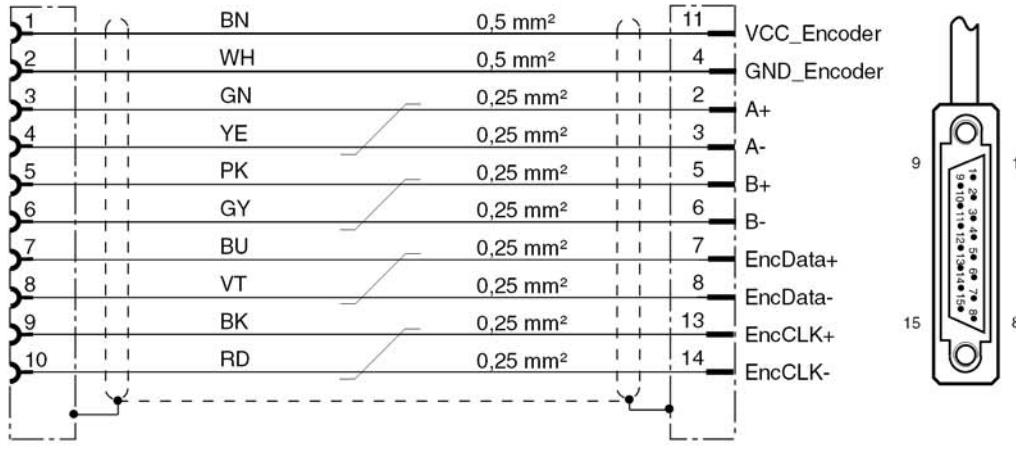
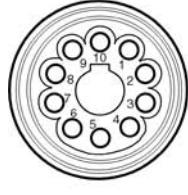
RGS1001/C01

Bulk cable

REG0748

Plug-in connector for controller

INS0760/C01

Interconnection diagram

KA000146v01_nn.fh11

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Fig.24-42: Parts RKG4203

Connection Cables

RKG4204

RKG4204

Encoder connec-
tor

RGS1001/C01

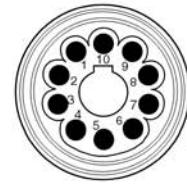
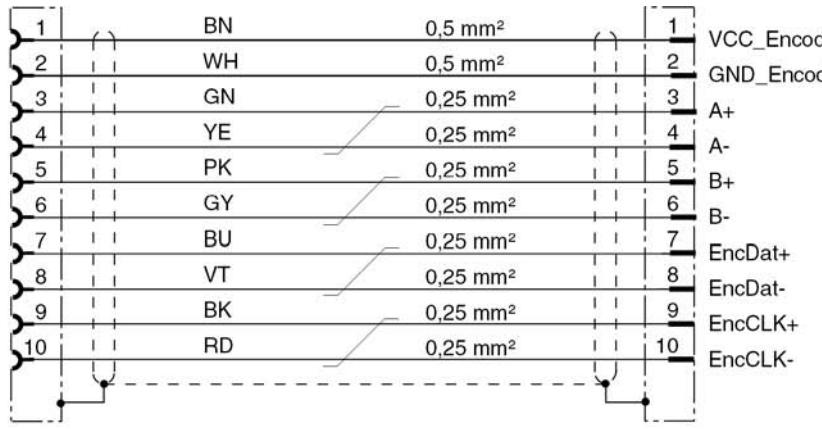
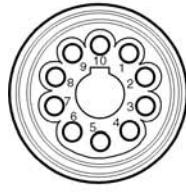
Bulk cable

REG0748

Plug-in connector
for controller

RGS1002/C01

Interconnection diagram



KA000147v01_nn.fh11

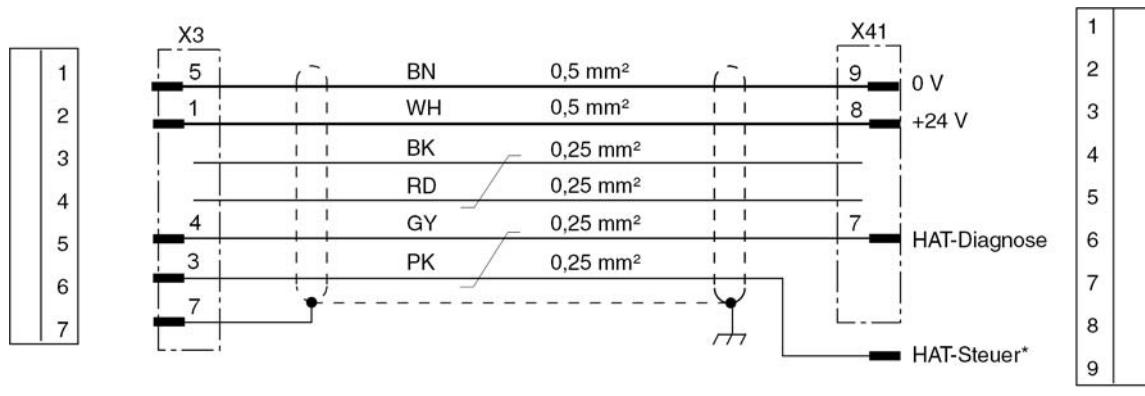
© Bosch Rexroth AG, 2009

Fig.24-43: Parts RKG4204

Connection Cables

24.1.4 RKSxxxx**RKS00xx****RKS0007****RKS0007****Connector****Bulk cable****Plug-in connector
for controller**Terminal connec-
tor

INK0750

Terminal connec-
tor**Interconnection diagram**

KA000141v01_nn.fh11

*) for pin assignment refer to our documentation about controllers

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Fig.24-44: Parts RKS0007

24.2 Power Cables

24.2.1 IKGxxxx

IKG40xx

IKG4051

IKG4051

Plug-in connector
for motor

INS0481/C02

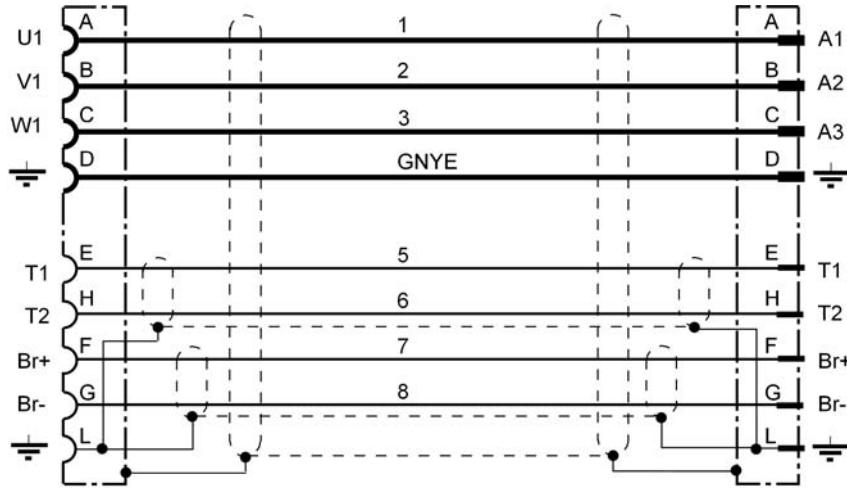
Bulk cable

INK0650

Plug-in connector

INS0482/C02

Interconnection diagram



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1.5 mm² wires 1, 2, 3, GNYE

0.75 mm² wires 5, 6, 7, 8

Fig.24-45: Parts IKG4051

Connection Cables

IKG4061**IKG4061**Plug-in connector
for motor

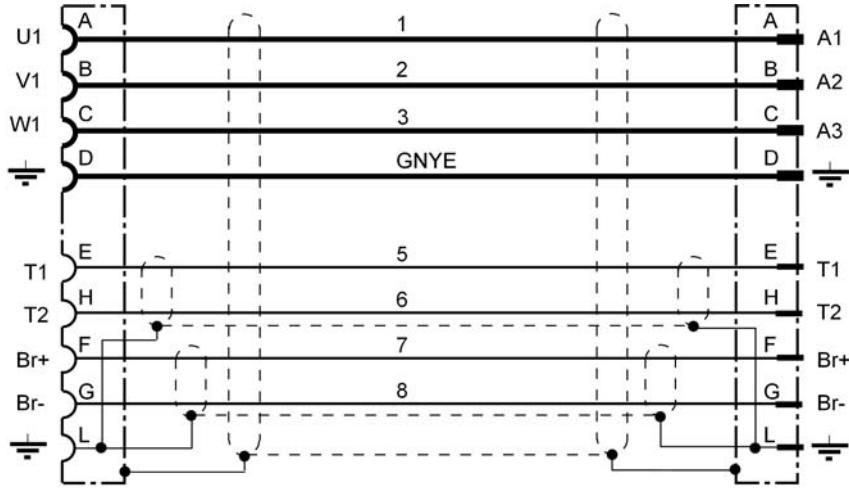
INS0481/C03

Bulk cable

INK0602

Plug-in connector

INS0482/C03

Interconnection diagram

KA000051v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-46: Parts IKG4061

IKG4081

IKG4081

Plug-in connector
for motor

INS0481/C04

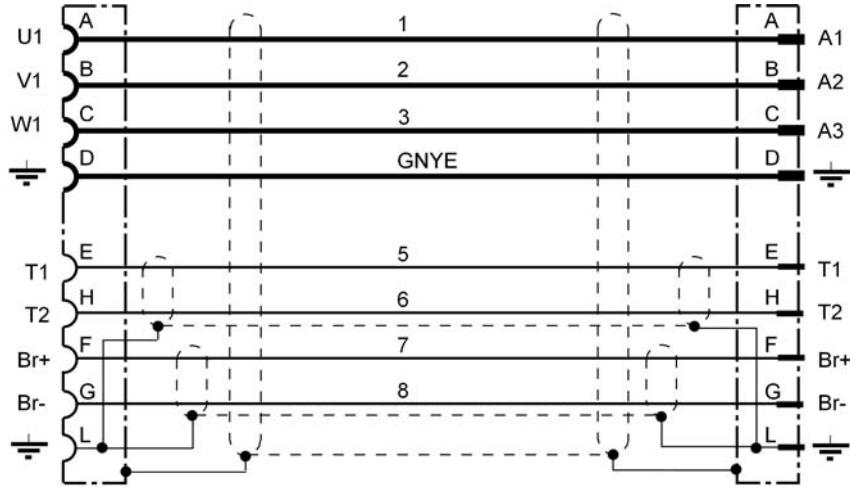
Bulk cable

INK0603

Plug-in connector

INS0482/C04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-47: Parts IKG4081

Connection Cables

IKG41xx**IKG4101****IKG4101**

**Plug-in connector
for motor**

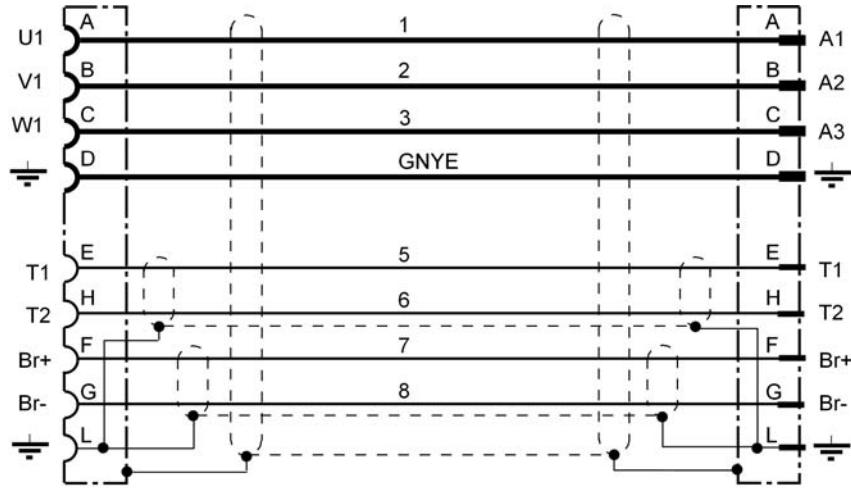
INS0481/C06

Bulk cable

INK0604

Plug-in connector

INS0482/C06

Interconnection diagram

KA000051v01_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-48: Parts IKG4101

IKG4115

IKG4115

Plug-in connec-
tor for motor

INS0481/C02

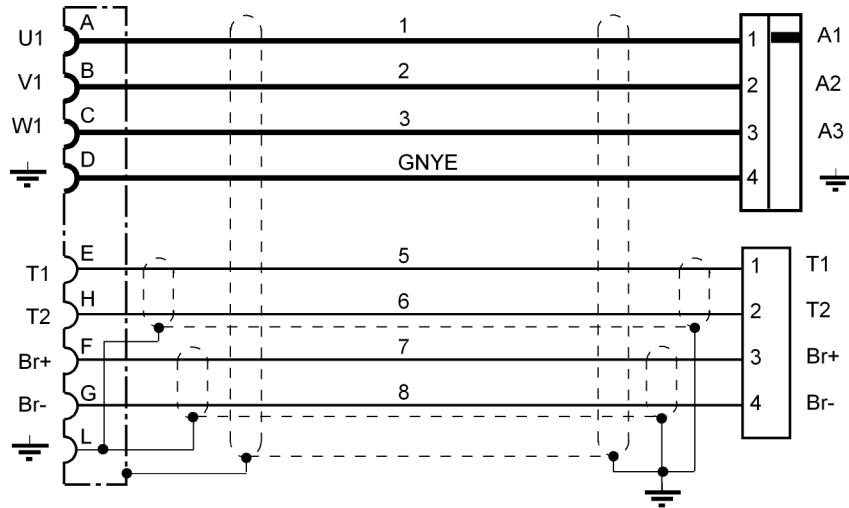
Bulk cable

INK0650

Plug-in connec-
tor for controller

RLS0721/K02

Interconnection diagram



KA000033v01_nr.fh11

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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-49: Parts IKG4115

Connection Cables

IKG4116**IKG4116**Plug-in connector
for motor

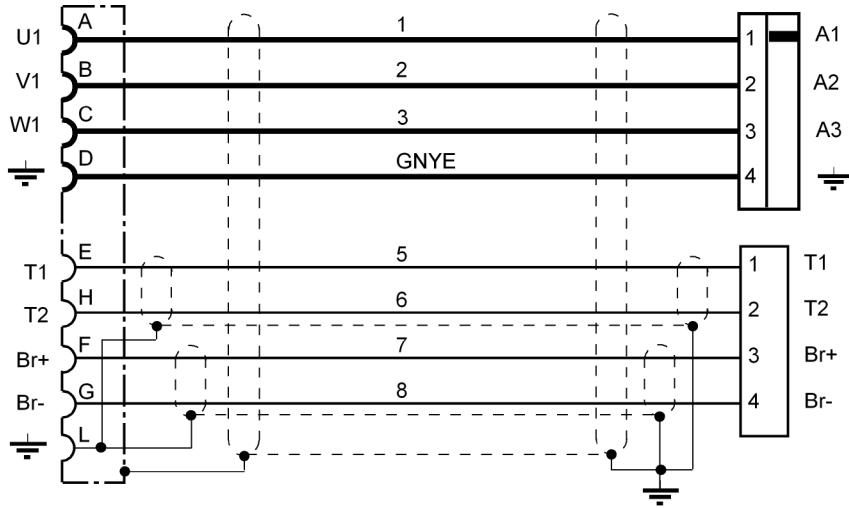
INS0481/C03

Bulk cable

INK0602

Plug-in connector
for controller

RLS0721/K03

Interconnection diagram

KA000033v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-50: Parts of IKG4116

IKG4117

IKG4117

Plug-in connec-
tor for motor

INS0481/C04

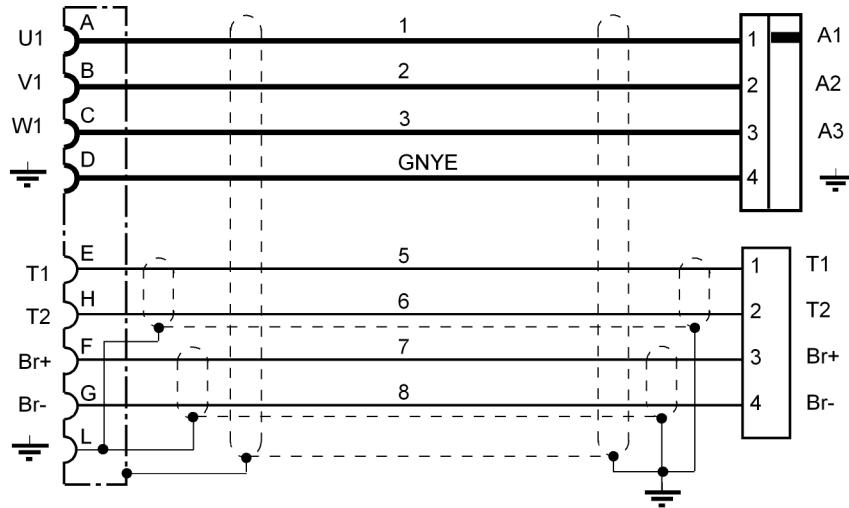
Bulk cable

INK0603

Plug-in connec-
tor for controller

RLS0721/K04

Interconnection diagram



KA000033v01_nr.fh11

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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-51: Parts of IKG4117

Connection Cables

IKG4118**IKG4118**

Plug-in connector for motor

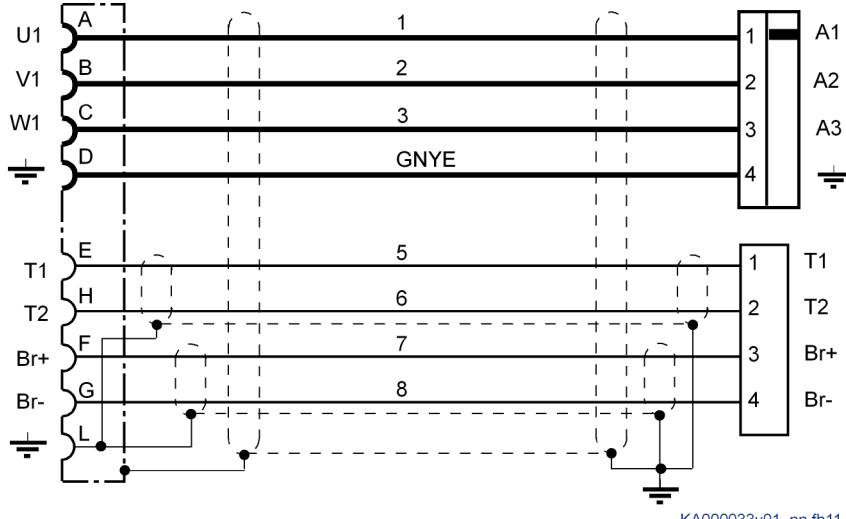
INS0481/C06

Bulk cable

INK0604

Plug-in connector for controller

RLS0721/K06

Interconnection diagram

KA000033v01_nn.fh11

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6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-52: Parts of IKG4118

IKG4121

IKG4121

Plug-in connector
for motor

INS0481/L10

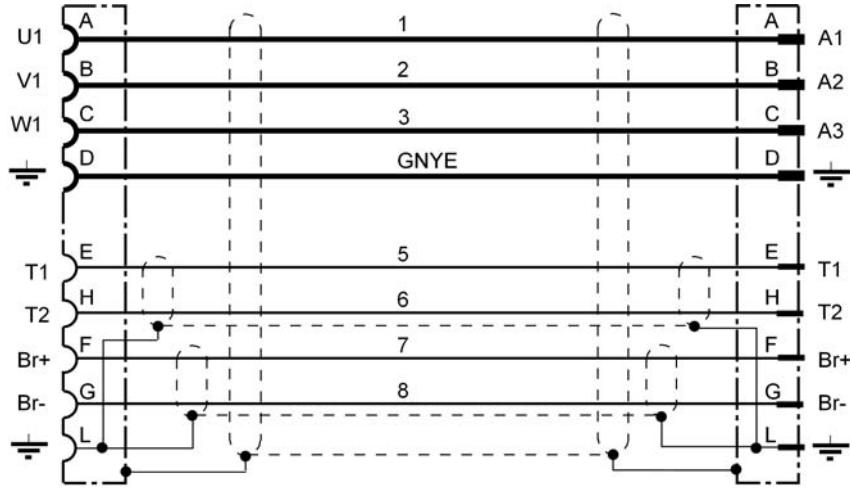
Bulk cable

INK0605

Plug-in connector

INS0482/L10

Interconnection diagram



KA000051v01_nn.fh11

© Bosch Rexroth AG, 2007

10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-53: Parts of IKG4121

Connection Cables

IKG4136

IKG4136

Plug-in connector for motor

INS0381/C06

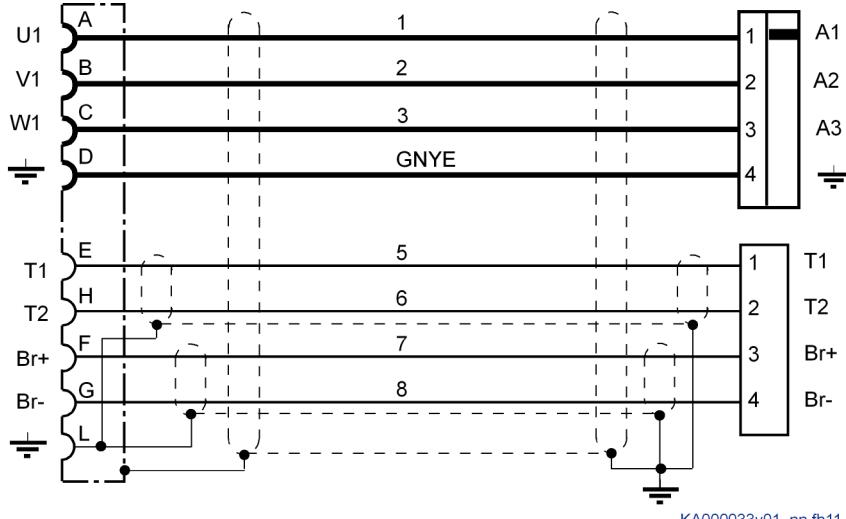
Bulk cable

INK0604

Plug-in connector for controller

RLS0721/K06

Interconnection diagram



KA000033v01_nn.fh11

© Bosch Rexroth AG, 2007

6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-54: Parts of IKG4136

IKG4139

IKG4139

Plug-in connec-
tor for motor

INS0481/C03

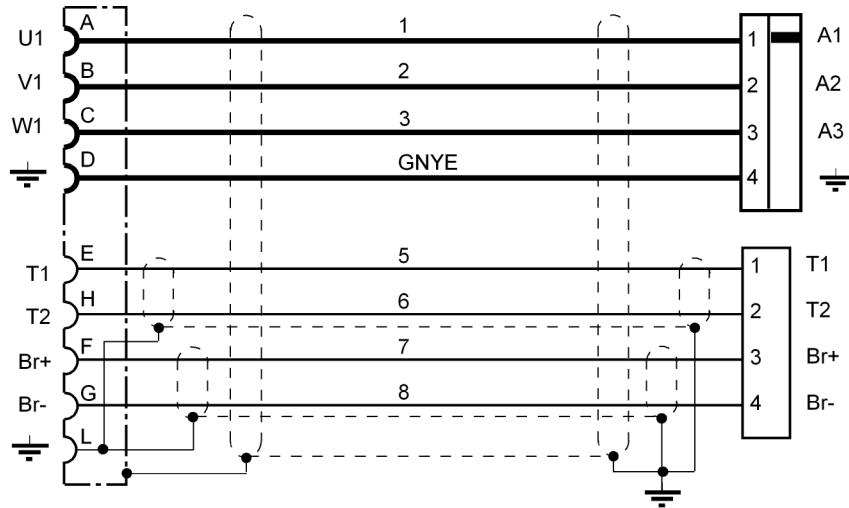
Bulk cable

INK0602

Plug-in connec-
tor for controller

RLS0722/K03

Interconnection diagram



KA000033v01_nr.fh11

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2.5 mm²

wires 1, 2, 3, GNYE

1.0 mm²

wires 5, 6, 7, 8

Fig.24-55:

Parts of IKG4139

Connection Cables

IKG4140

IKG4140

Plug-in connector for motor

INS0481/C02

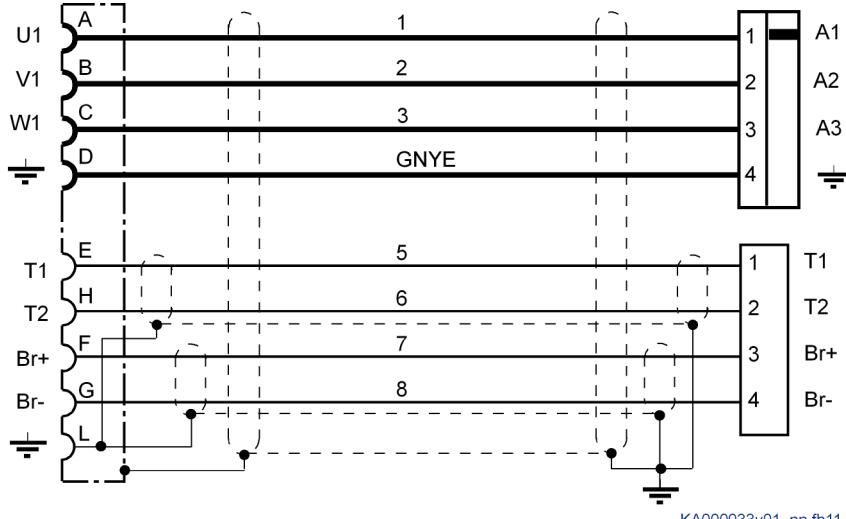
Bulk cable

INK0650

Plug-in connector for controller

RLS0722/K02

Interconnection diagram



KA000033v01_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
Fig.24-56: Parts of IKG4140

IKG4141

IKG4141

Plug-in connector
for motor

INS0381/C06

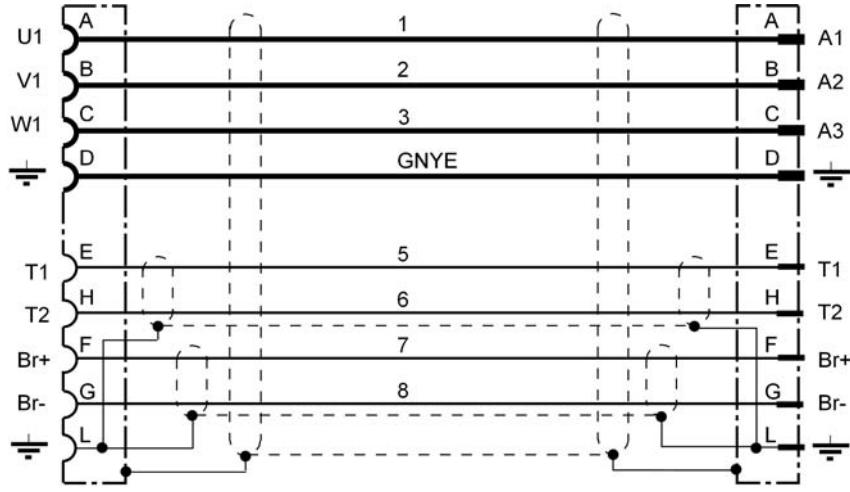
Bulk cable

INK0604

Plug-in connector

INS0382/C06

Interconnection diagram



KA000051v01_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-57: Parts of IKG4141

Connection Cables

IKG4145

IKG4145

Plug-in connector for motor

Bulk cable

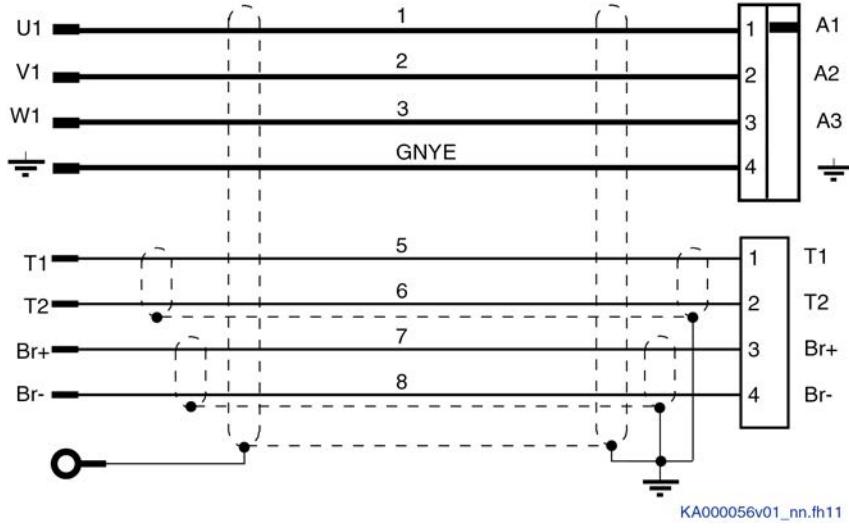
WEF/RT

INK0653

Plug-in connector for controller

RLS0722/K01

Interconnection diagram



KA000056v01_nn.fh11

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1.0 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
Fig.24-58: Parts of IKG4145

IKG4146

IKG4146

Plug-in connec-
tor for motor

WEF/RT

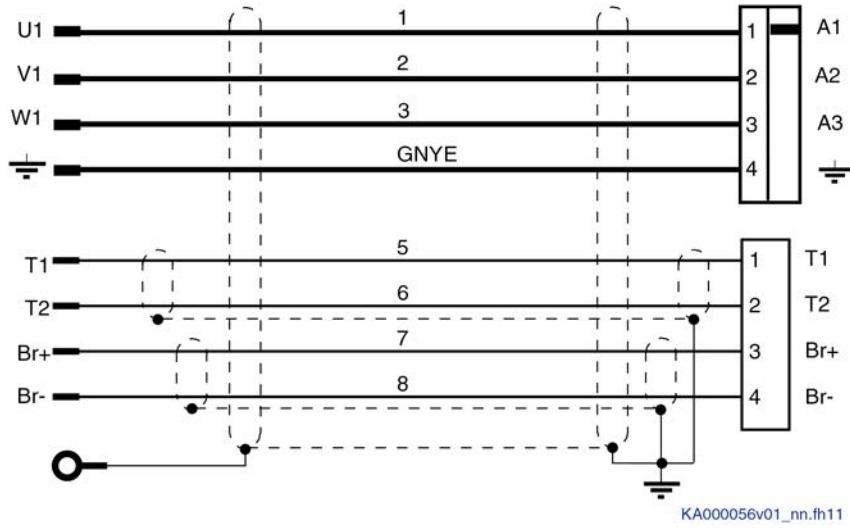
Bulk cable

INK0602

Plug-in connec-
tor for controller

RLS0722/K03

Interconnection diagram



KA000056v01_nn.fh11

© Bosch Rexroth AG, 2007

2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8

Fig.24-59: Parts of IKG4146

Connection Cables

IKG4148**IKG4148**

Plug-in connector for motor

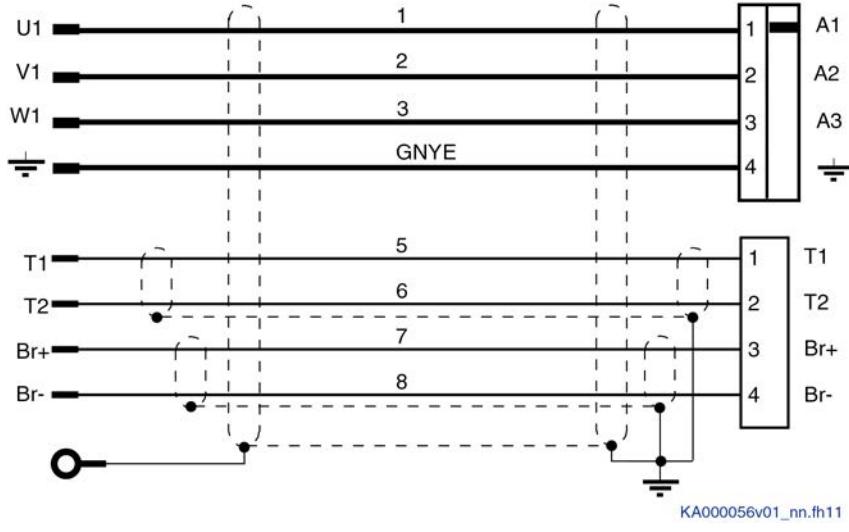
WEF/RT

Bulk cable

INK0602

Plug-in connector for controller

RLS0721/K03

Interconnection diagram

KA000056v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6, 7, 8

Fig.24-60: Parts of IKG4148

IKG4149

IKG4149

Plug-in connec-
tor for motor

WEF/RT

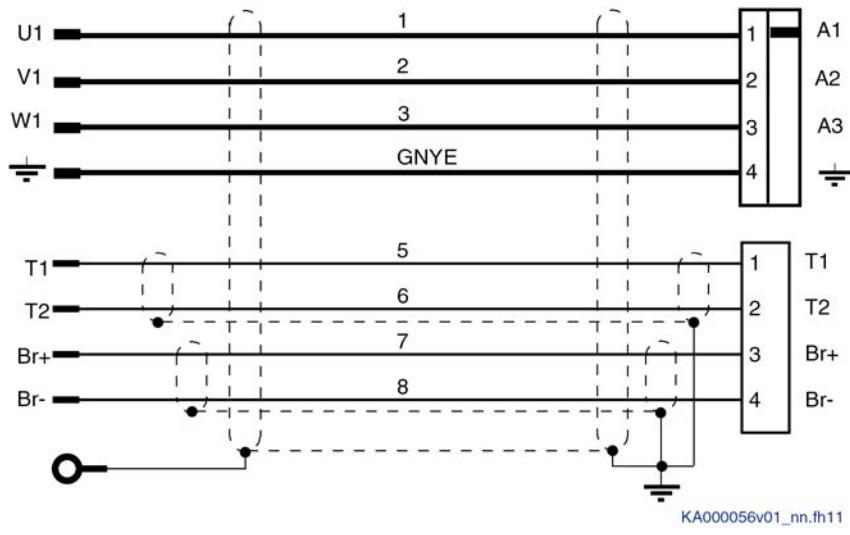
Bulk cable

INK0604

Plug-in connec-
tor for controller

RLS0721/K06

Interconnection diagram



KA000056v01_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-61: Parts of IKG4149

Connection Cables

IKG4155**IKG4155**

Plug-in connector for motor

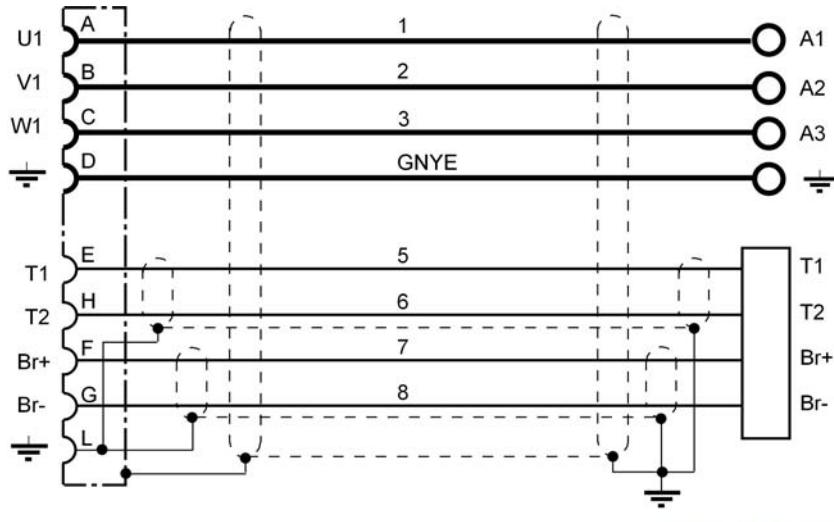
INS0381/C06

Bulk cable

INK0604

Plug-in connector for controller

RLS0723/K06

Interconnection diagram

KA000034v01_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-62: Parts of IKG4155

Connection Cables

IKG4161

IKG4161

Plug-in connector
for motor

INS0381/C10

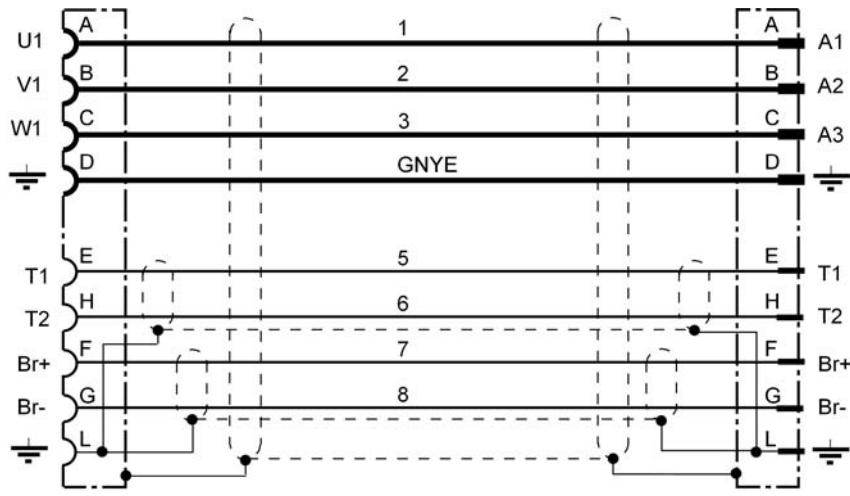
Bulk cable

INK0605

Plug-in connector

INS0382/C10

Interconnection diagram



KA000051v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-63: Parts of IKG4161

Connection Cables

IKG4168

IKG4168

Plug-in connector for motor

INS0381/C10

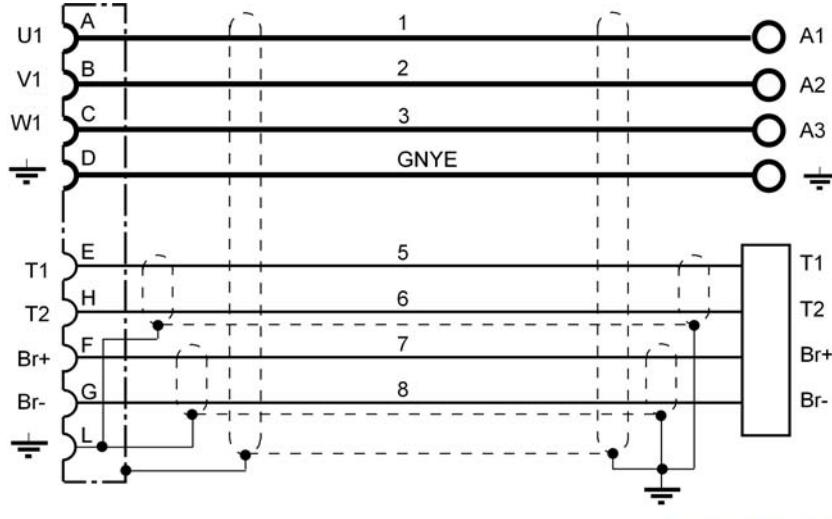
Bulk cable

INK0605

Plug-in connector for controller

RLS0723/K10

Interconnection diagram



KA000034v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-64: Parts of IKG4168

IKG4169

IKG4169

Plug-in connec-
tor for motor

INS0481/L10

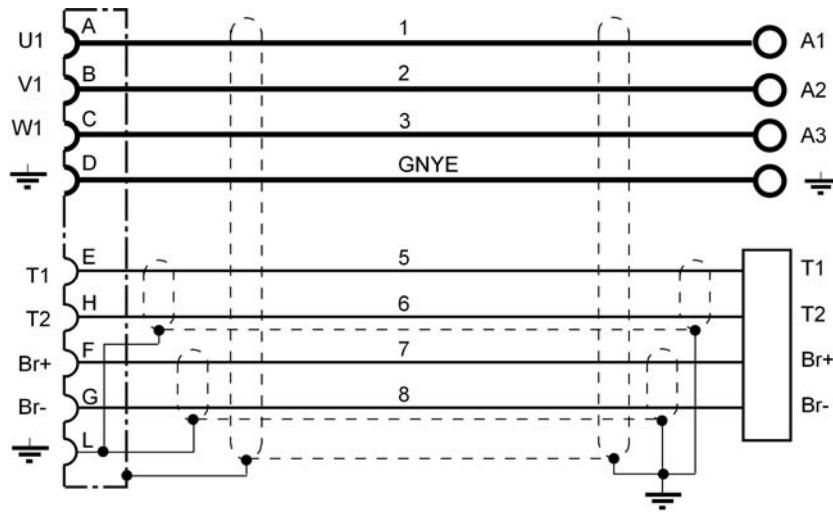
Bulk cable

INK0605

Plug-in connec-
tor for controller

RLS0723/K10

Interconnection diagram



KA000034v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-65: Parts of IKG4169

Connection Cables

IKG4172**IKG4172**

**Plug-in connector
for motor**

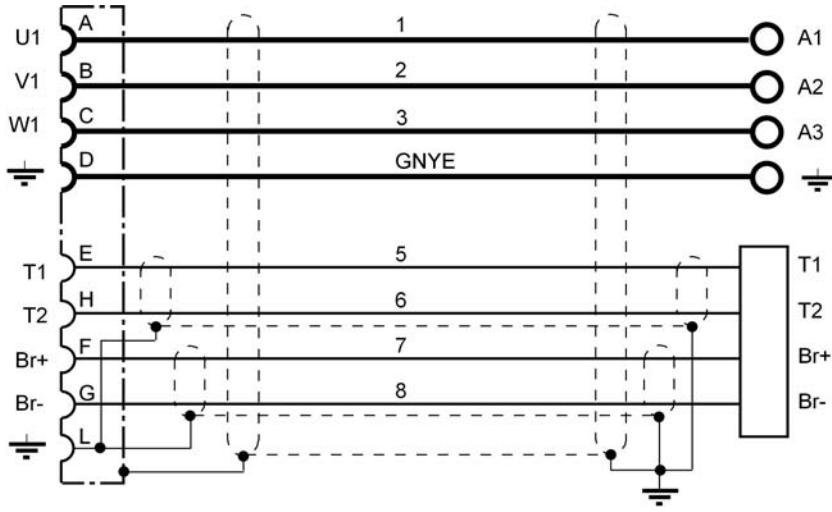
INS0381/C16

Bulk cable

INK0606

**Plug-in connector
for controller**

RLS0723/K16

Interconnection diagram

KA000034v01_nn.fh11

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16.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
Fig.24-66: Parts IKG4172

IKG4173

IKG4173

Plug-in connec-
tor for motor

INS0381/C25

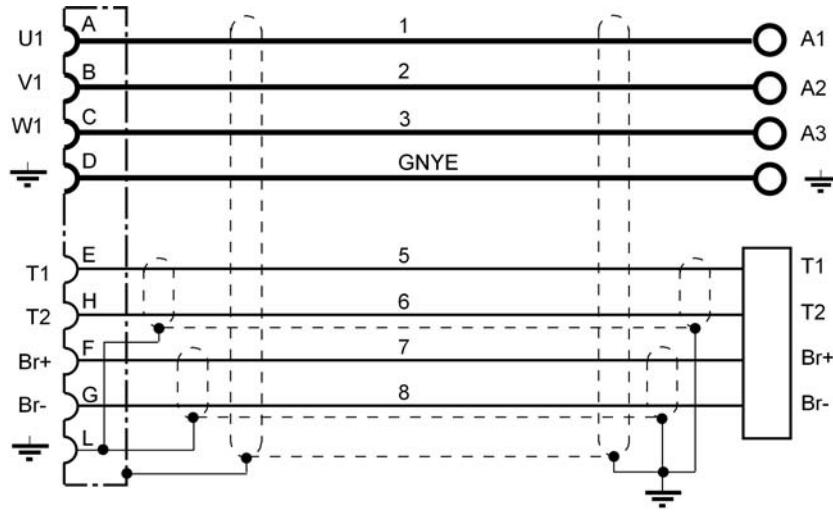
Bulk cable

INK0607

Plug-in connec-
tor for controller

RLS0723/K25

Interconnection diagram



KA000034v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-67: Parts of IKG4173

Connection Cables

IKG4174**IKG4174**

Plug-in connector for motor

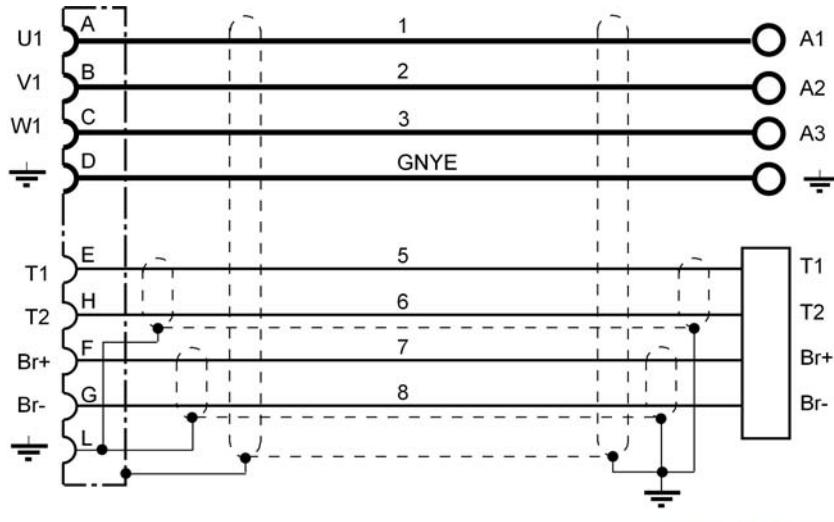
INS0381/C35

Bulk cable

INK0667

Plug-in connector for controller

RLS0723/K35

Interconnection diagram

KA000034v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Fig.24-68: Parts of IKG4174

IKG4175

IKG4175

Plug-in connec-
tor for motor

INS0481/L10

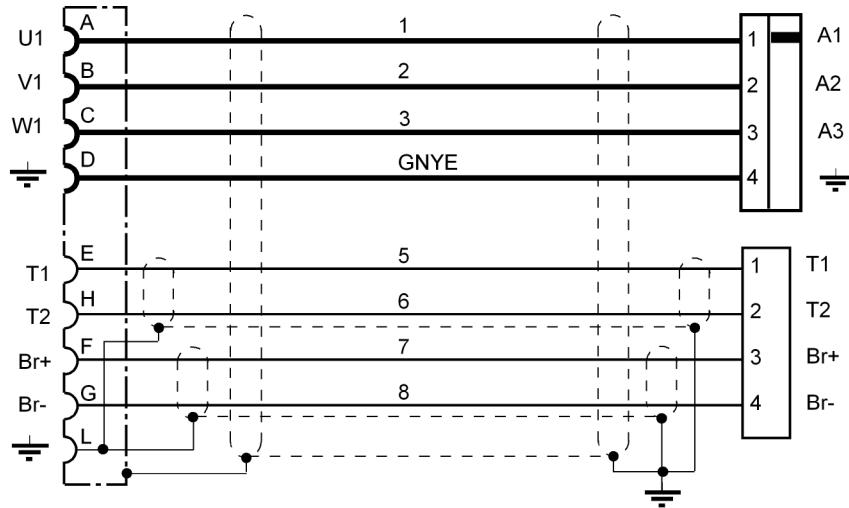
Bulk cable

INK0605

Plug-in connec-
tor for controller

RLS0721/K10

Interconnection diagram



KA000033v01_nr.fh11

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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-69: Parts of IKG4175

Connection Cables

IKG4176

IKG4176

Plug-in connector for motor

INS0381/C10

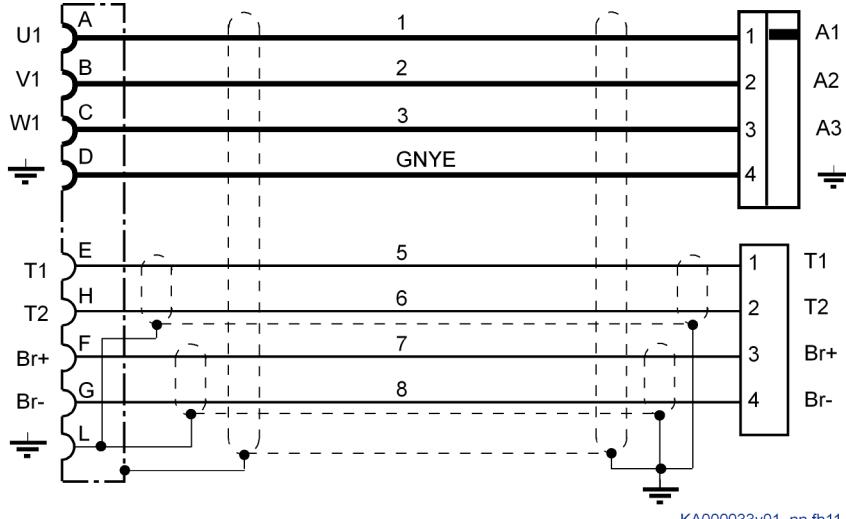
Bulk cable

INK0605

Plug-in connector for controller

RLS0721/K10

Interconnection diagram



KA000033v01_nn.fh11

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10.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-70: Parts of IKG4176

IKG4177

IKG4177

Plug-in connec-
tor for motor

INS0481/C04

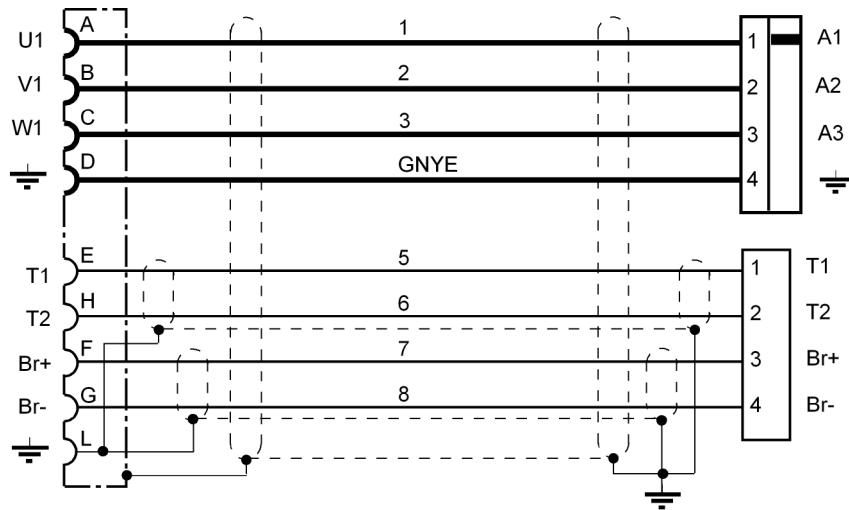
Bulk cable

INK0603

Plug-in connec-
tor for controller

RLS0722/K04

Interconnection diagram



KA000033v01_nr.fh11

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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-71: Parts of IKG4177

Connection Cables

IKG4181**IKG4181**

**Plug-in connector
for motor**

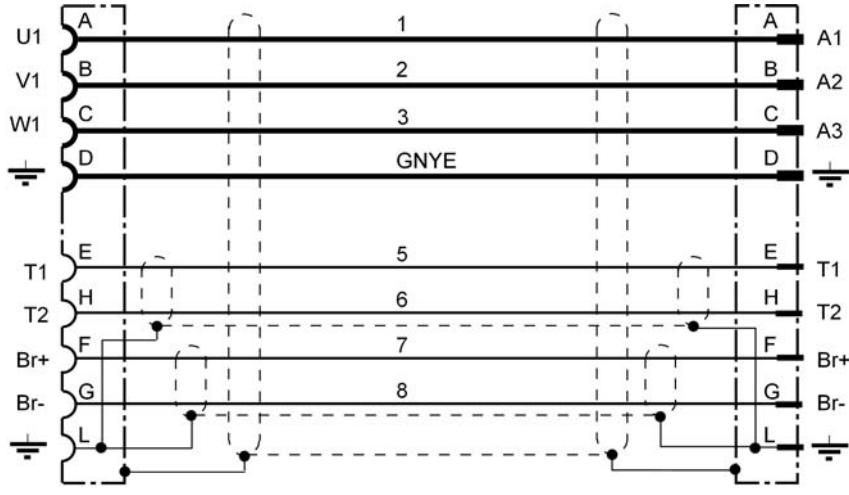
INS0381/C16

Bulk cable

INK0606

Plug-in connector

INS0382/C16

Interconnection diagram

KA000051v01_nn.fh11

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16.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-72: Parts of IKG4181

Connection Cables

IKG42xx

IKG4201

IKG4201

Plug-in connector
for motor

INS0381/C25

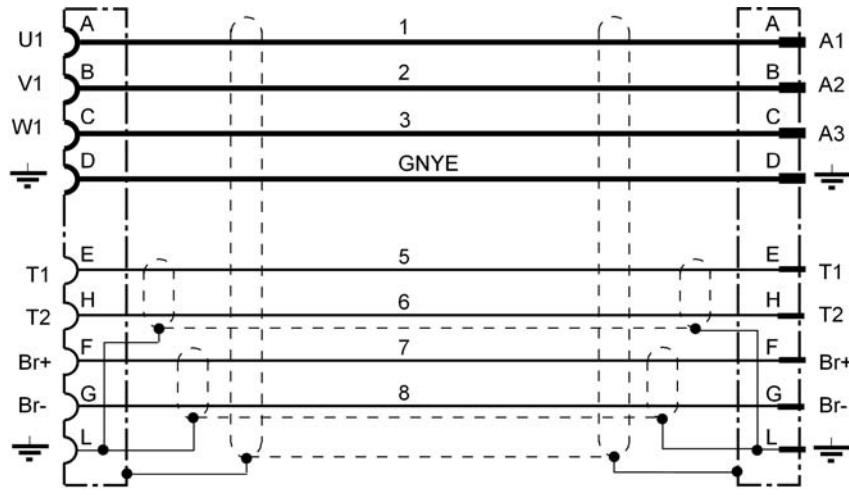
Bulk cable

INK0607

Plug-in connector

INS0382/C25

Interconnection diagram



KA000051v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-73: Parts of IKG4201

Connection Cables

IKG4215

IKG4215

Plug-in connector for motor

INS0481/C06

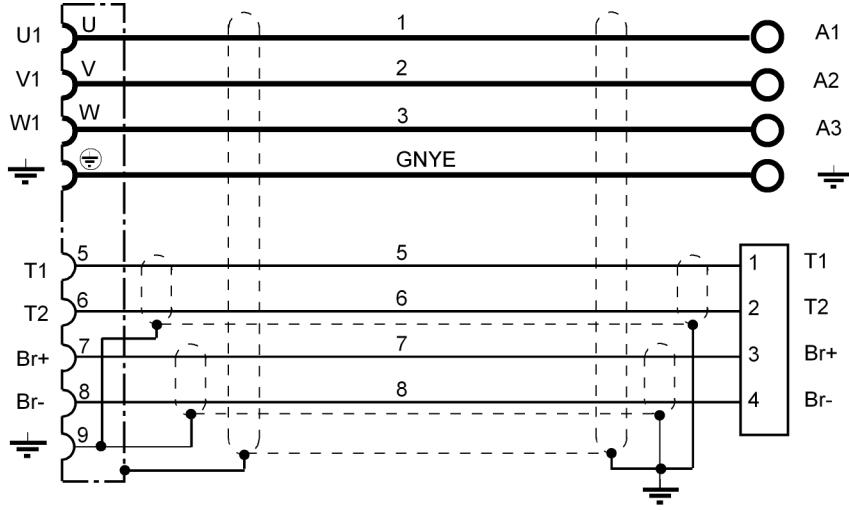
Bulk cable

INK0604

Plug-in connector for controller

RLS0723/K06

Interconnection diagram



KA000029v01_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-74: Parts of IKG4215

Connection Cables

IKG4221

IKG4221

Plug-in connector
for motor

INS0381/C35

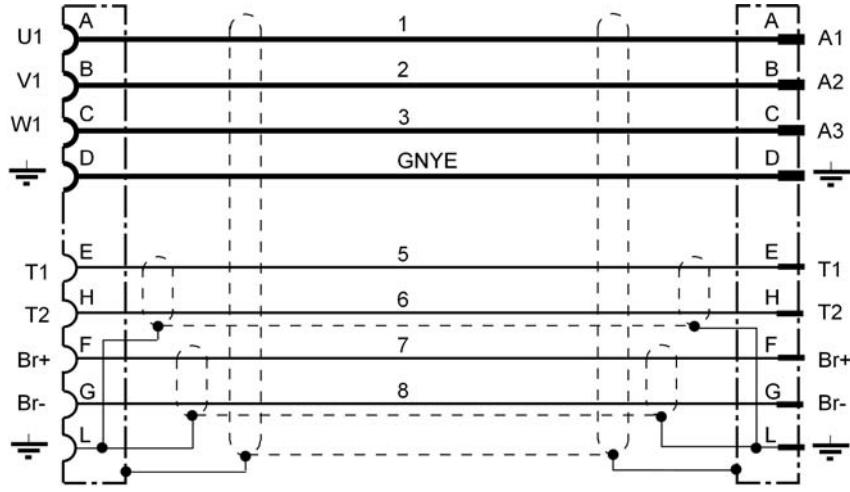
Bulk cable

INK0667

Plug-in connector

INS0382/C35

Interconnection diagram



KA000051v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-75: Parts of IKG4221

Connection Cables

24.2.2 RKLxxxx**RKL00xx****RKL0005****RKL0005**

Connector Motor

Bulk cable

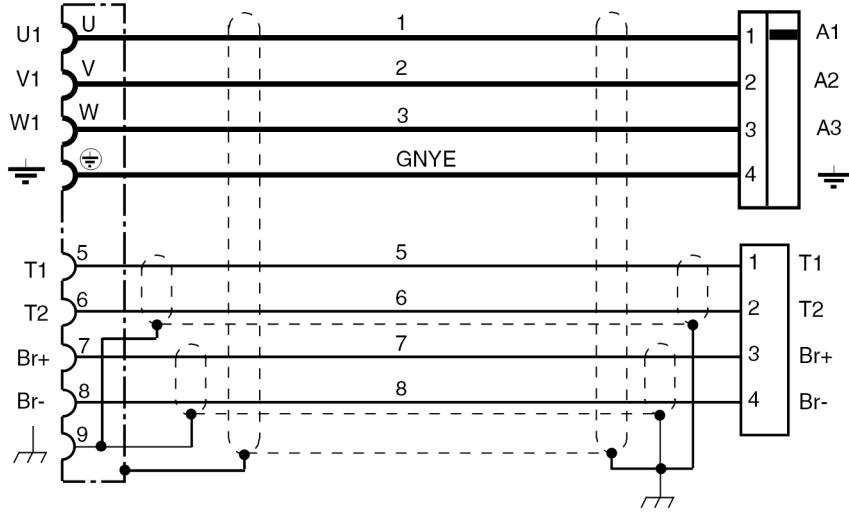
Plug-in connector
for controller

RLS1101/C02

REL0753

RLS0722/K01

Interconnection diagram



KA000028v03_nn.fh11

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1.0 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
Fig.24-76: Parts of RKL0005

Connection Cables

RKL0006

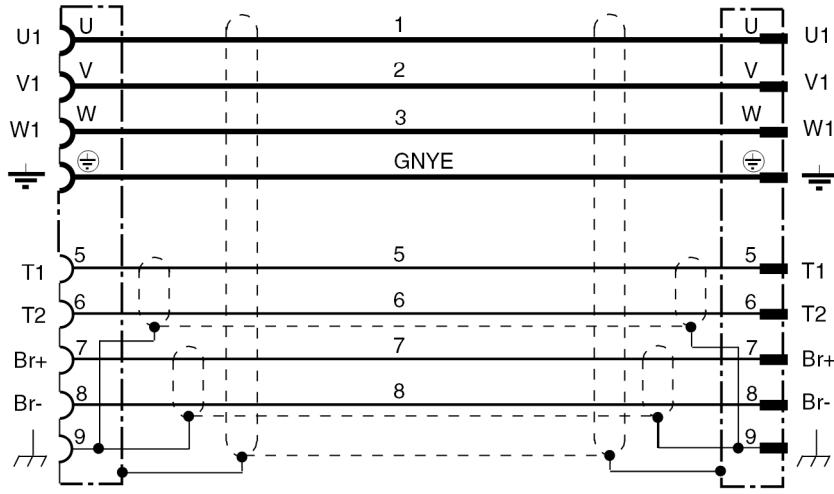
RKL0006

Connector Motor
RLS1101/C02

Bulk cable
REL0753

Connector
RLS1102/C02

Interconnection diagram



KA000030v02_nn.fh11

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1.0 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-77: Parts of RKL0006

Connection Cables

RKL0008**RKL0008****Plug-in connector for motor**

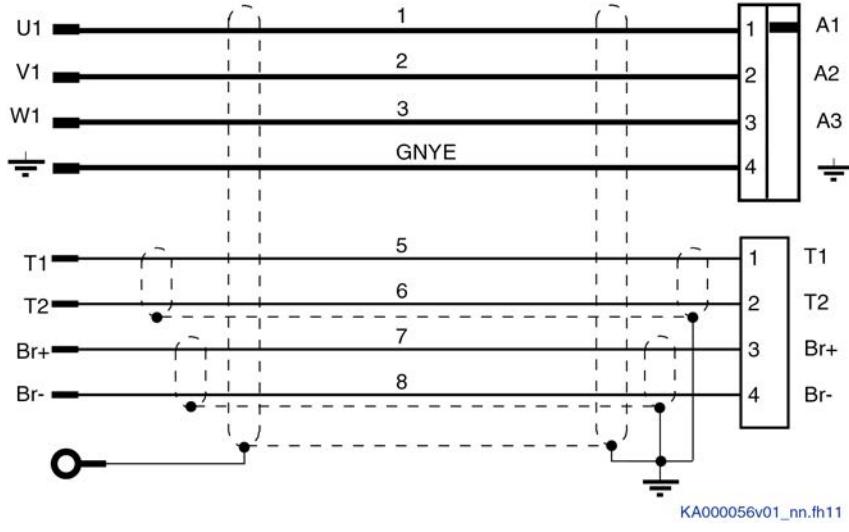
WEF/RT

Bulk cable

INK0650

Plug-in connector for controller

RLS0721/K02

Interconnection diagram

KA000056v01_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
Fig.24-78: Parts of RKL0008

RKL0013

RKL0013

Plug-in connec-
tor for motor

INS0751/C01

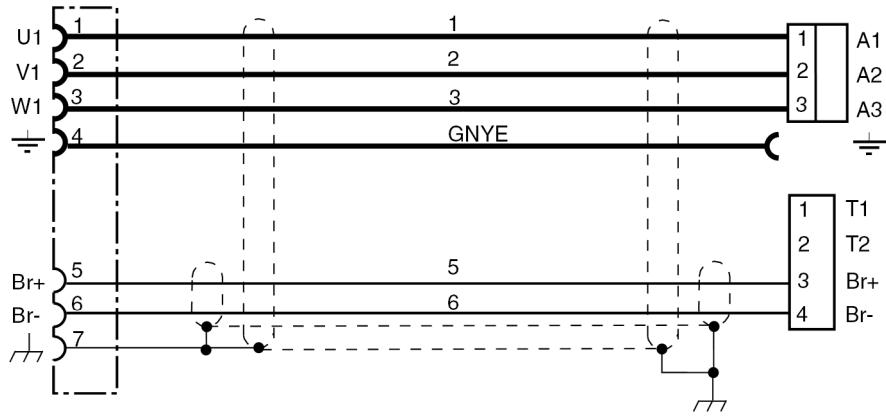
Bulk cable

INK0670

Plug-in connec-
tor for controller

RLS0745/K01

Interconnection diagram



KA000148v01_nn.fh11

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0.75 mm² wires 1, 2, 3, GNYE

0.5 mm² wires 5, 6

Fig.24-79: Parts of RKL0013

Connection Cables

RKL0014**RKL0014**

**Plug-in connector
for motor**

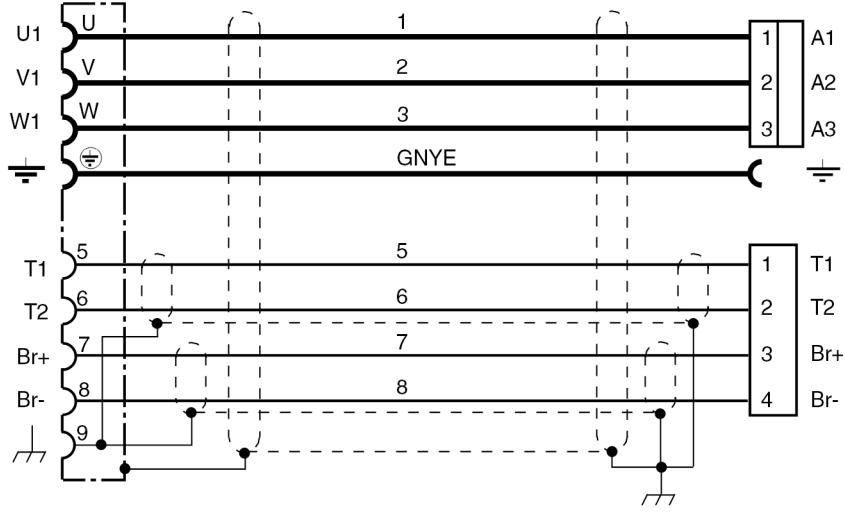
RLS1101/C02

Bulk cable

INK0650

Plug-in connector

RLS0745/K02

Interconnection diagram

KA000144v01_nn.fh11

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1.0 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
Fig.24-80: *Parts of RKL0014*

Connection Cables

RKL0015

RKL0015

Plug-in connector
for motor

RLS1101/C02

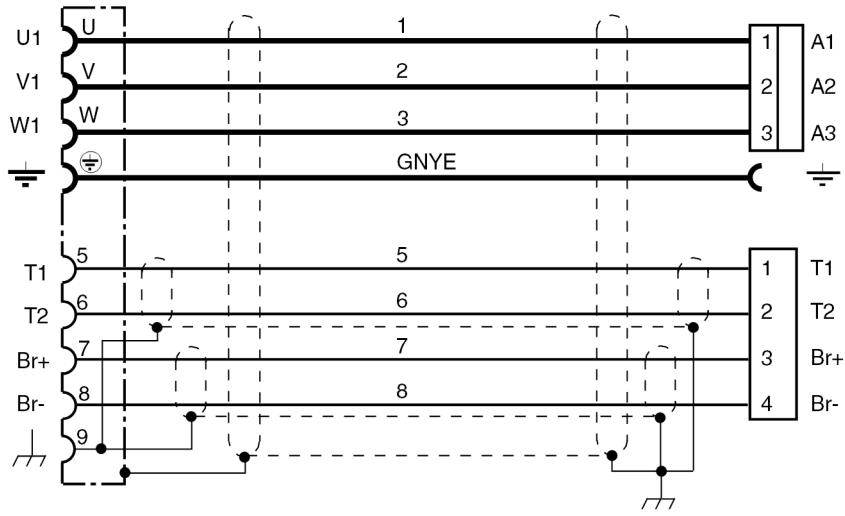
Bulk cable

INK0650

Plug-in connector

RLS0745/K02

Interconnection diagram



KA000144v01_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-81: Parts RKL0015

Connection Cables

RKL0016**RKL0016**

**Plug-in connector
for motor**

Bulk cable

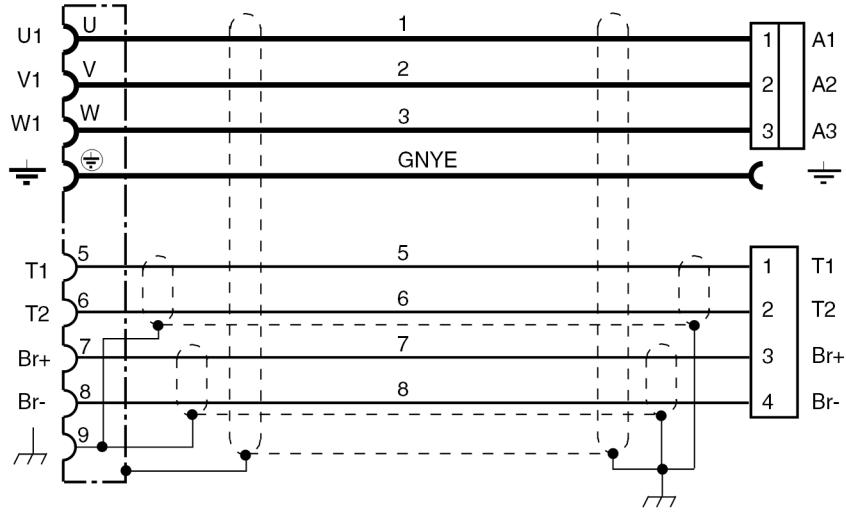
Connector

RLS1201/C03

INK0650

RLS0745/K02

Interconnection diagram



KA000144v01_nn.fh11

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1.5 mm ²	wires 1, 2, 3, GNYE
0.75 mm ²	wires 5, 6, 7, 8
Fig.24-82: Parts RKL0016	

Connection Cables

RKL0017

RKL0017

Plug-in connector
for motor

RLS1201/C03

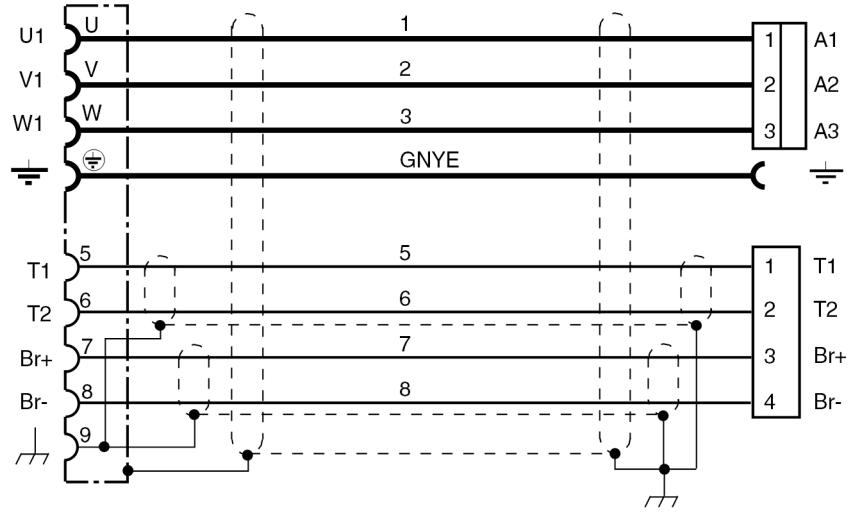
Bulk cable

INK0650

Connector

RLS0746/K02

Interconnection diagram



KA000144v01_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-83: Parts RKL0017

Connection Cables

RKL0018**RKL0018**

**Plug-in connector
for motor**

Bulk cable

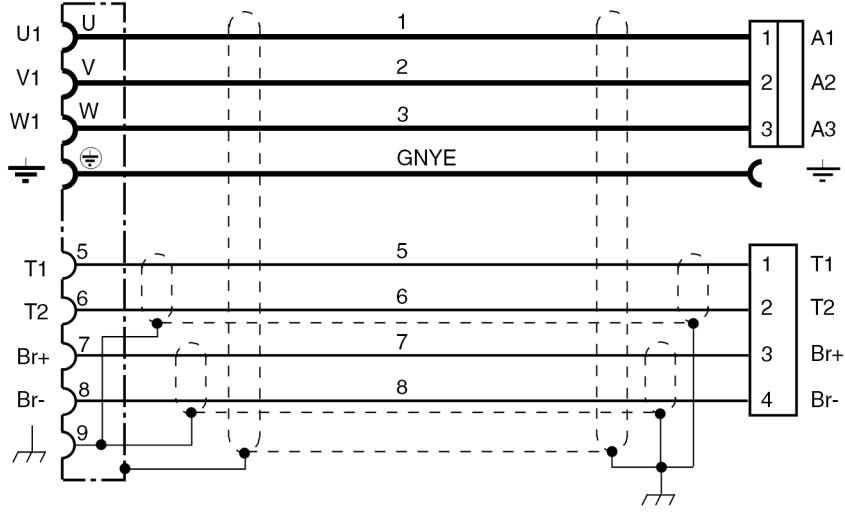
Connector

RLS1201/C04

INK0602

RLS0746/K03

Interconnection diagram



KA000144v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE
 1.0 mm² wires 5, 6, 7, 8
Fig.24-84: *Parts RKL0018*

Connection Cables

RKL0035

RKL0035

Plug-in connec-
tor for motor

INS0751/C01

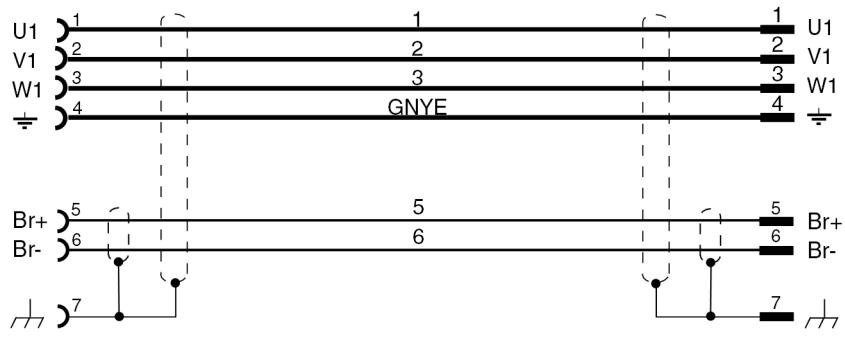
Bulk cable

INK0670

Plug-in connec-
tor

INS0757/C01

Interconnection diagram



KA000149v01_nn.fh11

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0.75 mm² wires 1, 2, 3, GNYE

0.5 mm² wires 5, 6

Fig.24-85: Parts of RKL0035

Connection Cables

RKL43xx**RKL4300****RKL4300**

Connector Motor

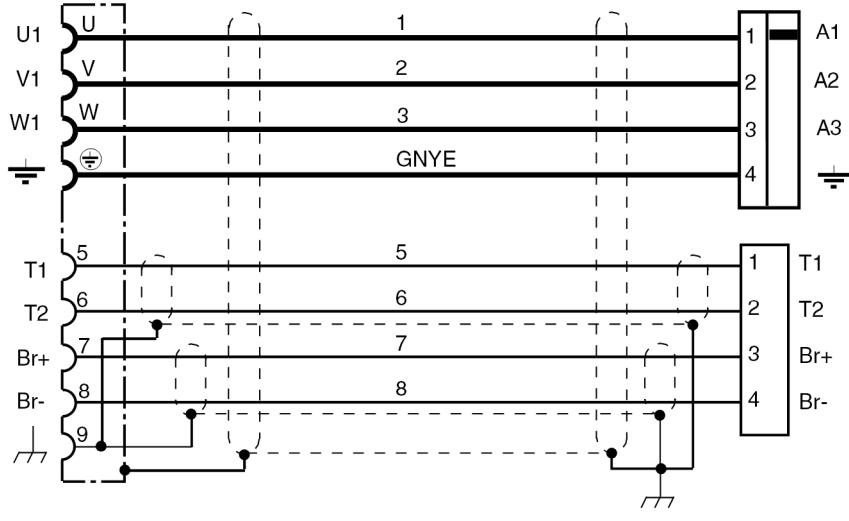
Bulk cable

Plug-in connector
for controller

RLS1101/C02

INK0650

RLS0722/K02

Interconnection diagram

KA000028v03_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE0.75 mm² wires 5, 6, 7, 8

Fig.24-86: Parts of RKL4300

RKL4301

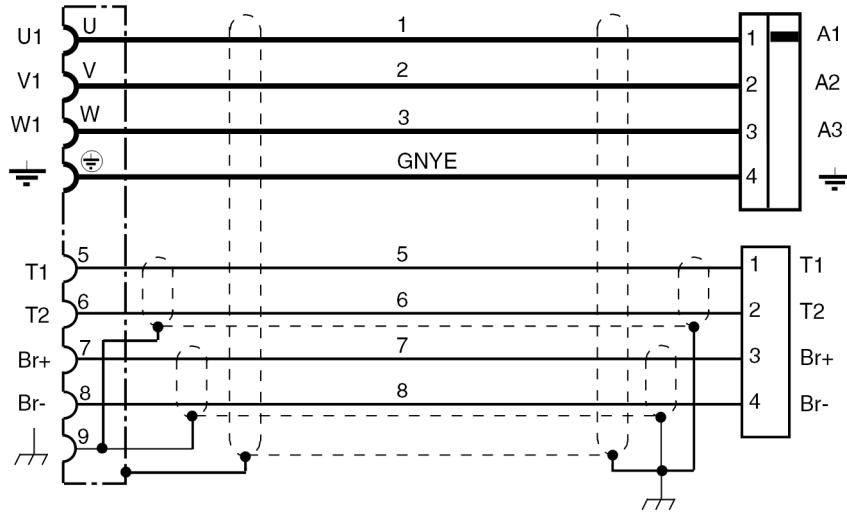
RKL4301

Plug-in connector for motor
RLS1101/C02

Bulk cable
INK0650

Plug-in connector for controller
RLS0721/K02

Interconnection diagram



KA000028v03_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-87: Parts of RKL4301

Connection Cables

RKL4302**RKL4302**

**Plug-in connector
for motor**

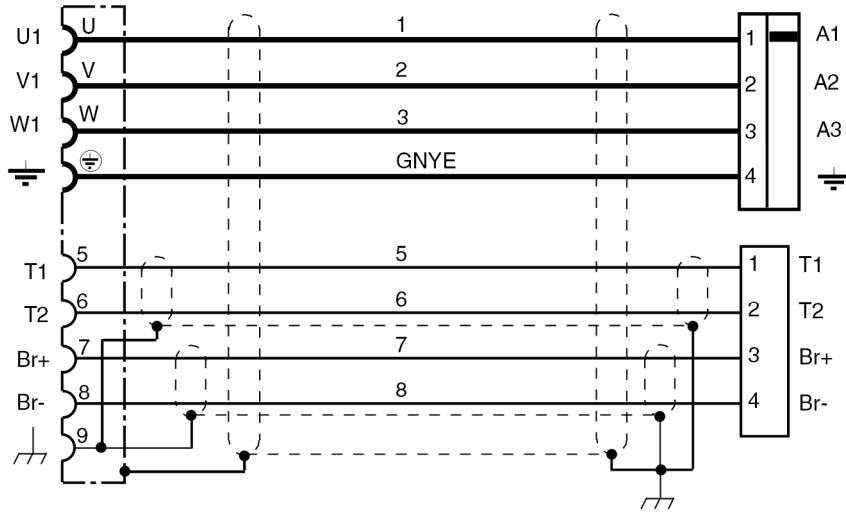
RLS1101/C02

Bulk cable

INK0653

**Plug-in connector
for controller**

RLS0722/K01

Interconnection diagram

KA000028v03_nn.fh11

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1.0 mm ²	wires 1, 2, 3, GNYE
0.75 mm ²	wires 5, 6, 7, 8
<i>Fig.24-88: Parts RKL4302</i>	

Connection Cables

RKL4303

RKL4303

Plug-in connector
for motor

RLS1101/C02

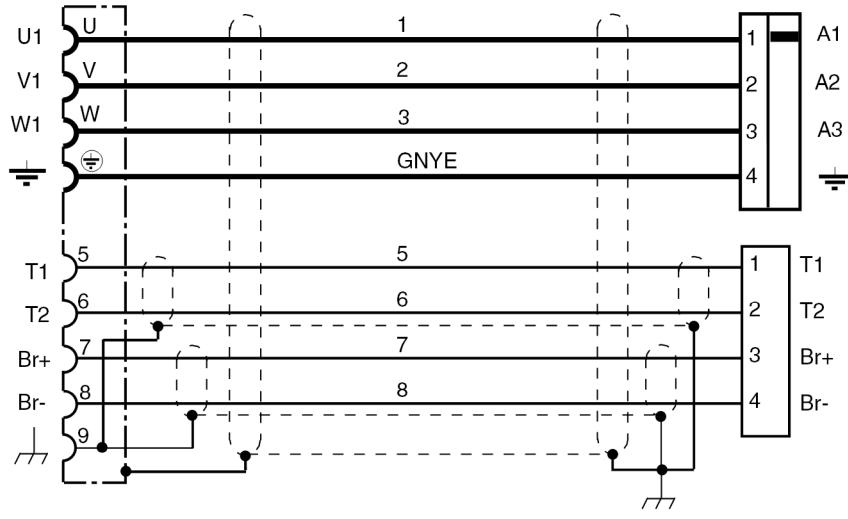
Bulk cable

INK0653

Plug-in connector
for controller

RLS0721/K01

Interconnection diagram



KA000028v03_nn.fh11

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1.0 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-89: Parts of RKL4303

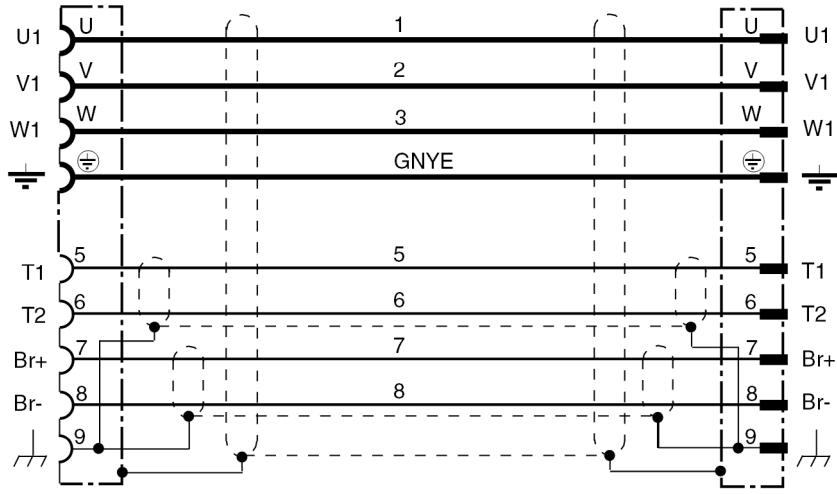
Connection Cables

RKL4304**RKL4304**

Connector Motor
RLS1101/C02

Bulk cable
INK0650

Connector
RLS1102/C02

Interconnection diagram

KA000030v02_nn.fh11

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1.5 mm² wirse 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
Fig.24-90: Parts RKL4304

RKL4305

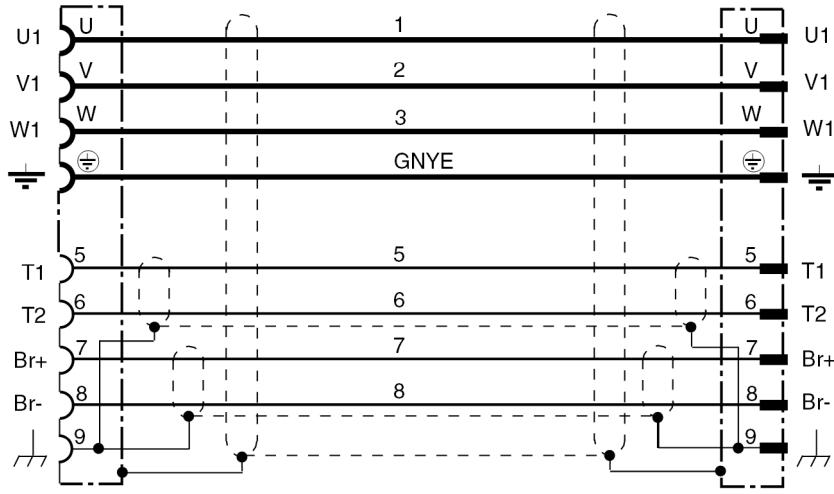
RKL4305

Connector Motor
RLS1101/C02

Bulk cable
INK0653

Connector
RLS1102/C02

Interconnection diagram



KA000030v02_nn.fh11

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1.0 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-91: Parts RKL4305

Connection Cables

RKL4306**RKL4306**

**Plug-in connector
for motor**

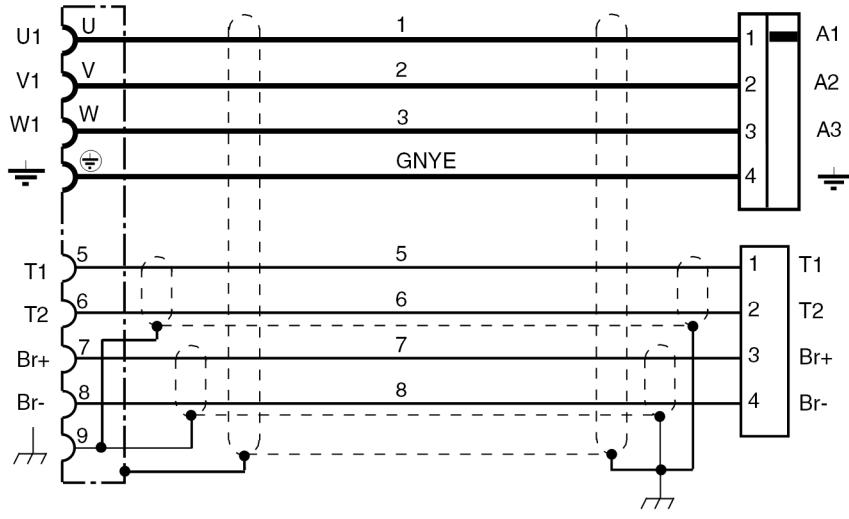
RLS1201/C03

Bulk cable

INK0650

**Plug-in connector
for controller**

RLS0722/K02

Interconnection diagram

KA000028v03_nn.fh11

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1.5 mm ²	wires 1, 2, 3, GNYE
0.75 mm ²	wires 5, 6, 7, 8
<i>Fig.24-92: Parts RKL4306</i>	

RKL4307

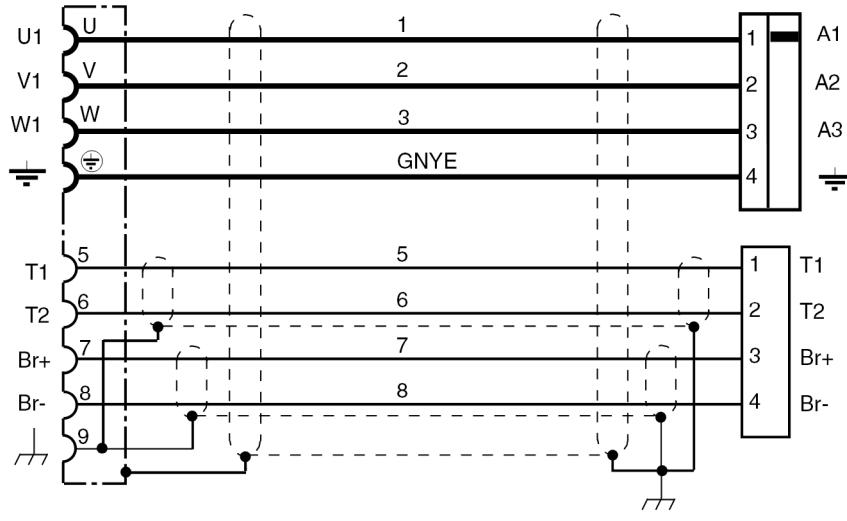
RKL4307

Plug-in connector for motor
RLS1201/C03

Bulk cable
INK0650

Plug-in connector for controller
RLS0721/K02

Interconnection diagram



KA000028v03_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-93: Parts RKL4307

Connection Cables

RKL4308**RKL4308**

**Plug-in connector
for motor**

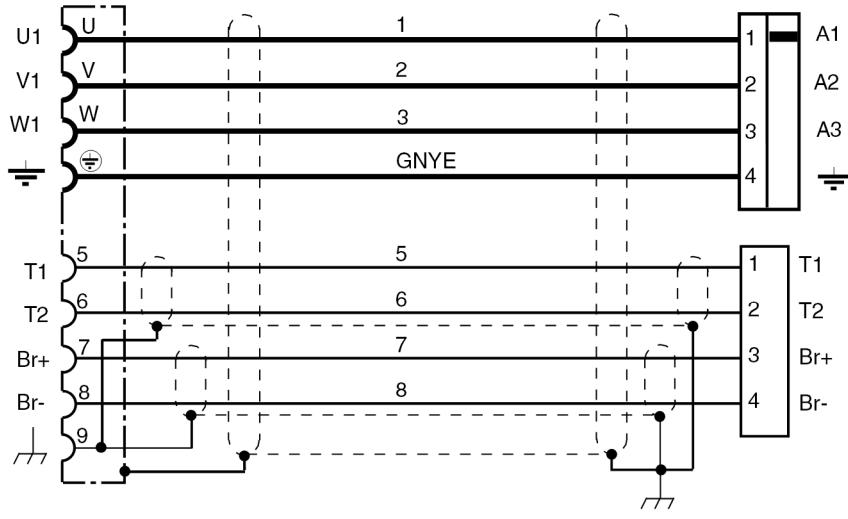
RLS1201/C04

Bulk cable

INK0602

**Plug-in connector
for controller**

RLS0722/K03

Interconnection diagram

KA000028v03_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-94: Parts RKL4308

Connection Cables

RKL4309

RKL4309

Plug-in connector
for motor

RLS1201/C04

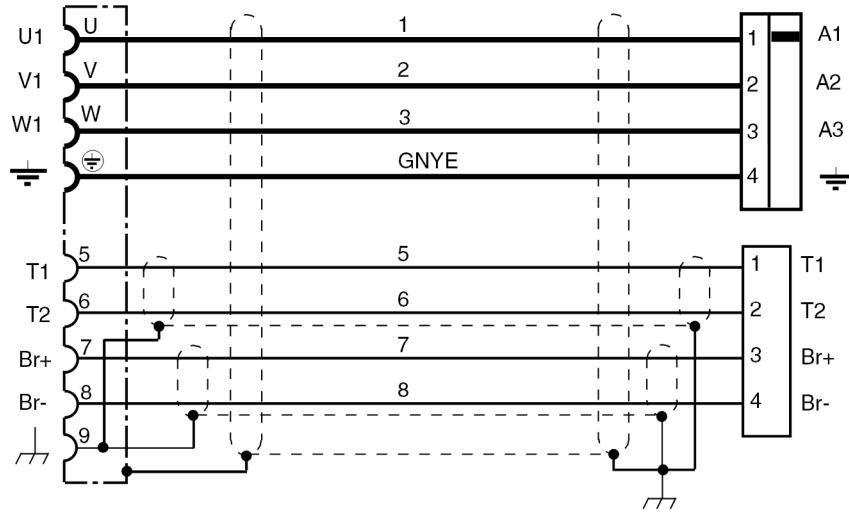
Bulk cable

INK0602

Plug-in connector
for controller

RLS0721/K03

Interconnection diagram



KA000028v03_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Fig.24-95: Parts RKL4309

Connection Cables

RKL4310**RKL4310**

Plug-in connector for motor

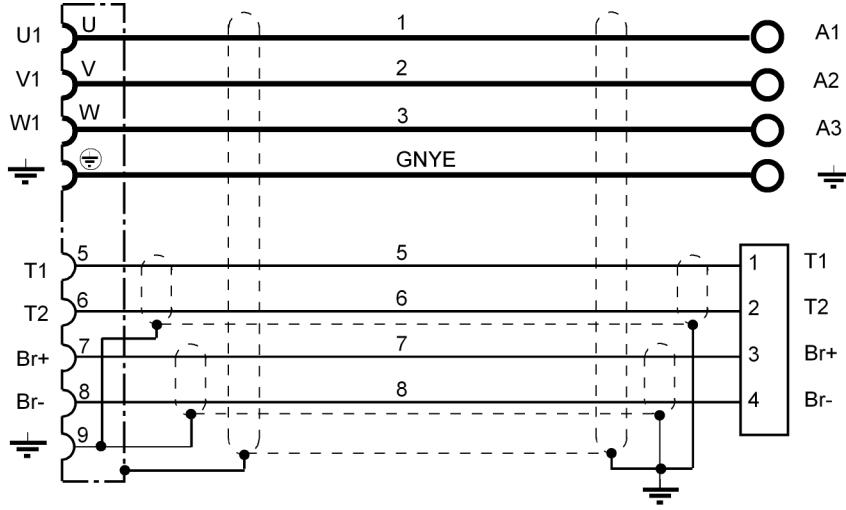
RLS1201/C04

Bulk cable

INK0602

Plug-in connector for controller

RLS0723/K03

Interconnection diagram

KA000029v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Fig.24-96: Parts RKL4310

Connection Cables

RKL4311

RKL4311

Plug-in connector
for motor

RLS1201/C03

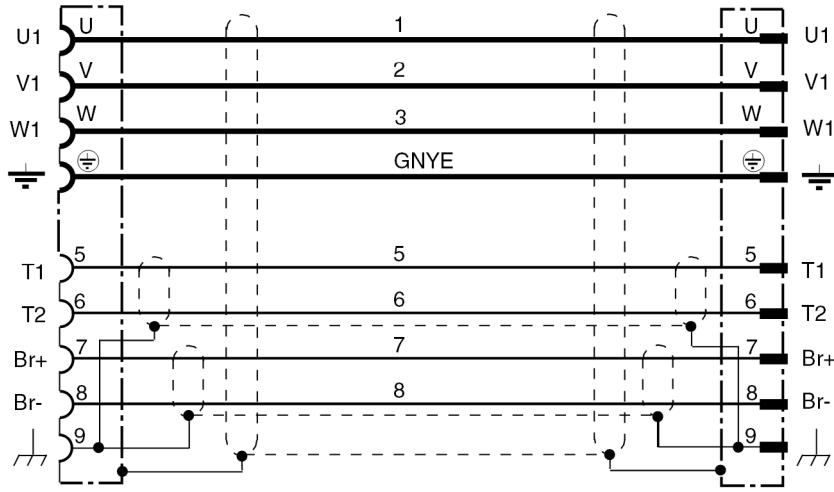
Bulk cable

INK0650

Connector

RLS1202/C03

Interconnection diagram



KA000030v02_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-97: Parts RKL4311

Connection Cables

RKL4312**RKL4312**

**Plug-in connector
for motor**

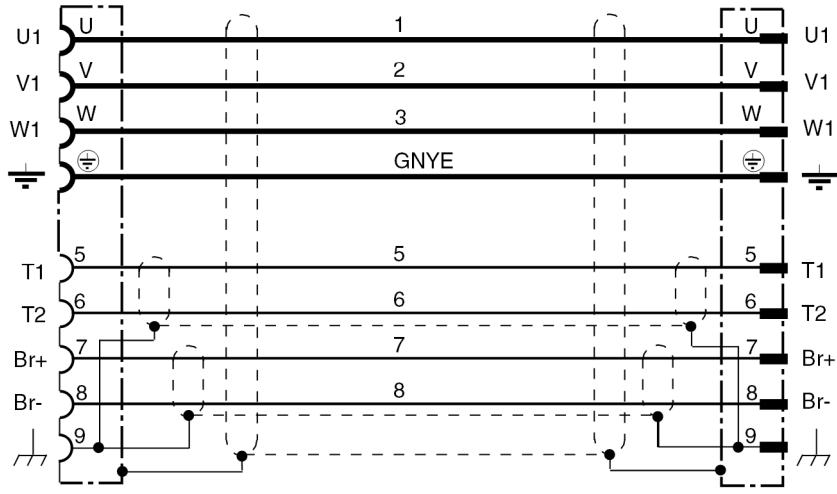
RLS1201/C04

Bulk cable

INK0602

Connector

RLS1202/C04

Interconnection diagram

KA000030v02_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE
 1.0 mm² wires 5, 6, 7, 8
Fig.24-98: Parts RKL4312

RKL4313

RKL4313

Plug-in connector
for motor

RLS1201/C04

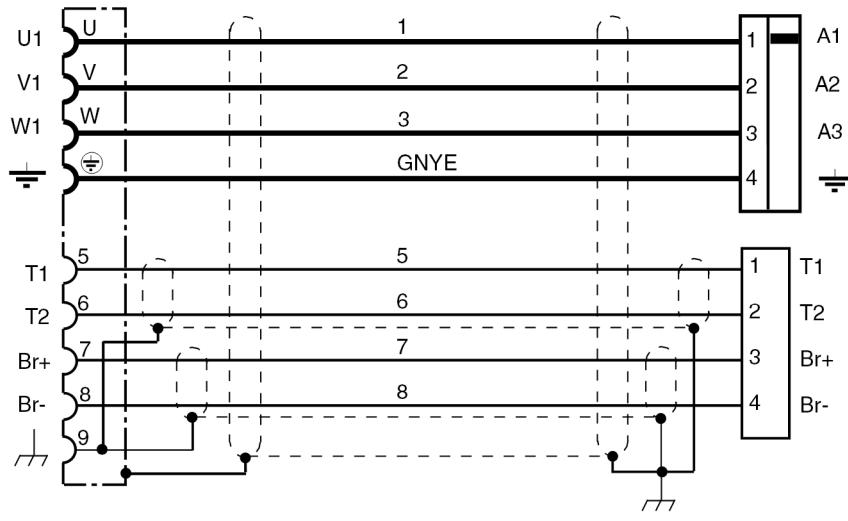
Bulk cable

INK0603

Plug-in connector
for controller

RLS0722/K04

Interconnection diagram



KA000028v03_nn.fh11

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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Fig.24-99: Parts RKL4313

Connection Cables

RKL4314**RKL4314**

**Plug-in connector
for motor**

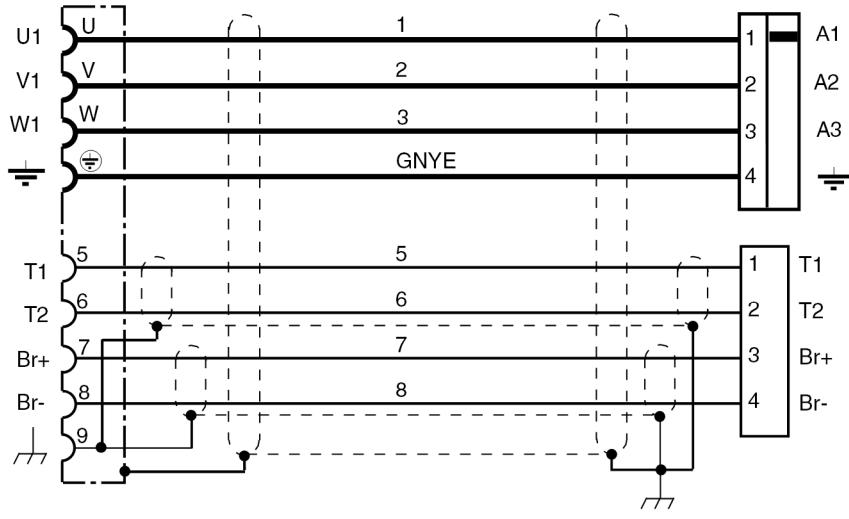
RLS1201/C04

Bulk cable

INK0603

**Plug-in connector
for controller**

RLS0721/K04

Interconnection diagram

KA000028v03_nn.fh11

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- | | |
|---------------------|---------------------|
| 4.0 mm ² | wires 1, 2, 3, GNYE |
| 1.0 mm ² | wires 5, 6 |
| 1.5 mm ² | wires 7, 8 |
- Fig.24-100: Parts RKL4314*

RKL4315

RKL4315

Plug-in connector
for motor

RLS1201/C04

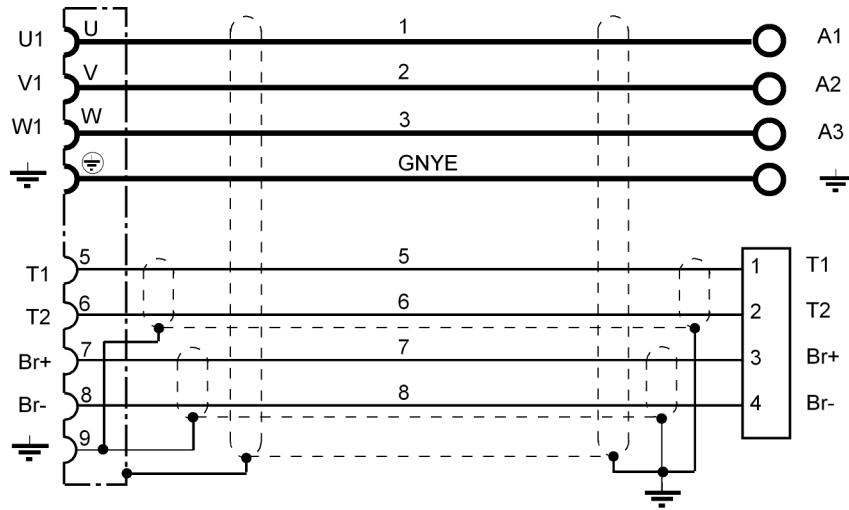
Bulk cable

INK0603

Plug-in connector
for controller

RLS0723/K04

Interconnection diagram



KA000029v01_nn.fh11

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4.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-101: Parts RKL4315

Connection Cables

RKL4316**RKL4316**

**Plug-in connector
for motor**

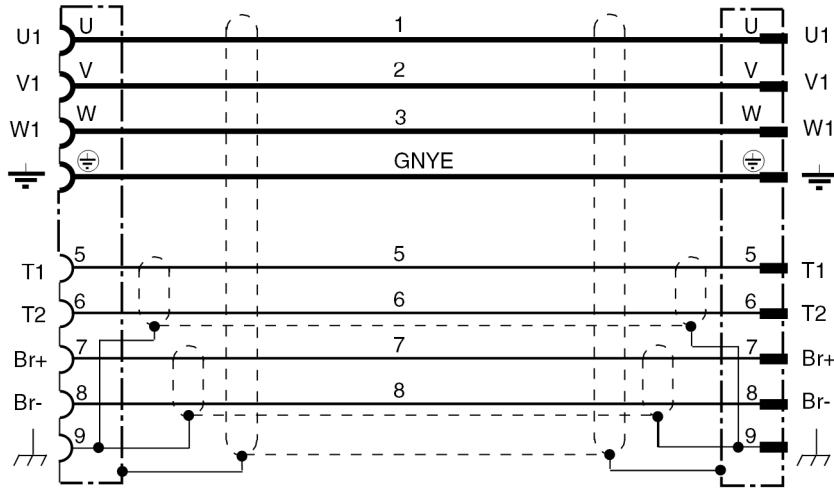
RLS1201/C04

Bulk cable

INK0603

Connector

RLS1202/C04

Interconnection diagram

KA000030v02_nn.fh11

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- | | |
|---------------------|---------------------|
| 4.0 mm ² | wires 1, 2, 3, GNYE |
| 1.0 mm ² | wires 5, 6 |
| 1.5 mm ² | wires 7, 8 |

Fig.24-102: *Parts RKL4316*

Connection Cables

RKL4317

RKL4317

Plug-in connector
for motor

RLS1201/C06

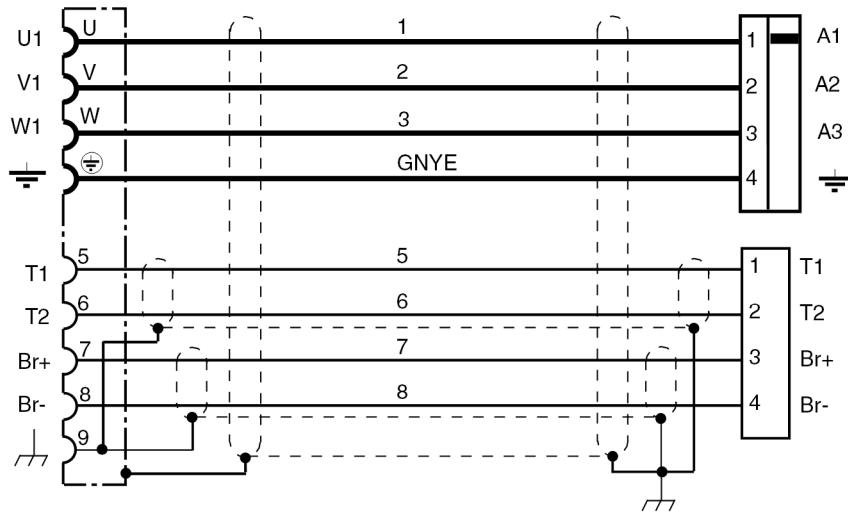
Bulk cable

INK0604

Plug-in connector
for controller

RLS0721/K06

Interconnection diagram



KA000028v03_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-103: Parts RKL4317

Connection Cables

RKL4318**RKL4318**

Plug-in connector for motor

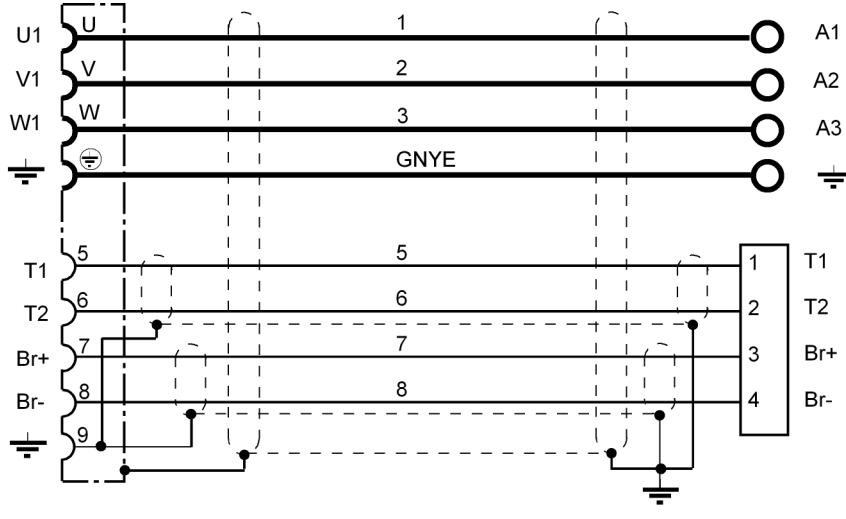
RLS1201/C06

Bulk cable

INK0604

Plug-in connector for controller

RLS0723/K06

Interconnection diagram

KA000029v01_nn.fh11

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6.0 mm ²	wires 1, 2, 3, GNEY
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-104: Parts RKL4318

Connection Cables

RKL4319

RKL4319

Plug-in connector
motor

RLS1201/C06

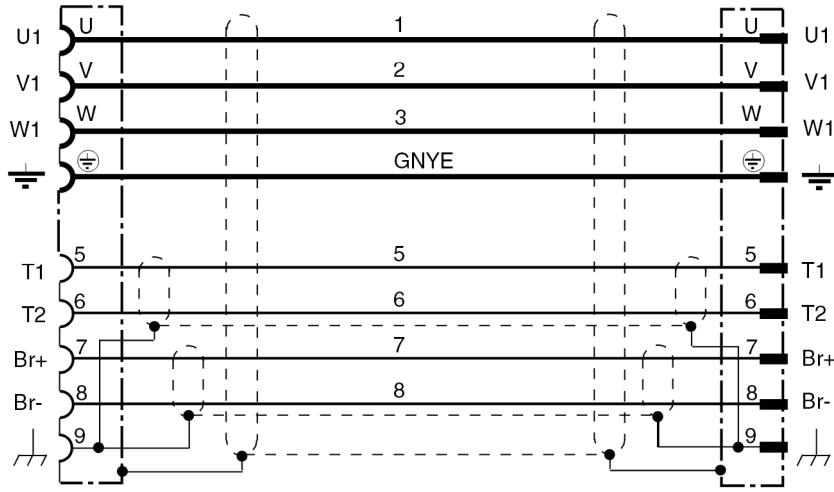
Bulk cable

INK0604

Connector

RLS1202/C06

Interconnection diagram



KA000030v02_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-105: Parts RKL4319

Connection Cables

RKL4320**RKL4320**

**Plug-in connector
for motor**

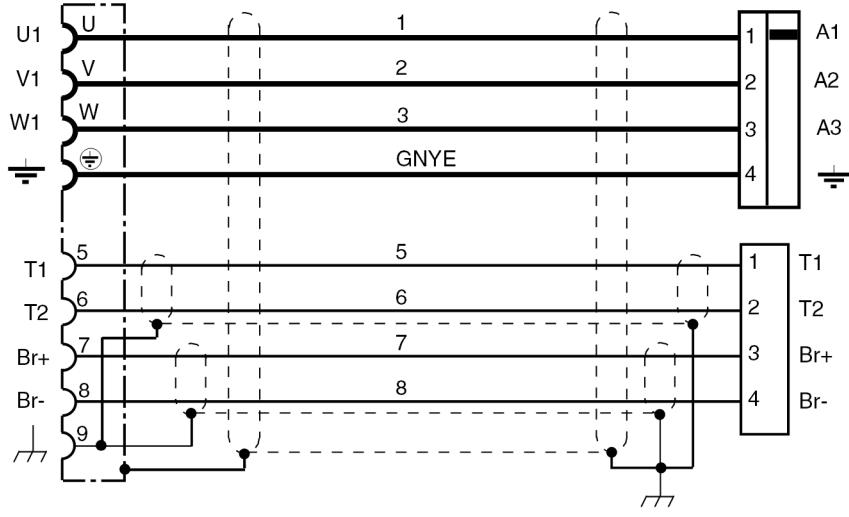
RLS1301/C03

Bulk cable

INK0650

**Plug-in connector
for controller**

RLS0721/K02

Interconnection diagram

KA000028v03_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
Fig.24-106: Parts RKL4320

Connection Cables

RKL4321

RKL4321

Plug-in connector
for motor

RLS1301/C03

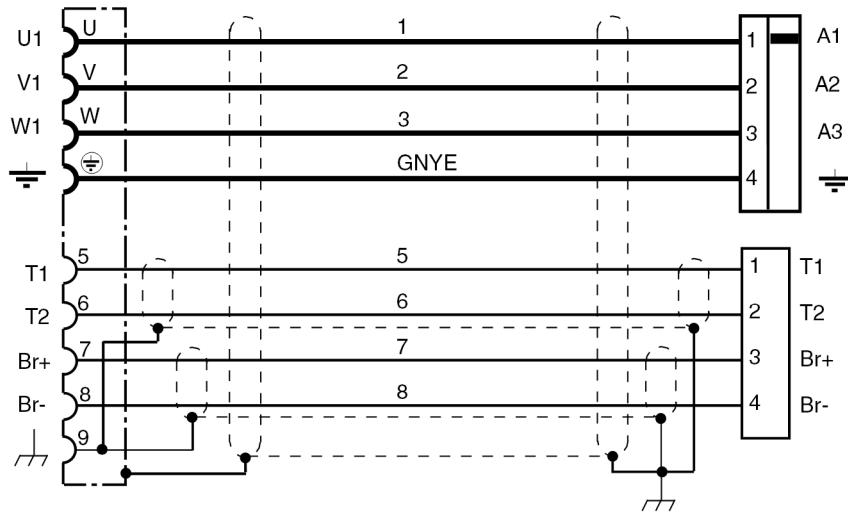
Bulk cable

INK0602

Plug-in connector
for controller

RLS0721/K03

Interconnection diagram



KA000028v03_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6, 7, 8

Fig.24-107: Parts RKL4321

Connection Cables

RKL4322**RKL4322**

**Plug-in connector
for motor**

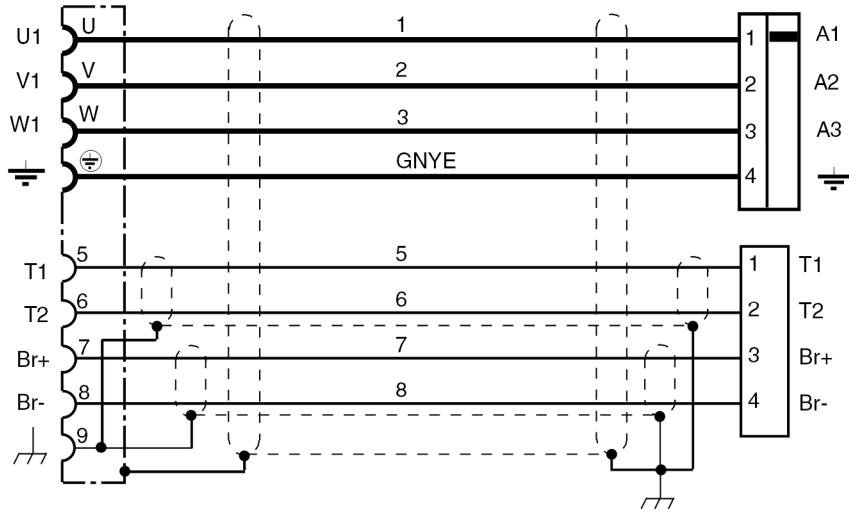
RLS1301/C04

Bulk cable

INK0603

**Plug-in connector
for controller**

RLS0721/K04

Interconnection diagram

KA000028v03_nn.fh11

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- | | |
|---------------------|---------------------|
| 4.0 mm ² | wires 1, 2, 3, GNYE |
| 1.0 mm ² | wires 5, 6 |
| 1.5 mm ² | wires 7, 8 |

Fig.24-108: *Parts RKL4322*

Connection Cables

RKL4323

RKL4323

Plug-in connector
for motor

RLS1301/C06

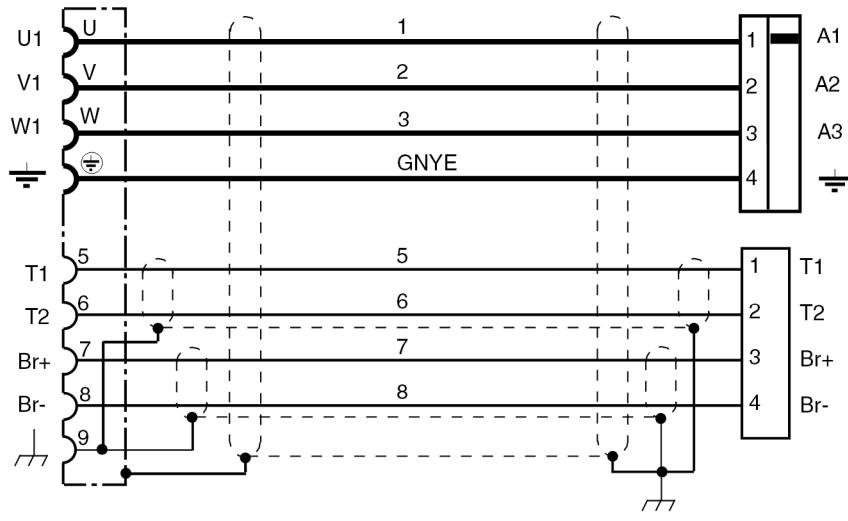
Bulk cable

INK0604

Plug-in connector
for controller

RLS0721/K06

Interconnection diagram



KA000028v03_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Fig.24-109: Parts RKL4323

Connection Cables

RKL4324**RKL4324**

**Plug-in connector
for motor**

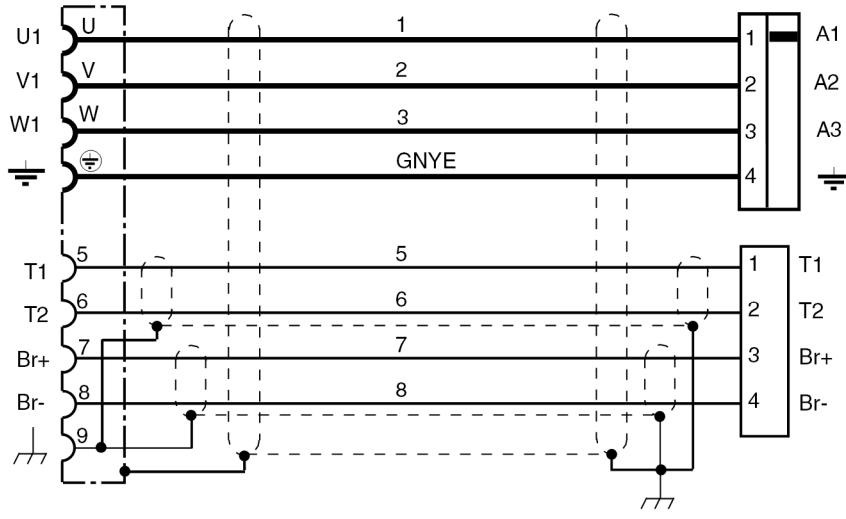
RLS1301/C10

Bulk cable

INK0605

**Plug-in connector
for controller**

RLS0721/K10

Interconnection diagram

KA000028v03_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-110: Parts RKL4324

Connection Cables

RKL4325

RKL4325

Plug-in connector
for motor

RLS1301/C03

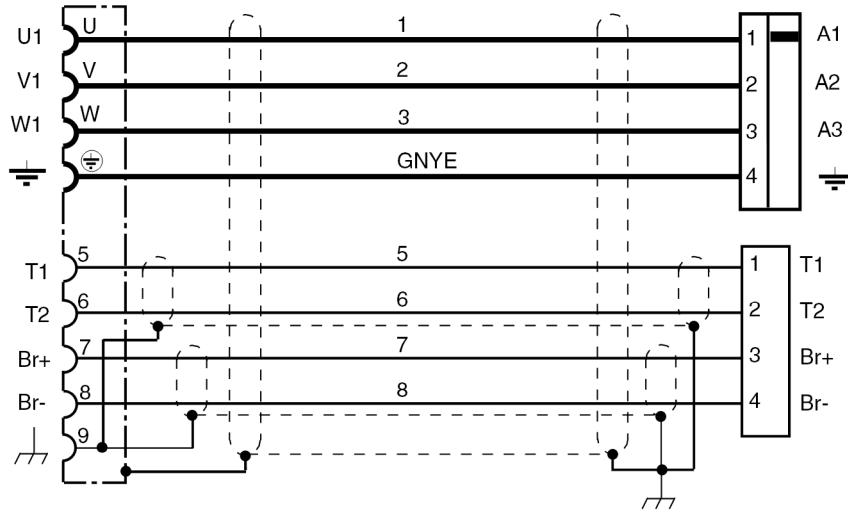
Bulk cable

INK0650

Plug-in connector
for controller

RLS0722/K02

Interconnection diagram



KA000028v03_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-111: Parts RKL4325

Connection Cables

RKL4326**RKL4326**

**Plug-in connector
for motor**

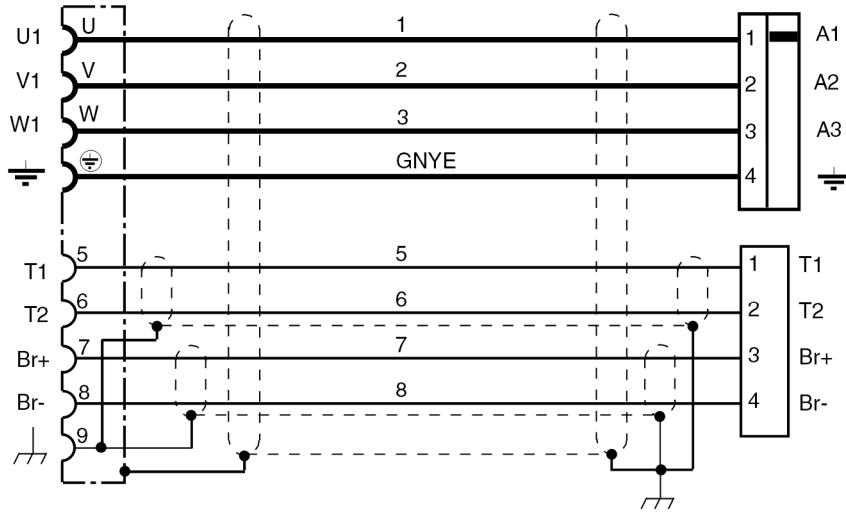
RLS1301/C03

Bulk cable

INK0602

**Plug-in connector
for controller**

RLS0722/K03

Interconnection diagram

KA000028v03_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-112: Parts RKL4326

Connection Cables

RKL4327

RKL4327

Plug-in connector
for motor

RLS1301/C06

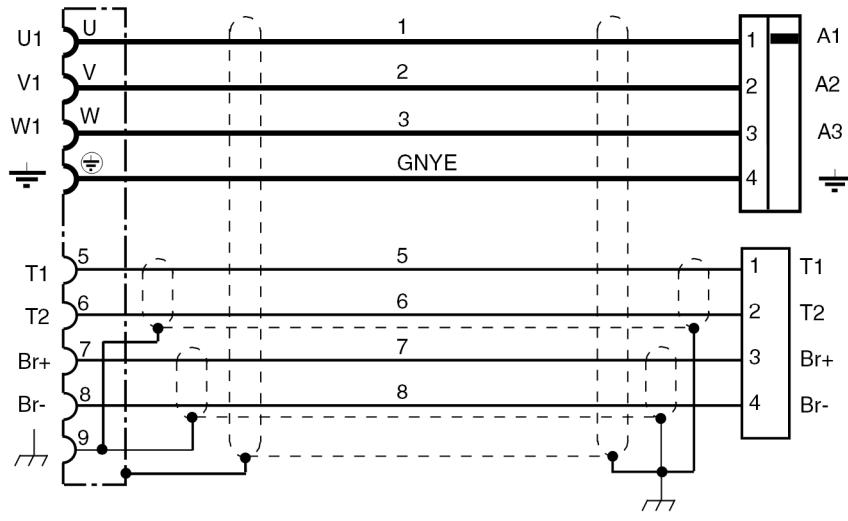
Bulk cable

INK0603

Plug-in connector
for controller

RLS0722/K04

Interconnection diagram



KA000028v03_nn.fh11

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4.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-113: Parts RKL4327

Connection Cables

RKL4328**RKL4328**

Plug-in connector for motor

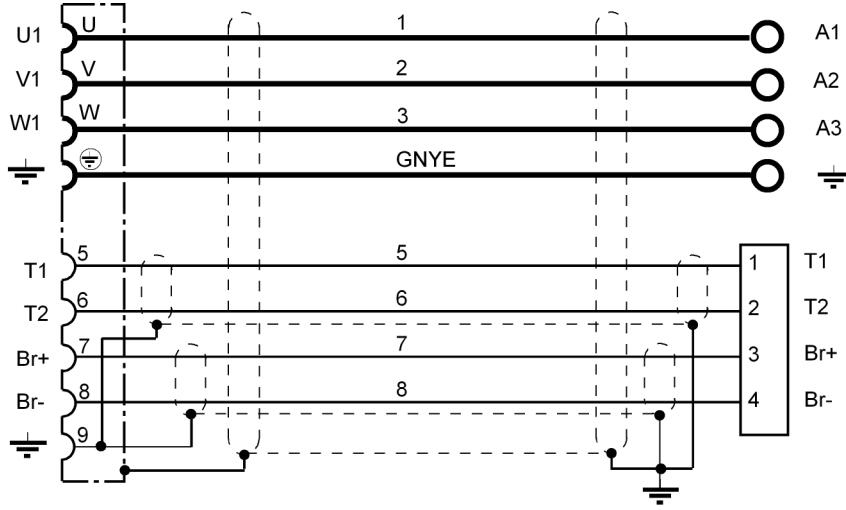
RLS1301/C06

Bulk cable

INK0604

Plug-in connector for controller

RLS0723/K06

Interconnection diagram

KA000029v01_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-114: Parts RKL4328

Connection Cables

RKL4329

RKL4329

Plug-in connec-
tor for motor

RLS1301/C10

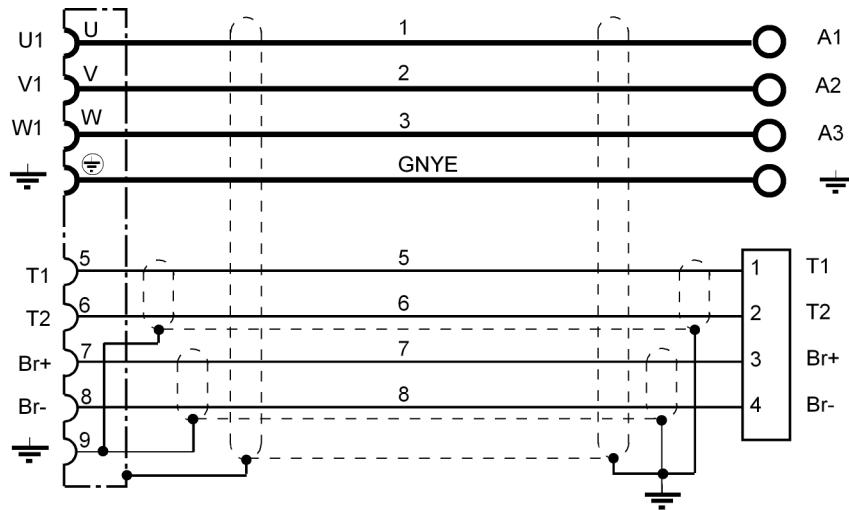
Bulk cable

INK0605

Plug-in connec-
tor for controller

RLS0723/K10

Interconnection diagram



KA000029v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-115: Parts RKL4329

Connection Cables

RKL4330**RKL4330**

Plug-in connector for motor

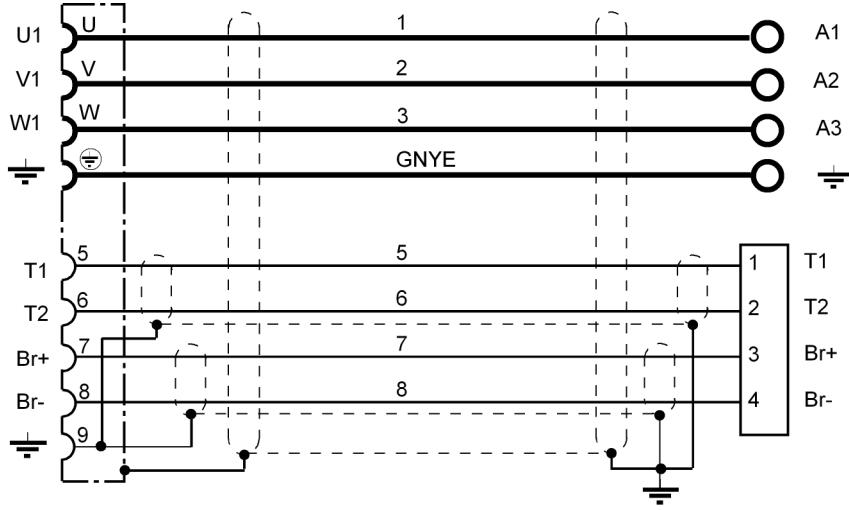
RLS1301/C16

Bulk cable

INK0606

Plug-in connector for controller

RLS0723/K16

Interconnection diagram

KA000029v01_nn.fh11

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16.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-116: Parts RKL4330

Connection Cables

RKL4331

RKL4331

Plug-in connec-
tor for motor

RLS1301/C25

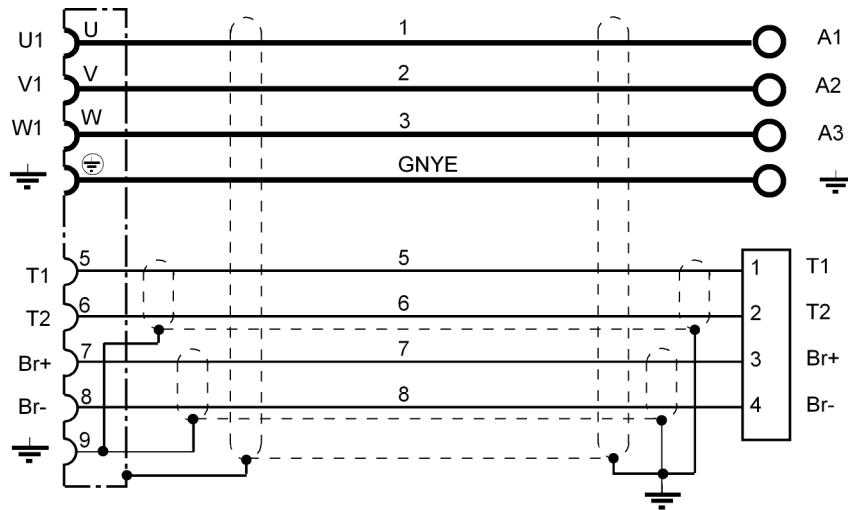
Bulk cable

INK0607

Plug-in connec-
tor for controller

RLS0723/K25

Interconnection diagram



KA000029v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-117: Parts RKL4331

Connection Cables

RKL4332**RKL4332**

Plug-in connector for motor

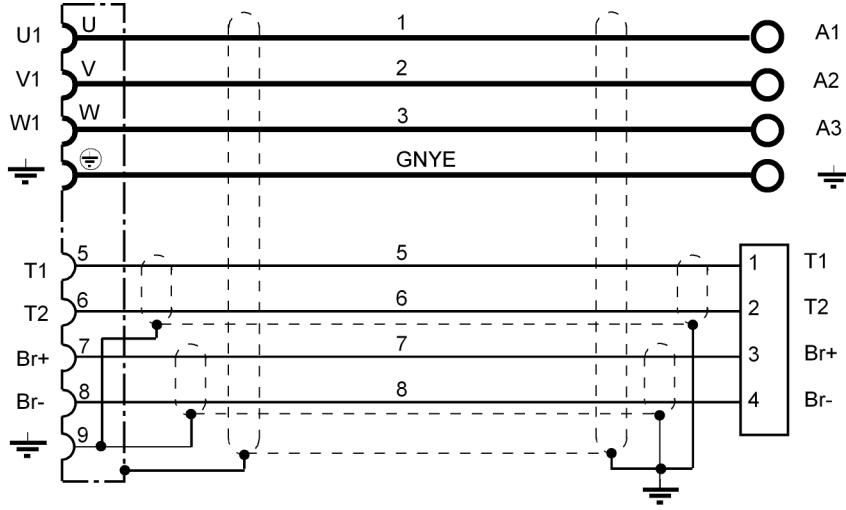
RLS1301/C35

Bulk cable

INK0667

Plug-in connector for controller

RLS0723/K35

Interconnection diagram

KA000029v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-118: Parts RKL4332

RKL4333

RKL4333

Plug-in connec-
tor for motor

RLS1301/C25

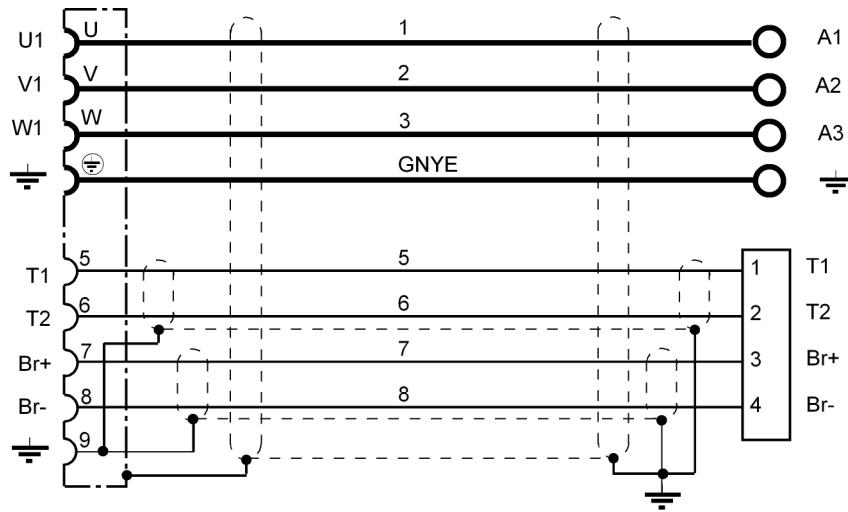
Bulk cable

INK0607

Plug-in connec-
tor for controller

RLS0724/K25

Interconnection diagram



KA000029v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-119: Parts RKL4333

Connection Cables

RKL4334**RKL4334**

Plug-in connector for motor

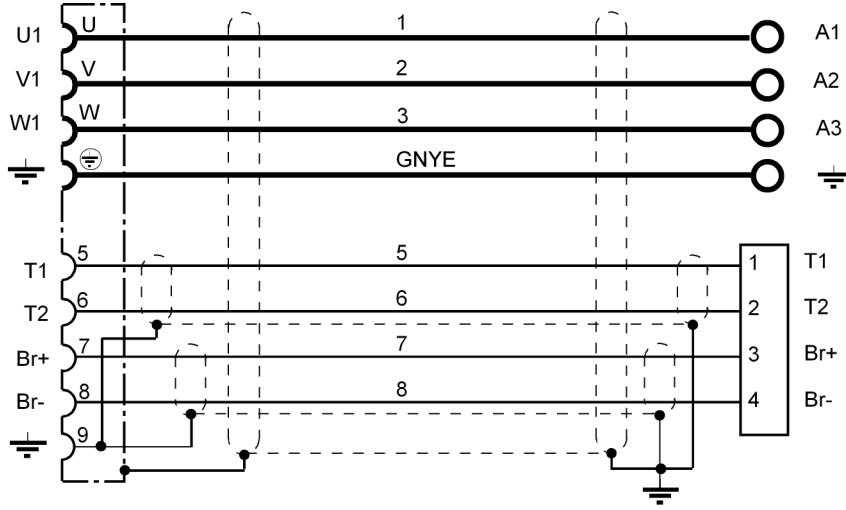
RLS1301/C35

Bulk cable

INK0667

Plug-in connector for controller

RLS0724/K35

Interconnection diagram

KA000029v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-120: Parts RKL4334

Connection Cables

RKL4335

RKL4335

Plug-in connector
for motor

RLS1301/C03

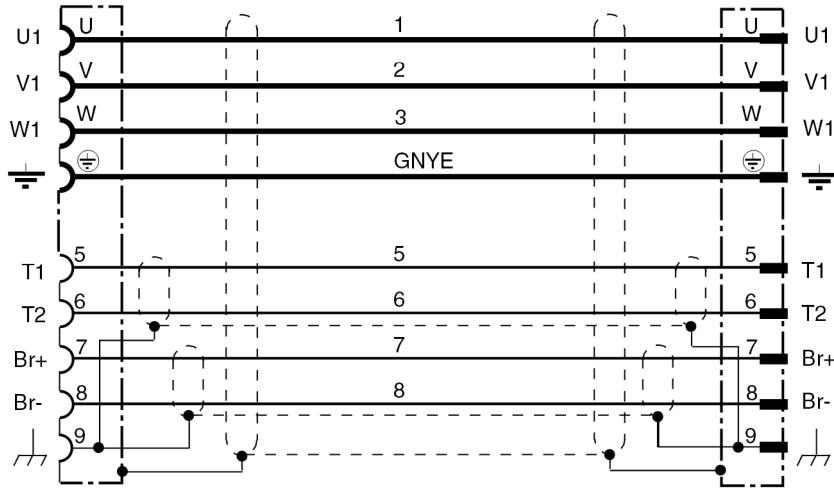
Bulk cable

INK0650

Connector

RLS1302/C03

Interconnection diagram



KA000030v02_nn.fh11

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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-121: Parts RKL4335

Connection Cables

RKL4336**RKL4336**

**Plug-in connector
for motor**

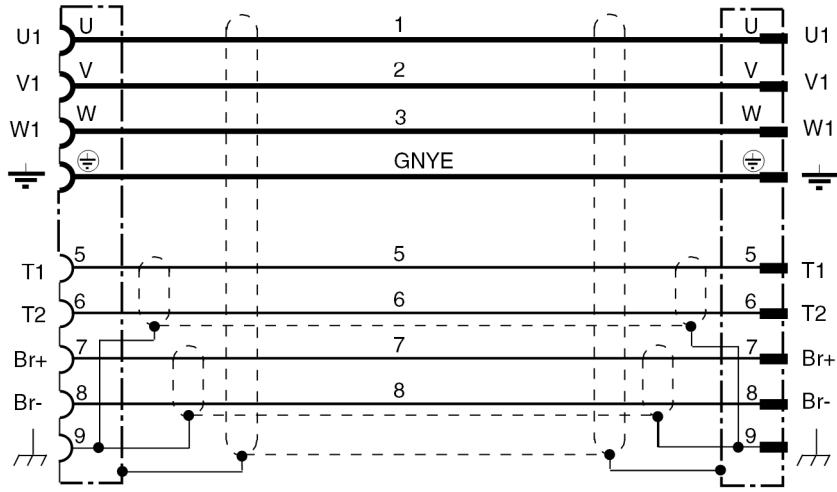
RLS1301/C03

Bulk cable

INK0602

Connector

RLS1302/C03

Interconnection diagram

KA000030v02_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-122: Parts RKL4336

Connection Cables

RKL4337

RKL4337

Plug-in connector
for motor

RLS1301/C06

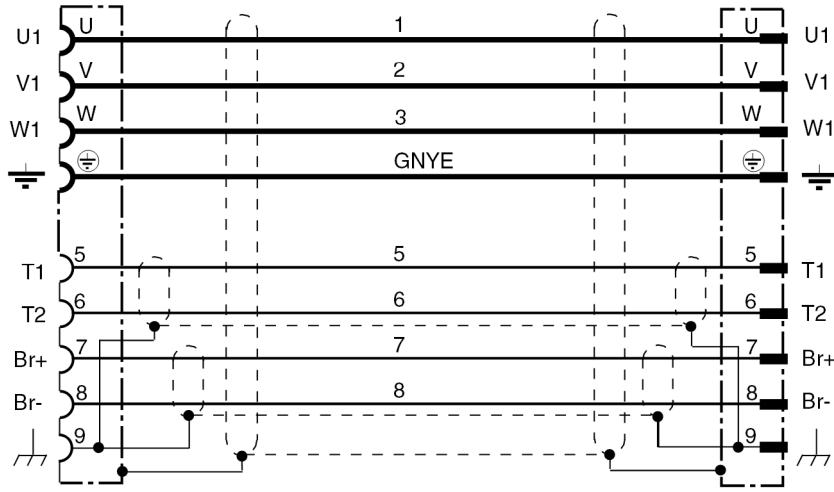
Bulk cable

INK0603

Connector

RLS1302/C06

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-123: Parts RKL4337

Connection Cables

RKL4338**RKL4338**

**Plug-in connector
for motor**

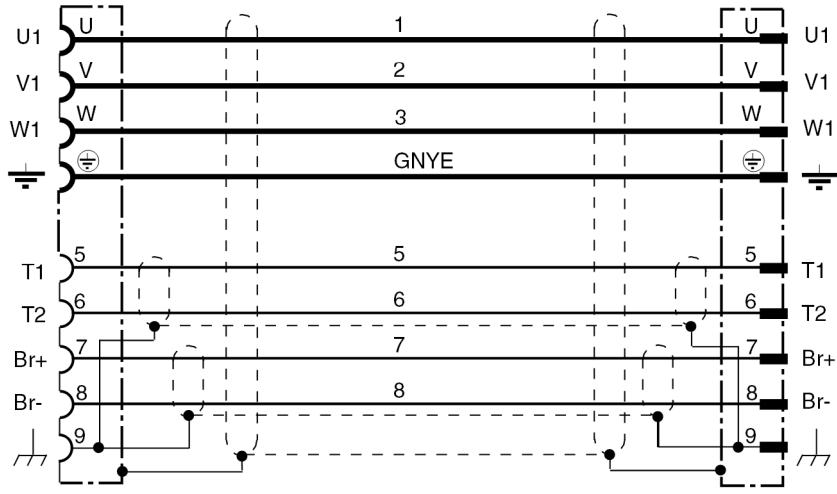
RLS1301/C06

Bulk cable

INK0604

Connector

RLS1302/C06

Interconnection diagram

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6.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8Fig.24-124: *Parts RKL4338*

Connection Cables

RKL4339

RKL4339

Plug-in connector
for motor

RLS1301/C10

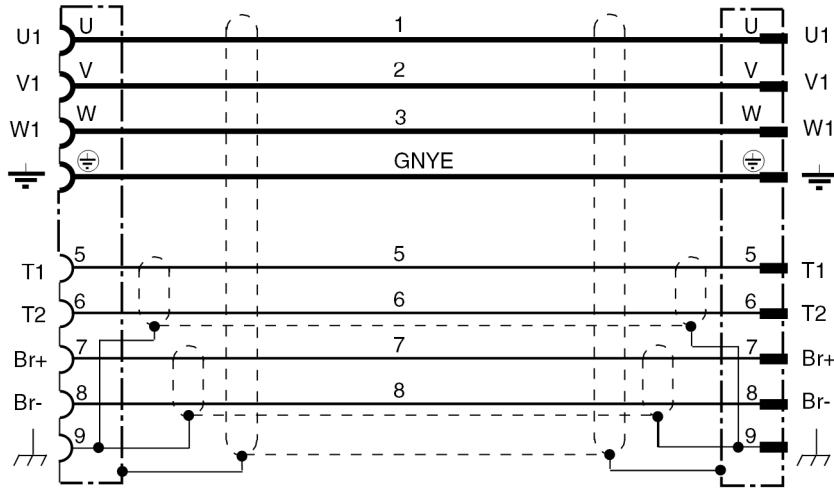
Bulk cable

INK0605

Connector

RLS1302/C10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-125: Parts RKL4339

Connection Cables

RKL4340**RKL4340**

**Plug-in connector
for motor**

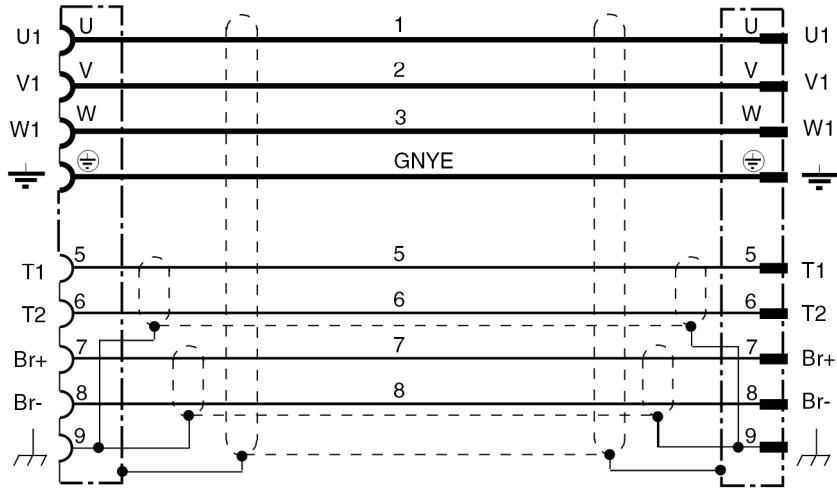
RLS1301/C16

Bulk cable

INK0606

Connector

RLS1302/C16

Interconnection diagram

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16.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-126: Parts RKL4340

Connection Cables

RKL4341

RKL4341

Plug-in connector
for motor

RLS1301/C25

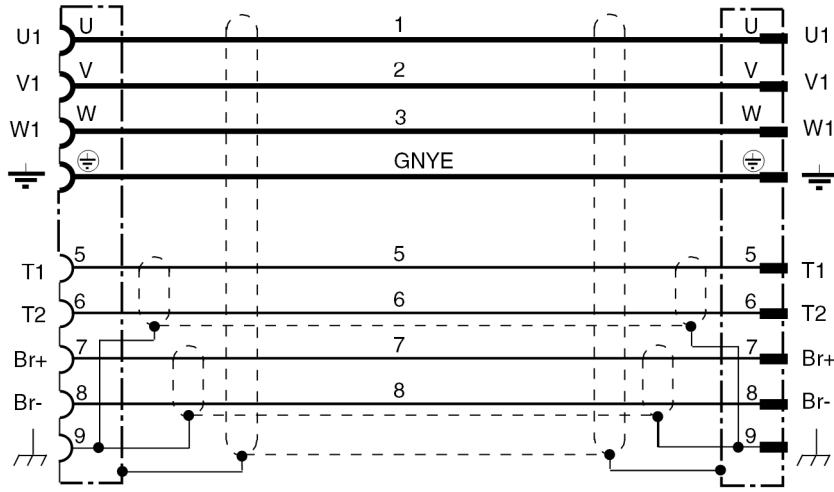
Bulk cable

INK0607

Connector

RLS1302/C25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-127: Parts RKL4341

Connection Cables

RKL4342**RKL4342**

**Plug-in connector
for motor**

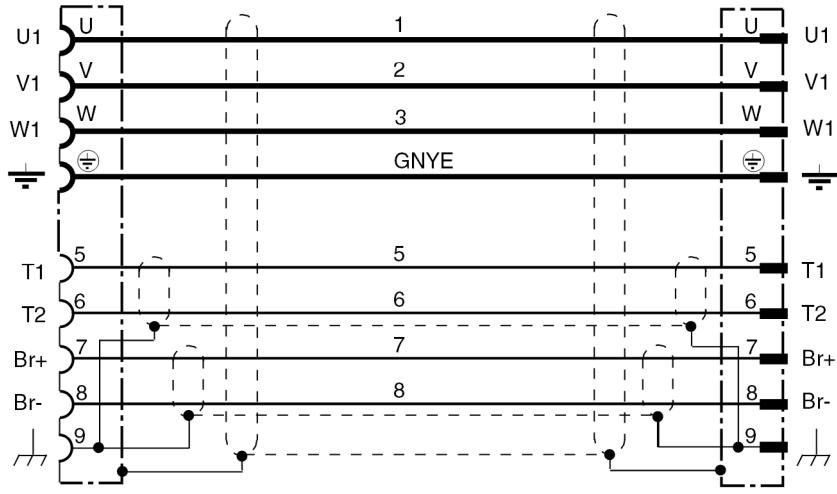
RLS1301/C35

Bulk cable

INK0667

Connector

RLS1302/C35

Interconnection diagram

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35.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-128: Parts RKL4342

RKL4343

RKL4343

Plug-in connector for motor

RLS1301/C03

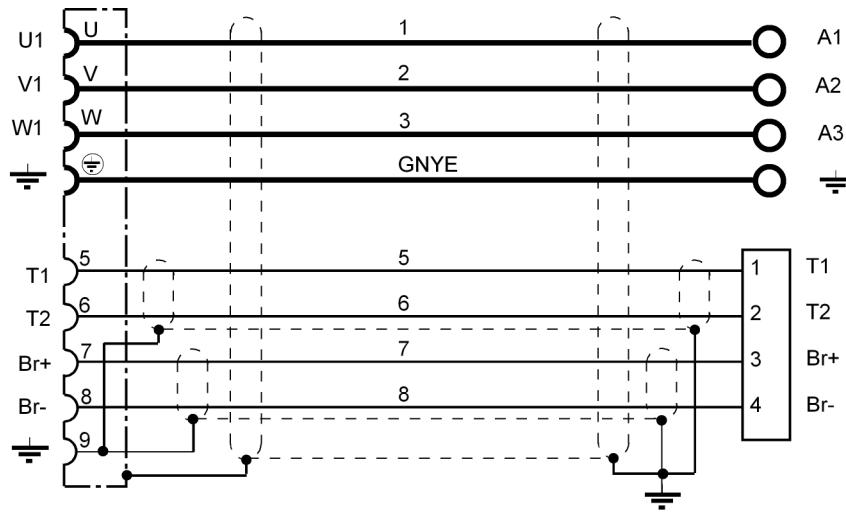
Bulk cable

INK0602

Plug-in connector for controller

RLS0723/K03

Interconnection diagram



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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Fig.24-129: Parts RKL4343

Connection Cables

RKL4344**RKL4344**

**Plug-in connector
for motor**

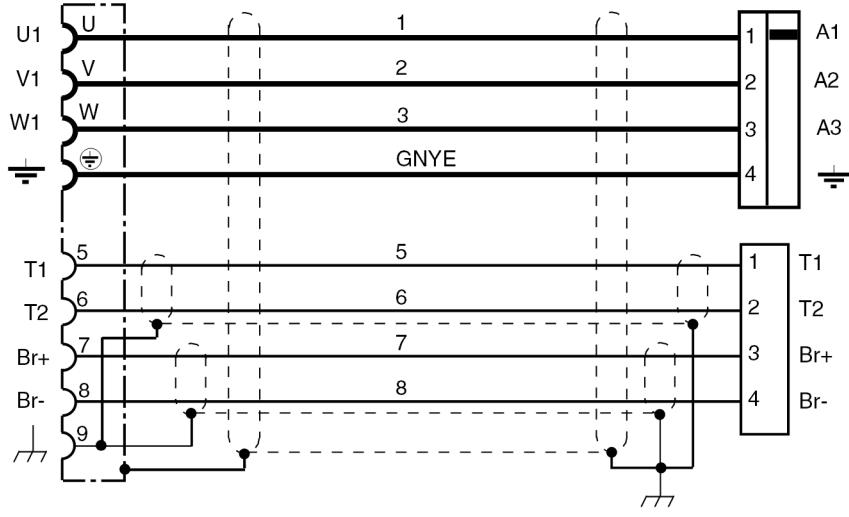
RLS1301/C16

Bulk cable

INK0606

**Plug-in connector
for controller**

RLS0721/K16

Interconnection diagram

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16.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-130: Parts RKL4344

Connection Cables

RKL4345

RKL4345

Plug-in connector
for motor

RLS1108/C03

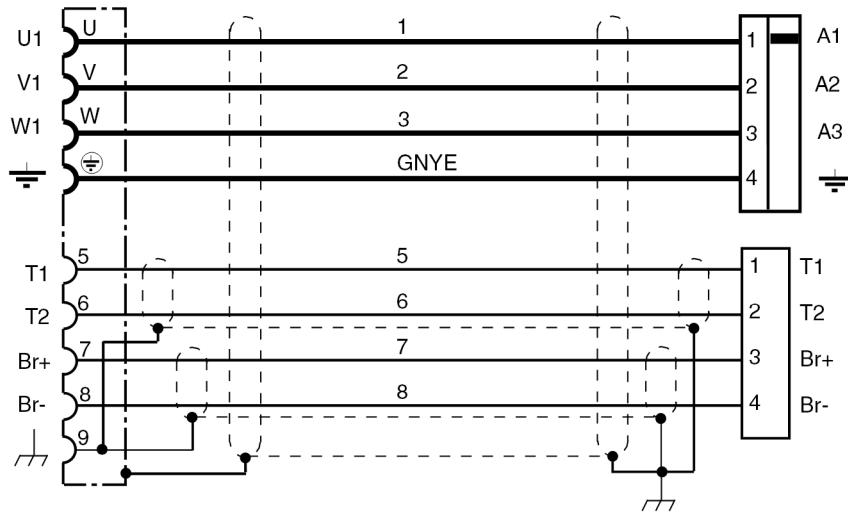
Bulk cable

INK0602

Plug-in connector
for controller

RLS0722/K03

Interconnection diagram



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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Fig.24-131: Parts RKL4345

Connection Cables

RKL4346**RKL4346**

**Plug-in connector
for motor**

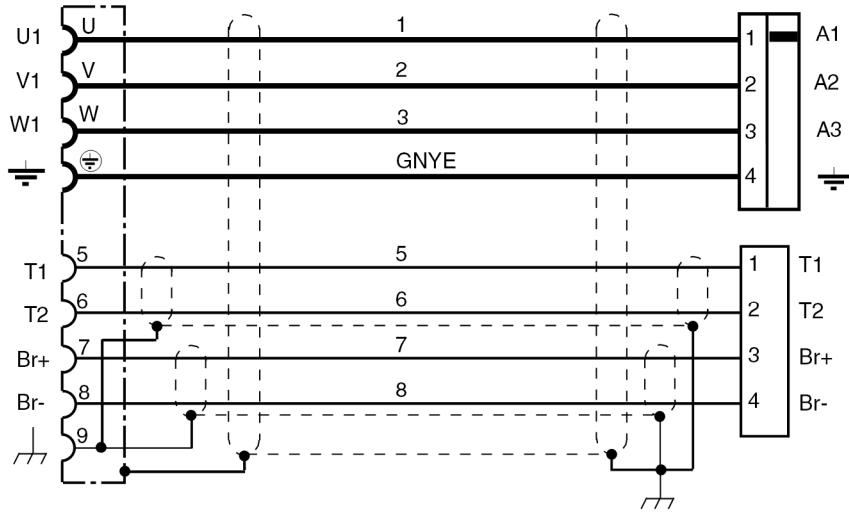
RLS1108/C03

Bulk cable

INK0602

**Plug-in connector
for controller**

RLS0721/K03

Interconnection diagram

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-132: Parts RKL4346

Connection Cables

RKL4347

RKL4347

Plug-in connector
for motor

RLS1108/C03

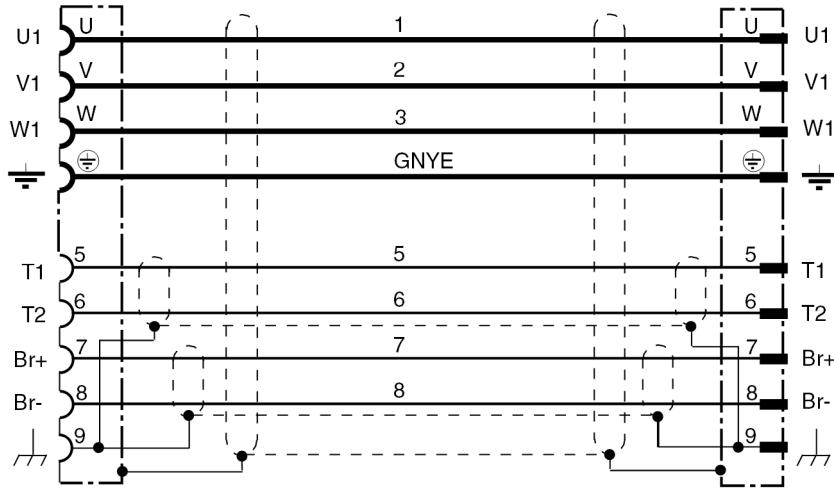
Bulk cable

INK0602

Connector

RLS1109/C03

Interconnection diagram



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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Fig.24-133: Parts RKL4347

Connection Cables

RKL4349**RKL4349**

Plug-in connector for motor

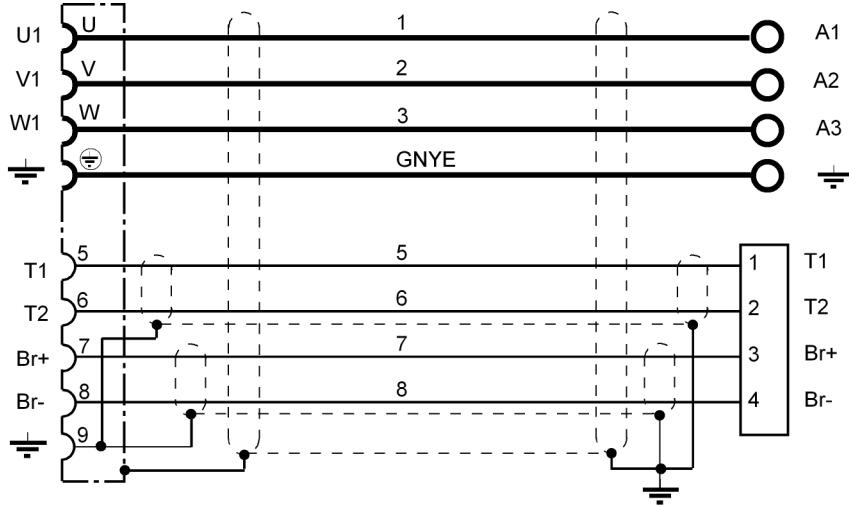
RLS1301/C16

Bulk cable

INK0606

Plug-in connector for controller

RLS0724/K16

Interconnection diagram

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16.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-134: Parts RKL4349

Connection Cables

RKL44xx

RKL4439

RKL4439

Plug-in connector
for motor

RLK0005

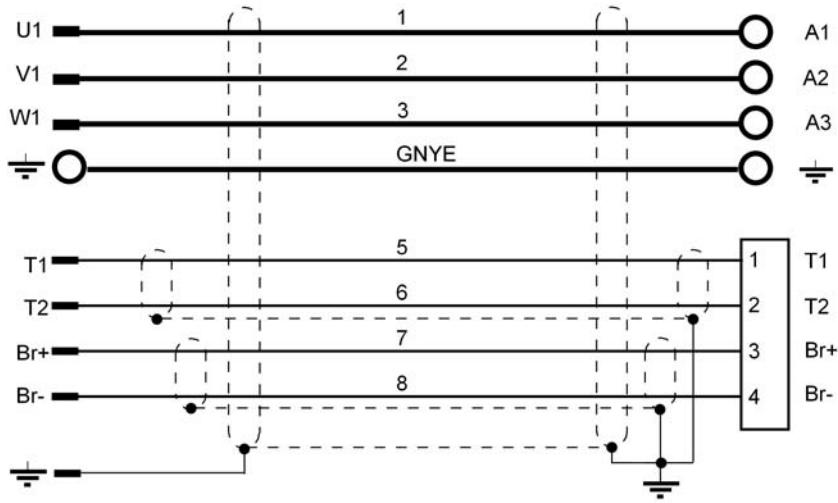
Bulk cable

INK0607

Plug-in connector
for controller

RLS0724/K25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-135: Parts RKL4339

Connection Cables

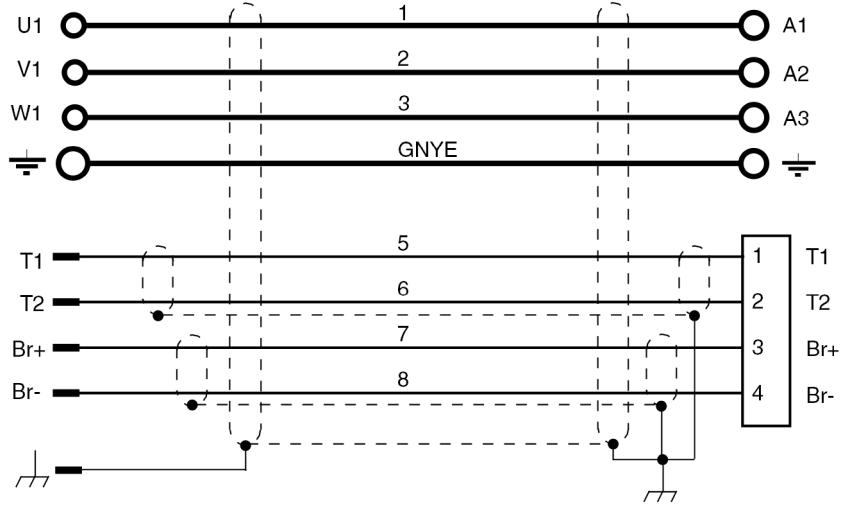
RKL4457**RKL4457**Plug-in connector
for motor**Bulk cable**

RLK0006

INK0607

Plug-in connector
for controller

RLS0724/K25

Interconnection diagram

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25.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-136: Parts RKL4457

RKL4477

RKL4477

Plug-in connector
for motor

RLK0006

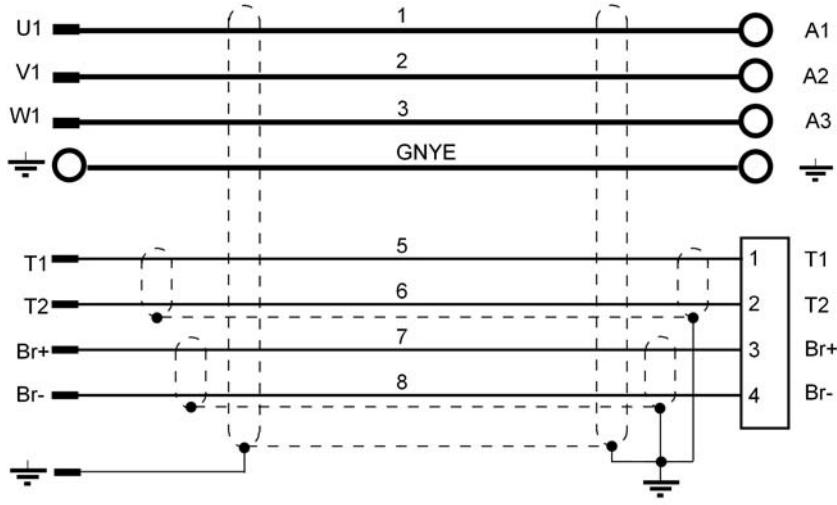
Bulk cable

INK0668

Plug-in connector
for controller

RLS0724/K50

Interconnection diagram



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50.0 mm² wires 1, 2, 3, GNYE
2.5 mm² wires 5, 6, 7, 8
Fig.24-137: Parts RKL4477

Connection Cables

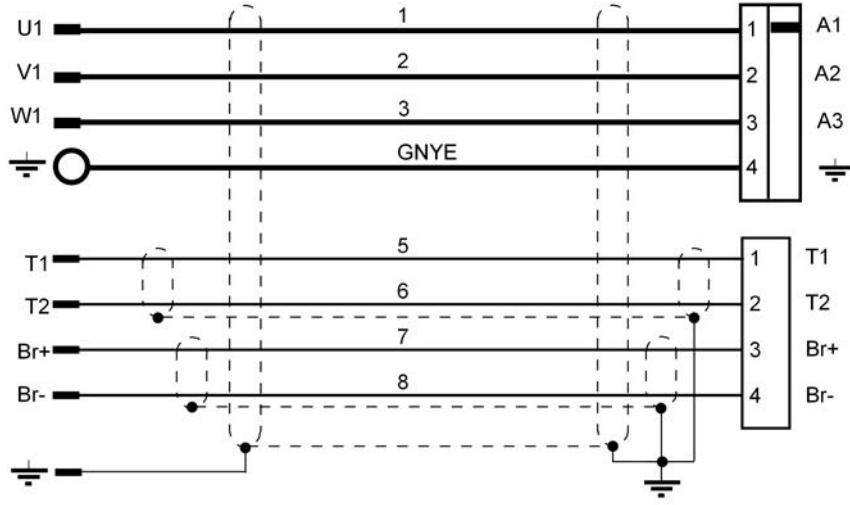
RKL4481**RKL4481**Plug-in connector
for motor**Bulk cable**

RLK0003

INK0602

Plug-in connector
for controller

RLS0722/K03

Interconnection diagram

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-138: Parts RKL4481

Connection Cables

RKL4482

RKL4482

Plug-in connector
for motor

RLK0003

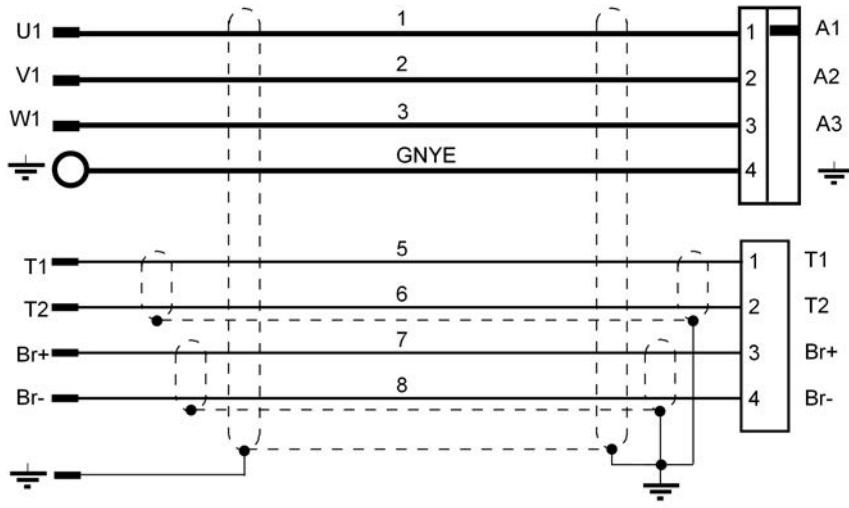
Bulk cable

INK0603

Plug-in connector
for controller

RLS0721/K04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-139: Parts RKL4482

Connection Cables

RKL4483**RKL4483**

**Plug-in connector
for motor**

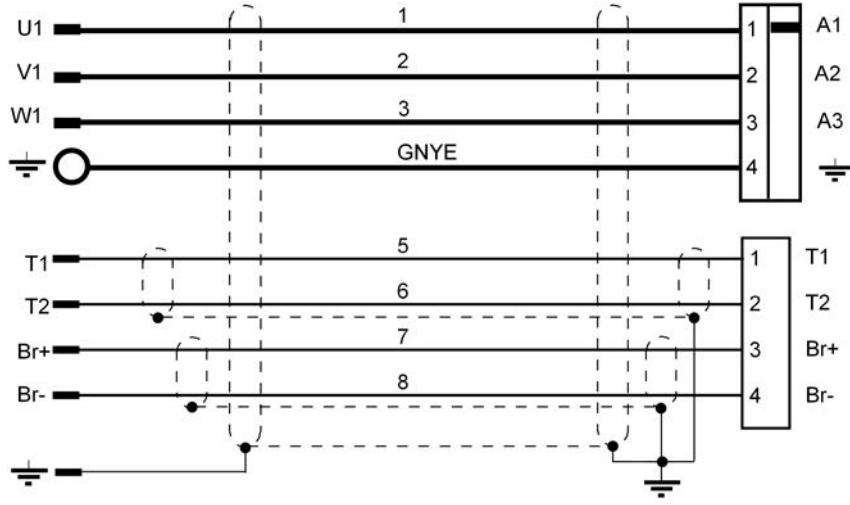
RLK0003

Bulk cable

INK0604

**Plug-in connector
for controller**

RLS0721/K06

Interconnection diagram

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6.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-140: Parts RKL4483

Connection Cables

RKL4484

RKL4484

Plug-in connector
for motor

RLK0003

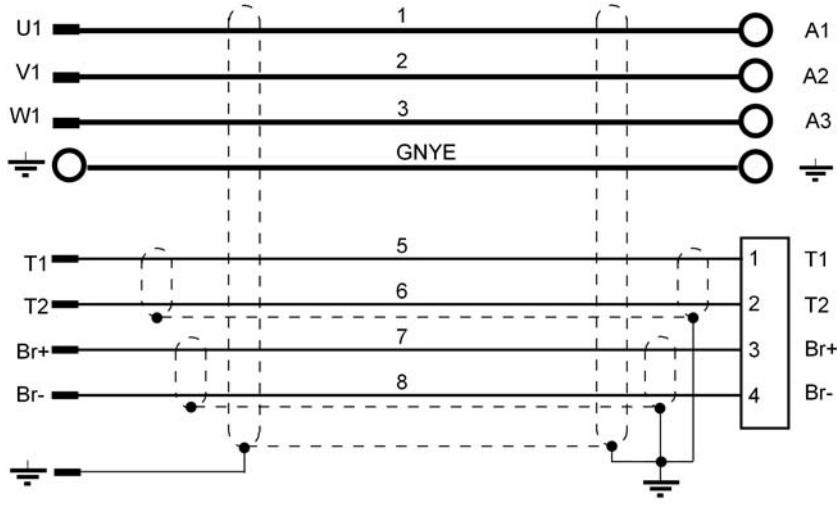
Bulk cable

INK0605

Plug-in connector
for controller

RLS0723/K10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-141: Parts RKL4484

Connection Cables

RKL4485**RKL4485**

**Plug-in connector
for motor**

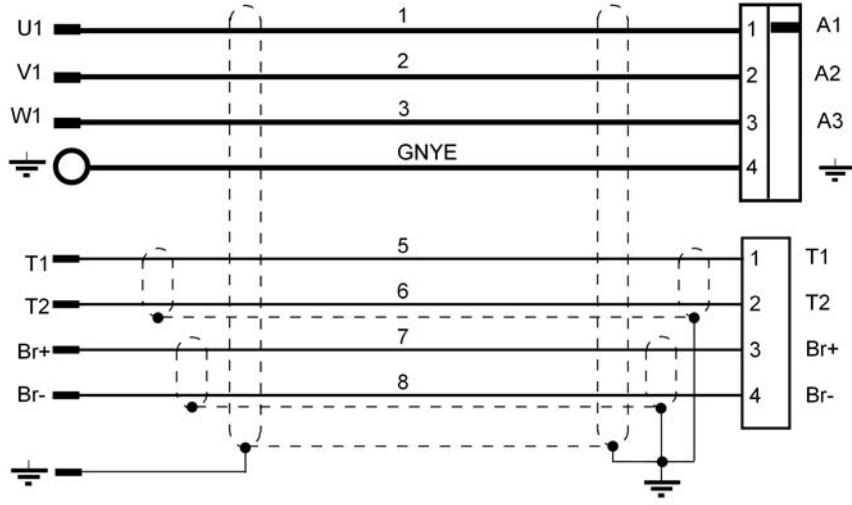
RLK0004

Bulk cable

INK0602

**Plug-in connector
for controller**

RLS0722/K03

Interconnection diagram

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2.5 mm² wires 1, 2, 3, GNYE
 1.0 mm² wires 5, 6, 7, 8
Fig.24-142: Parts RKL4485

Connection Cables

RKL4486

RKL4486

Plug-in connector
for motor

RLK0004

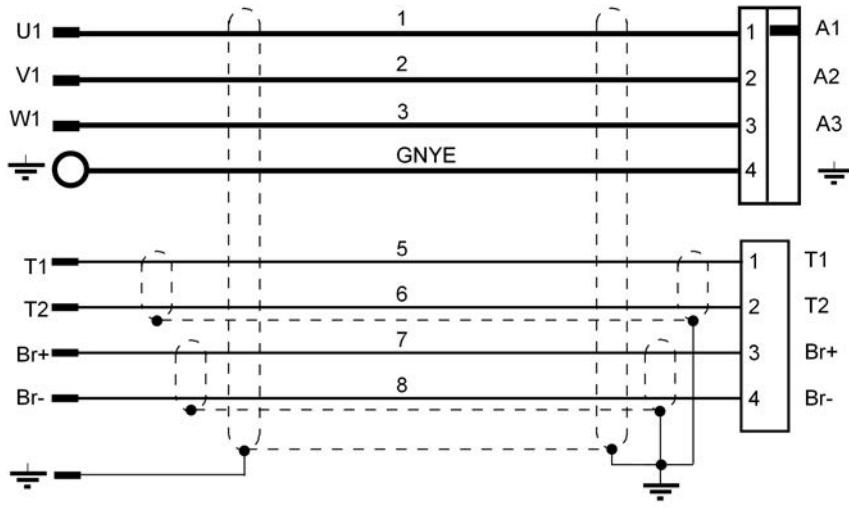
Bulk cable

INK0603

Plug-in connector
for controller

RLS0722/K04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-143: Parts RKL4486

Connection Cables

RKL4487**RKL4487**

**Plug-in connector
for motor**

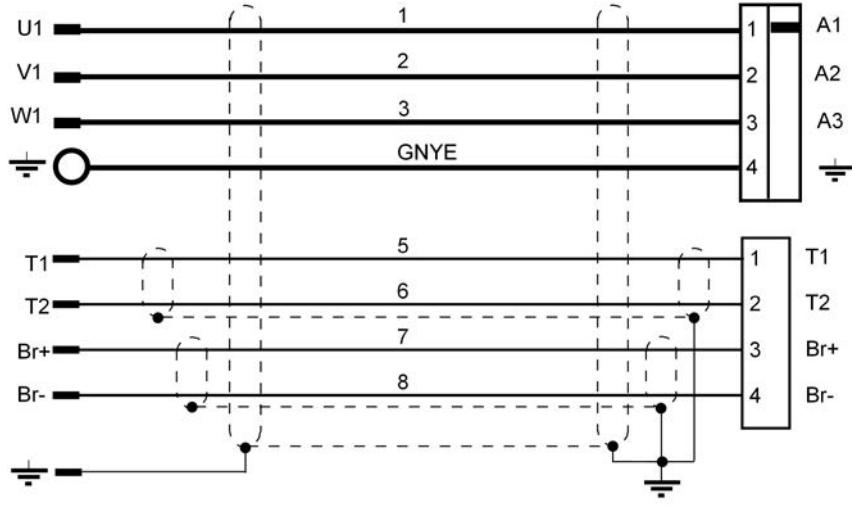
RLK0004

Bulk cable

INK0604

**Plug-in connector
for controller**

RLS0721/K06

Interconnection diagram

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6.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-144: Parts RKL4487

Connection Cables

RKL4488

RKL4488

Plug-in connector
for motor

RLK0004

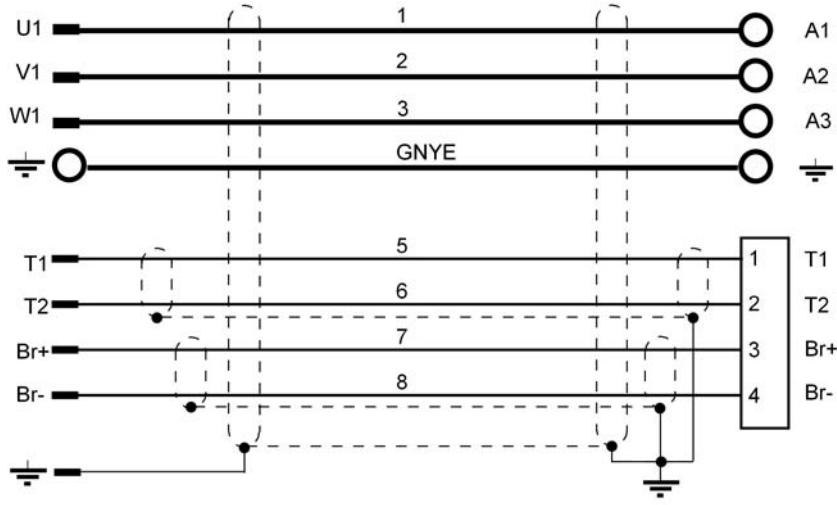
Bulk cable

INK0605

Plug-in connector
for controller

RLS0723/K10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-145: Parts RKL4488

Connection Cables

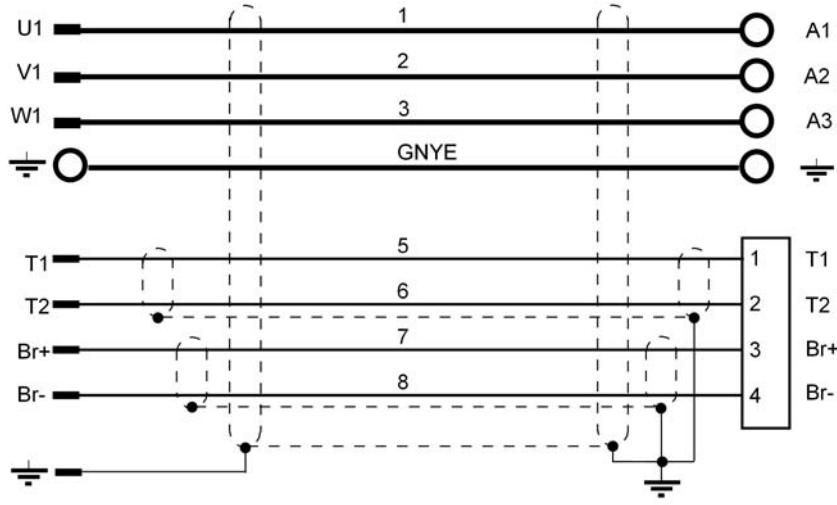
RKL4489**RKL4489**Plug-in connector
for motor**Bulk cable**

RLK0004

INK0606

Plug-in connector
for controller

RLS0723/K16

Interconnection diagram

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16.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-146: Parts RKL4489

RKL4490

RKL4490

Plug-in connector
for motor

RLK0005

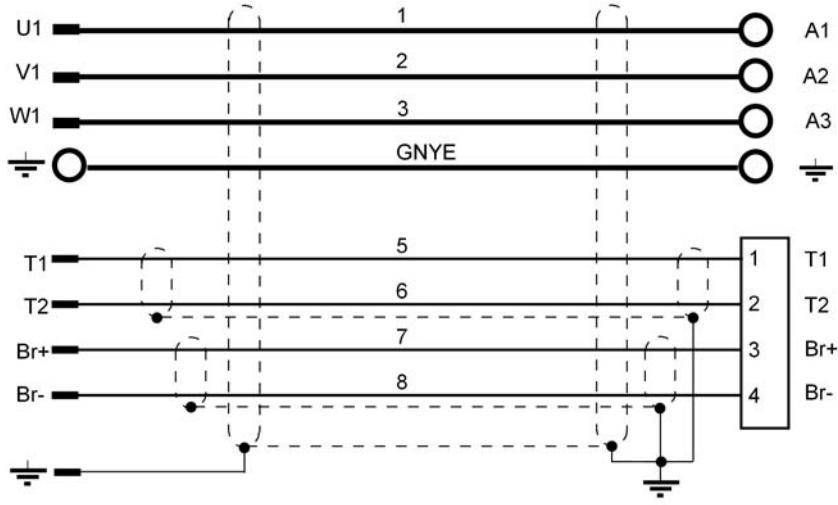
Bulk cable

INK0607

Plug-in connector
for controller

RLS0723/K25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-147: Parts RKL4490

Connection Cables

RKL4491**RKL4491**Plug-in connector
for motor

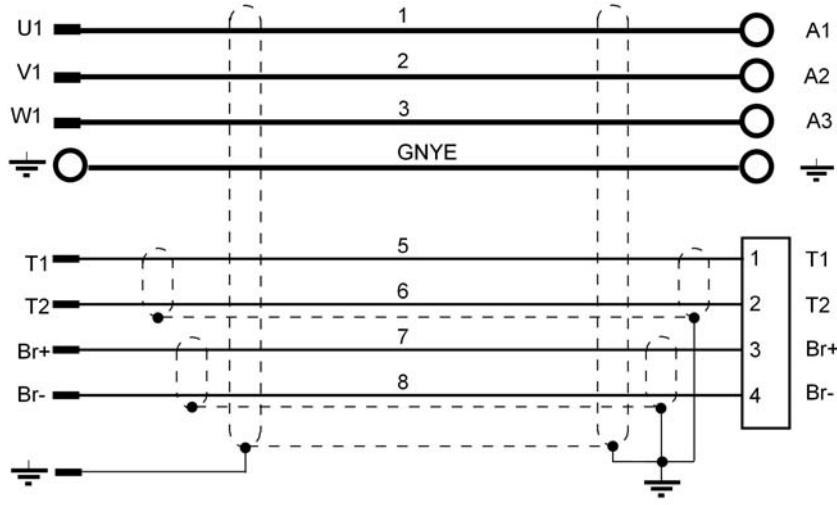
Bulk cable

RLK0005

INK0667

Plug-in connector
for controller

RLS0723/K35

Interconnection diagram

KA000046v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-148: Parts RKL4491

Connection Cables

RKL4492

RKL4492

Plug-in connector
for motor

RLK0005

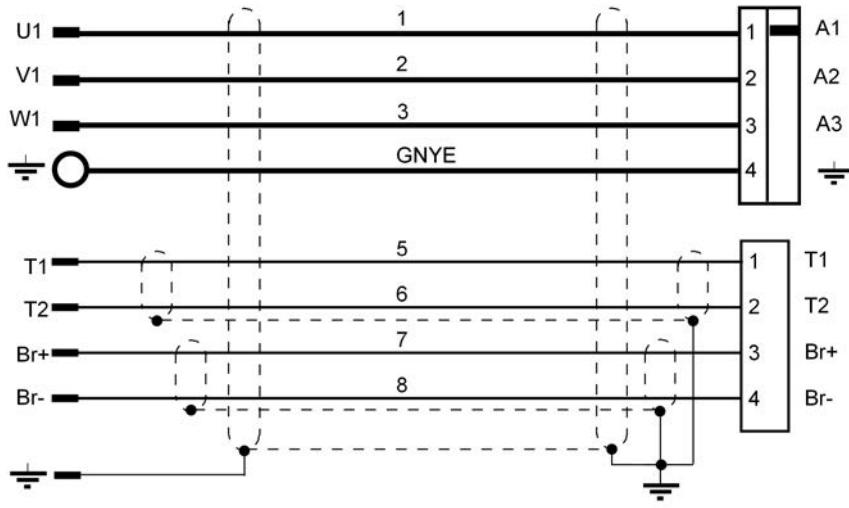
Bulk cable

INK0603

Plug-in connector
for controller

RLS0721/K04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-149: Parts RKL4492

Connection Cables

RKL4493**RKL4493**

**Plug-in connector
for motor**

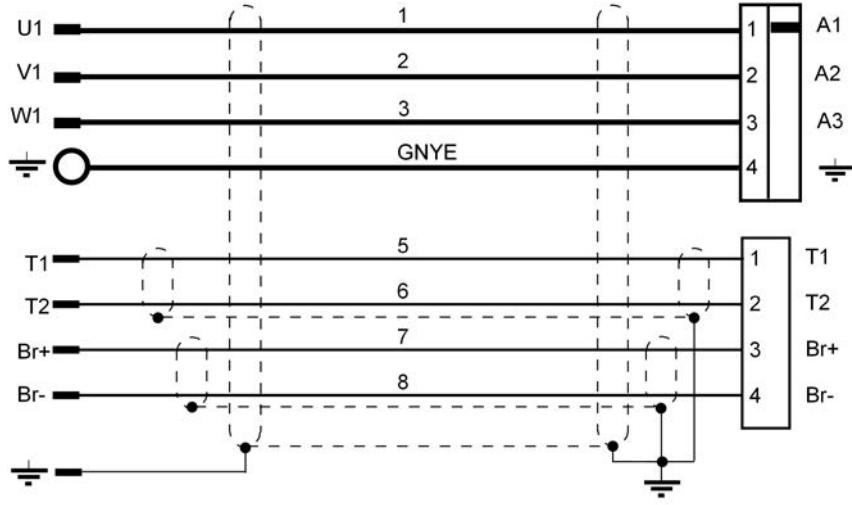
RLK0005

Bulk cable

INK0604

**Plug-in connector
for controller**

RLS0721/K06

Interconnection diagram

KA000045v01_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-150: Parts RKL4493

Connection Cables

RKL4494

RKL4494

Plug-in connector
for motor

RLK0005

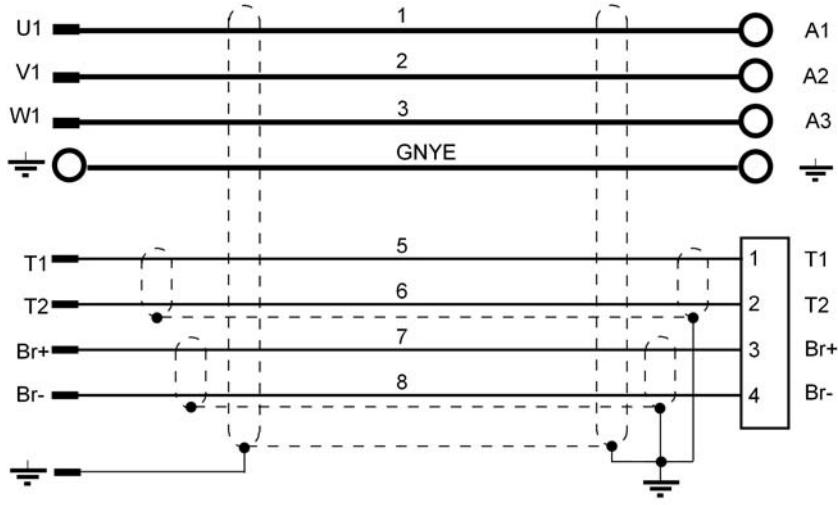
Bulk cable

INK0605

Plug-in connector
for controller

RLS0723/K10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-151: Parts RKL4494

Connection Cables

RKL4495**RKL4495**

**Plug-in connector
for motor**

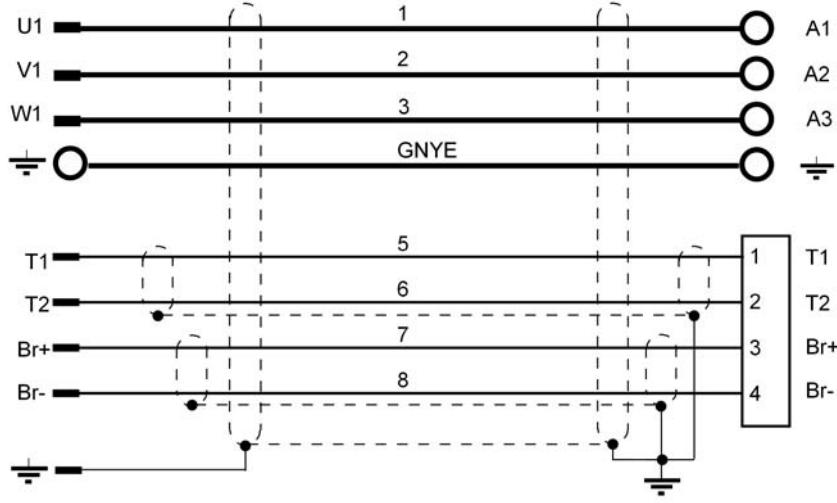
RLK0005

Bulk cable

INK0606

**Plug-in connector
for controller**

RLS0723/K16

Interconnection diagram

KA000046v01_nn.fh11

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16.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-152: Parts RKL4495

Connection Cables

RKL4496

RKL4496

Plug-in connector
for motor

RLK0006

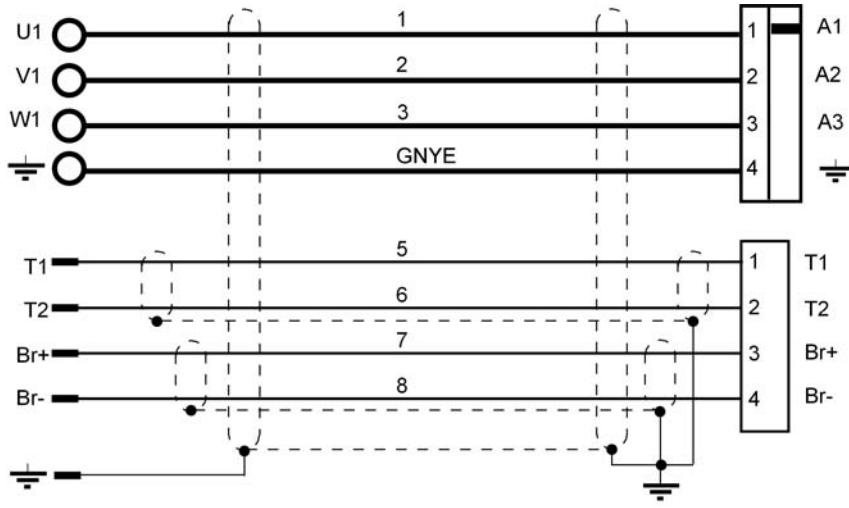
Bulk cable

INK0605

Plug-in connector
for controller

RLS0721/K10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-153: Parts RKL4496

Connection Cables

RKL4497**RKL4497**Plug-in connector
for motor

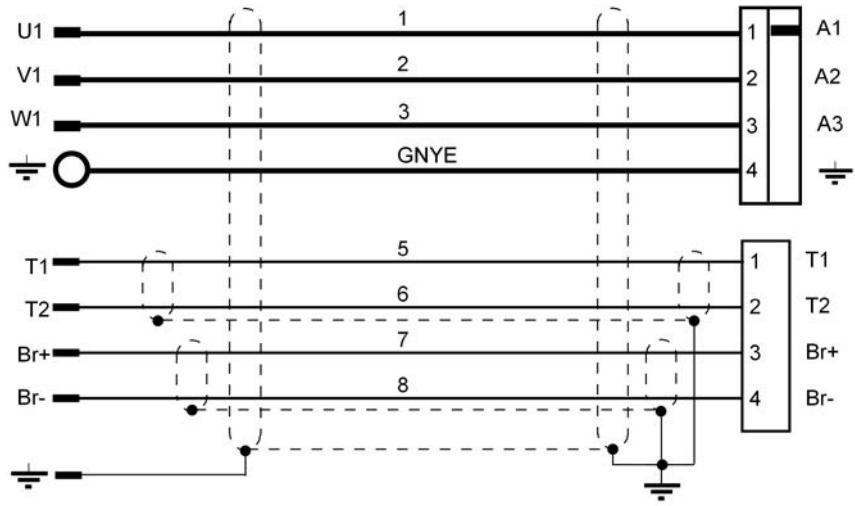
Bulk cable

RLK0003

INK0602

Plug-in connector
for controller

RLS0721/K03

Interconnection diagram

KA000045v01_nn.fh11

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2.5 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6, 7, 8

Fig.24-154: Parts RKL4497

RKL4498

RKL4498

Plug-in connector
motor

RLK0004

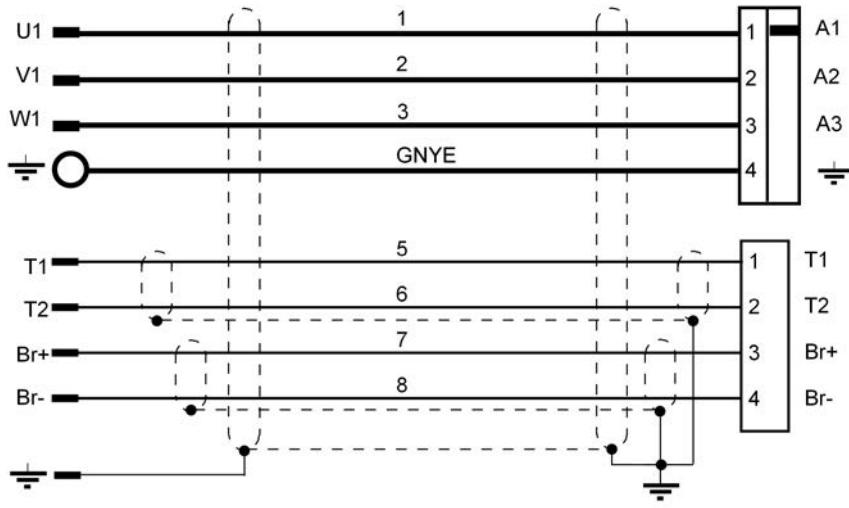
Bulk cable

INK0602

Plug-in connector
controller

RLS0721/K03

Interconnection diagram



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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Fig.24-155: Parts RKL4498

Connection Cables

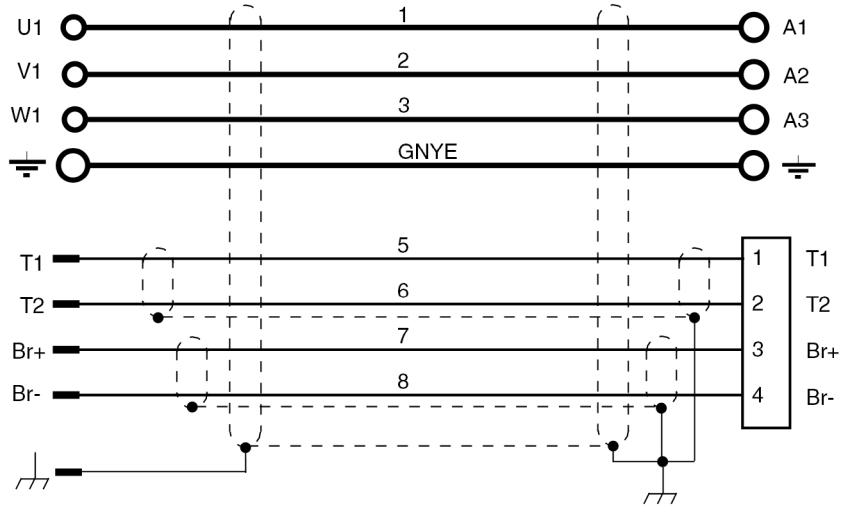
RKL4499**RKL4499**Plug-in connector
motor**Bulk cable**

RLK0006

INK0667

Plug-in connector
controller

RLS0724/K35

Interconnection diagram

KA000145v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-156: Parts RKL4499

Connection Cables

RKL45xx

RKL4502

RKL4502

Plug-in connector
for motor

RLK0003

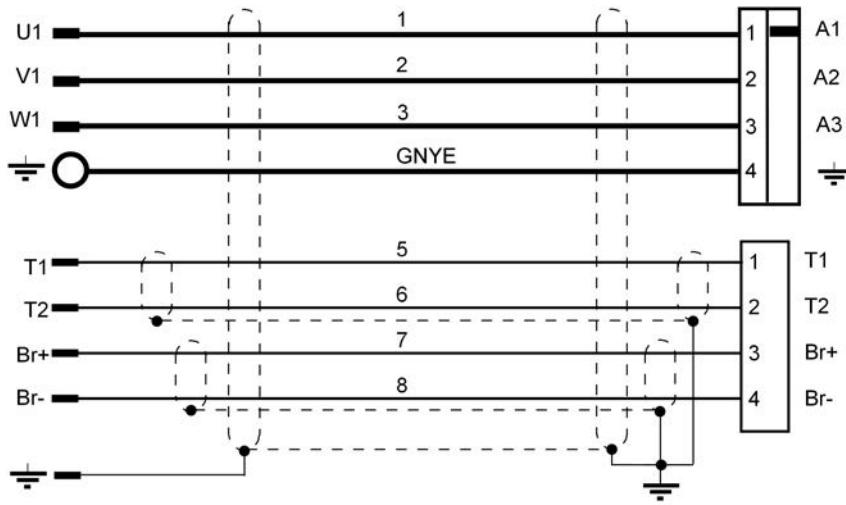
Bulk cable

INK0603

Plug-in connector
for controller

RLS0722/K04

Interconnection diagram



KA000045v01_nn.fh11

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4.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-157: Parts RKL4502

Connection Cables

RKL4504**RKL4504**Plug-in connector
for motor

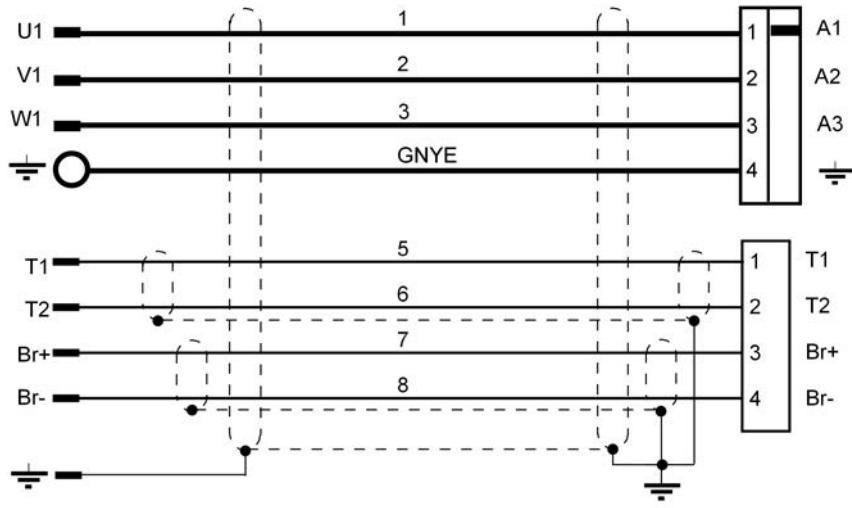
Bulk cable

RLK0003

INK0605

Plug-in connector
for controller

RLS0721/K10

Interconnection diagram

KA000045v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-158: Parts RKL4504

Connection Cables

RKL4506

RKL4506

Plug-in connector
for motor

RLK0004

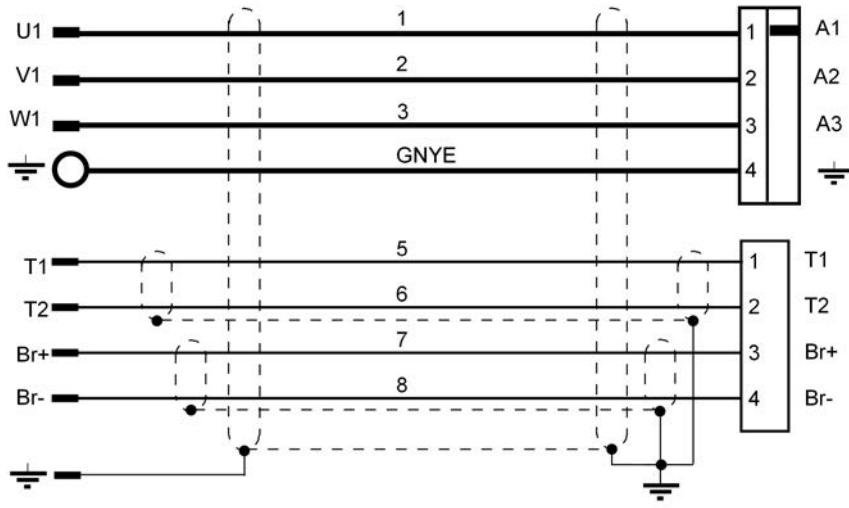
Bulk cable

INK0603

Plug-in connector
for controller

RLS0722/K04

Interconnection diagram



KA000045v01_nn.fh11

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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-159: Parts RKL4506

Connection Cables

RKL4508**RKL4508**

**Plug-in connector
for motor**

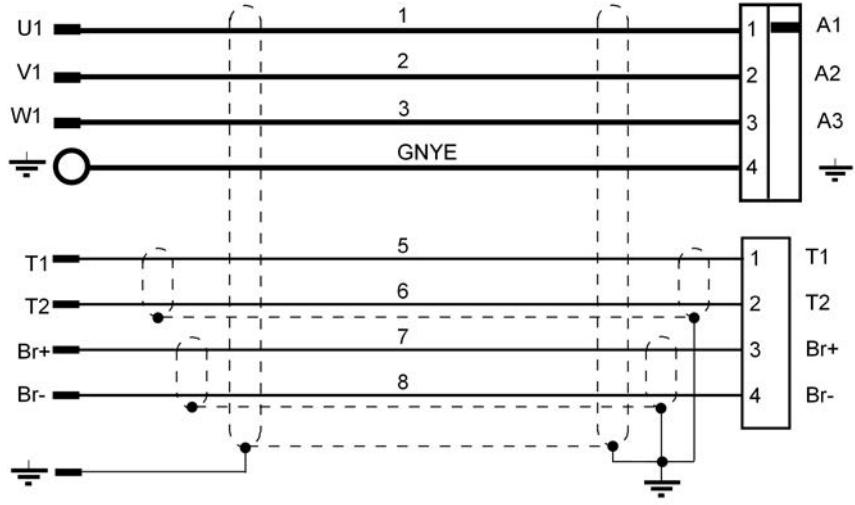
RLK0004

Bulk cable

INK0605

**Plug-in connector
for controller**

RLS0721/K10

Interconnection diagram

KA000045v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-160: Parts RKL4508

RKL4510

RKL4510

Plug-in connector
for motor

RLK0005

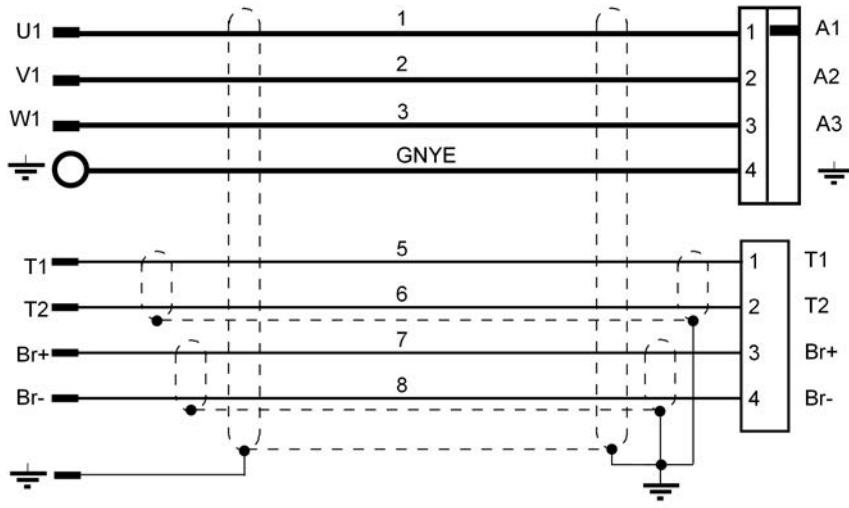
Bulk cable

INK0602

Plug-in connector
for controller

RLS0722/K03

Interconnection diagram



KA000045v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Fig.24-161: Parts RKL4510

Connection Cables

RKL4511**RKL4511**Plug-in connector
for motor

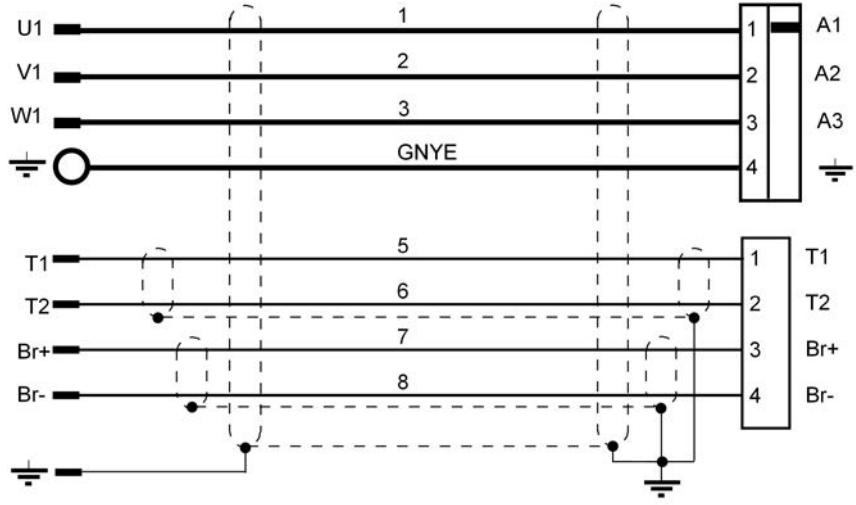
Bulk cable

Plug-in connector
for controller

RLK0005

INK0602

RLS0721/K03

Interconnection diagram

KA000045v01_nn.fh11

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2.5 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6, 7, 8

Fig.24-162: Parts RKL4511

Connection Cables

RKL4512

RKL4512

Plug-in connector
for motor

RLK0005

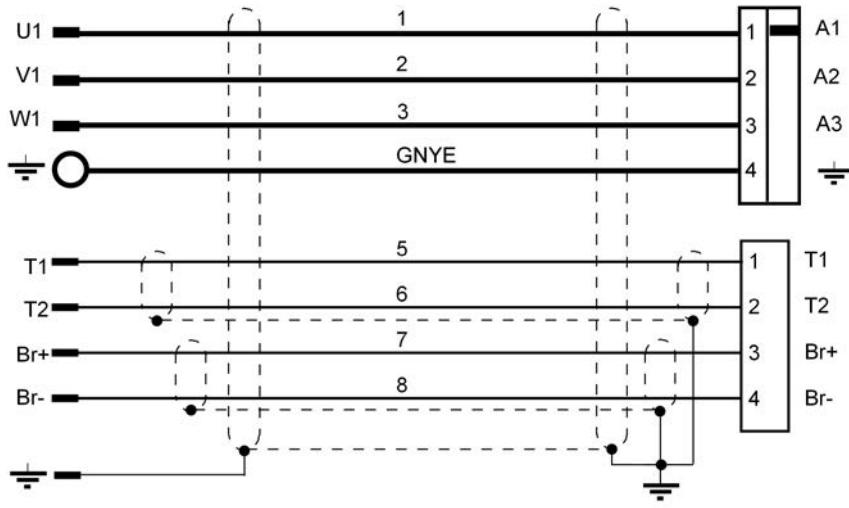
Bulk cable

INK0603

Plug-in connector
for controller

RLS0722/K04

Interconnection diagram



KA000045v01_nn.fh11

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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-163: Parts RKL4512

Connection Cables

RKL4514**RKL4514**Plug-in connector
for motor

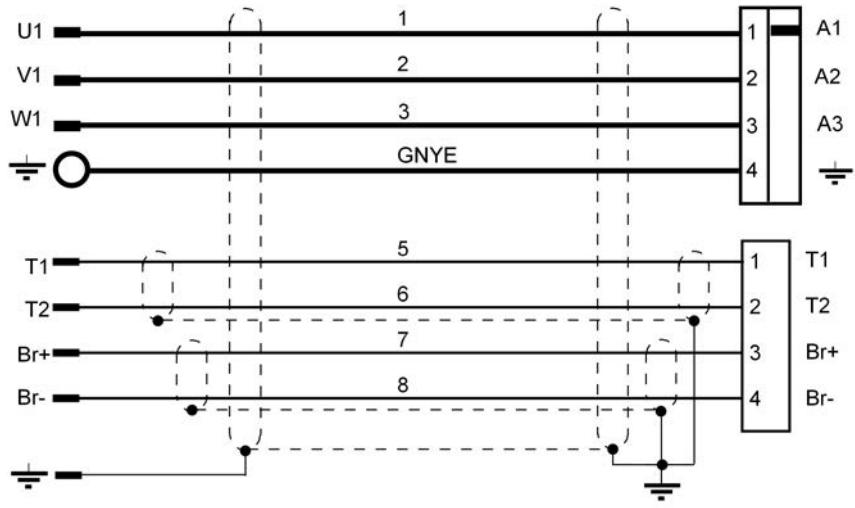
Bulk cable

RLK0005

INK0605

Plug-in connector
for controller

RLS0721/K10

Interconnection diagram

KA000045v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-164: Parts RKL4514

RKL4516

RKL4516

Plug-in connector
motor

RLK0006

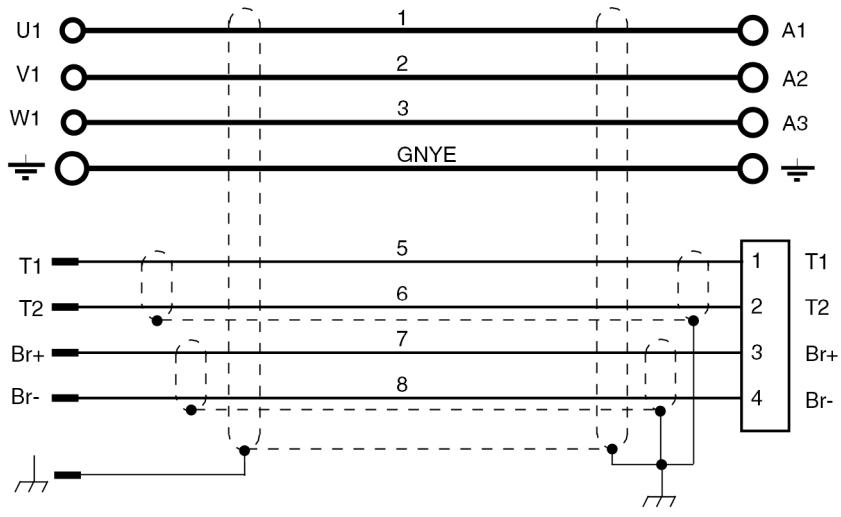
Bulk cable

INK0605

Plug-in connector
controller

RLS0723/K10

Interconnection diagram



KA000145v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-165: Parts RKL4516

Connection Cables

RKL4517**RKL4517**Plug-in connector
for motor

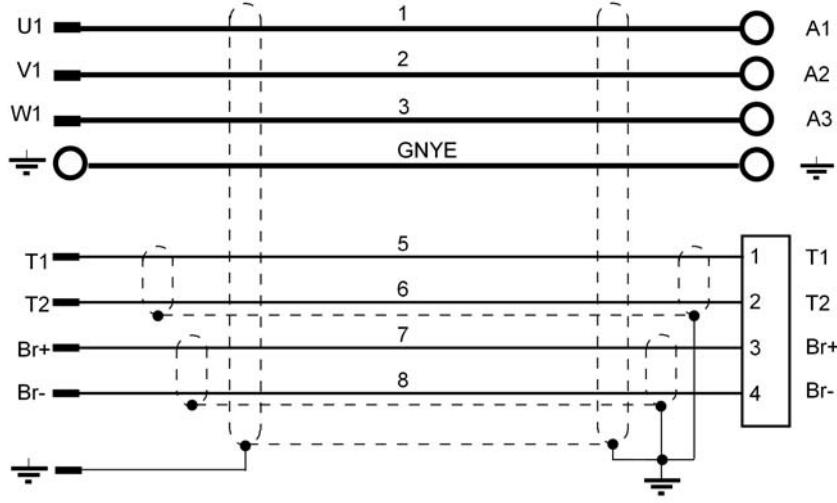
Bulk cable

RLK0006

INK0668

Plug-in connector
for controller

RLS0723/K50

Interconnection diagram

KA000046v01_nn.fh11

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50.0 mm² wires 1, 2, 3, GNYE2.5 mm² wires 5, 6, 7, 8

Fig.24-166: Parts RKL4517

RKL4518

RKL4518

Plug-in connector
for motor

RLK0006

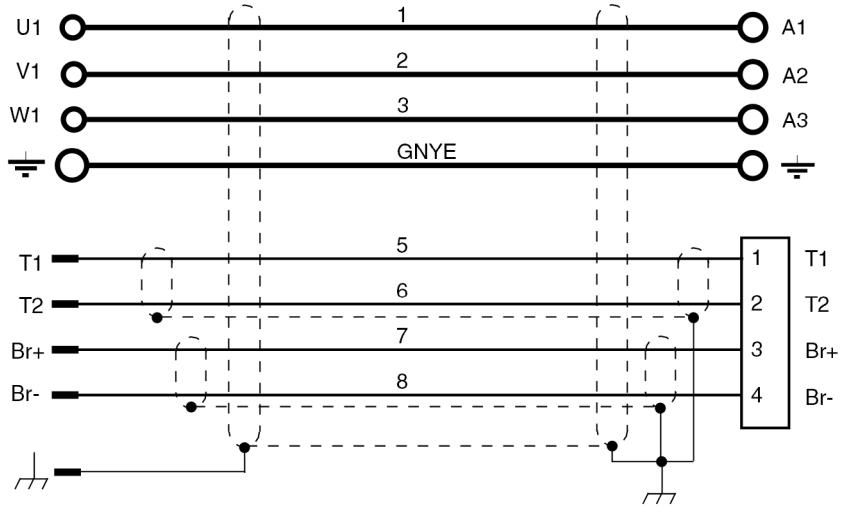
Bulk cable

INK0607

Plug-in connector
for controller

RLS0723/K25

Interconnection diagram



KA000145v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-167: Parts RKL4518

Connection Cables

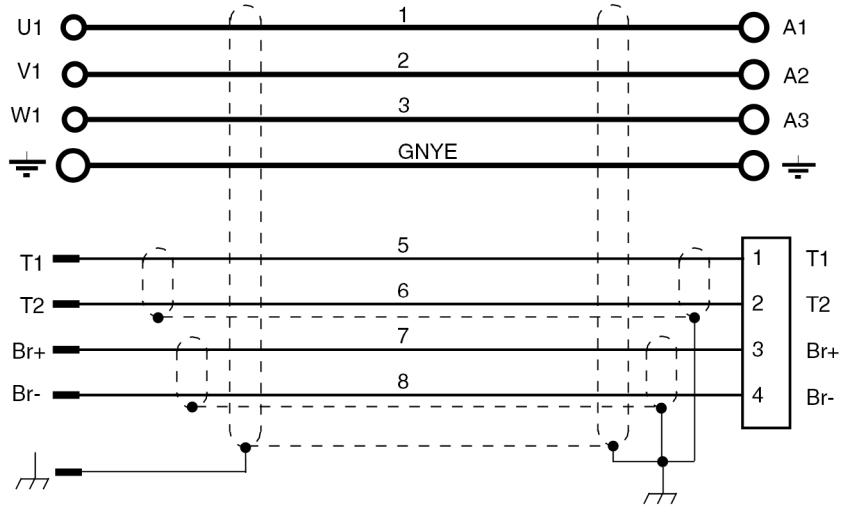
RKL4519**RKL4519**Plug-in connector
for motor**Bulk cable**

RLK0006

INK0667

Plug-in connector
for controller

RLS0723/K35

Interconnection diagram

KA000145v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-168: Parts RKL4519

Connection Cables

RKL4520

RKL4520

Plug-in connector
for motor

RLK0006

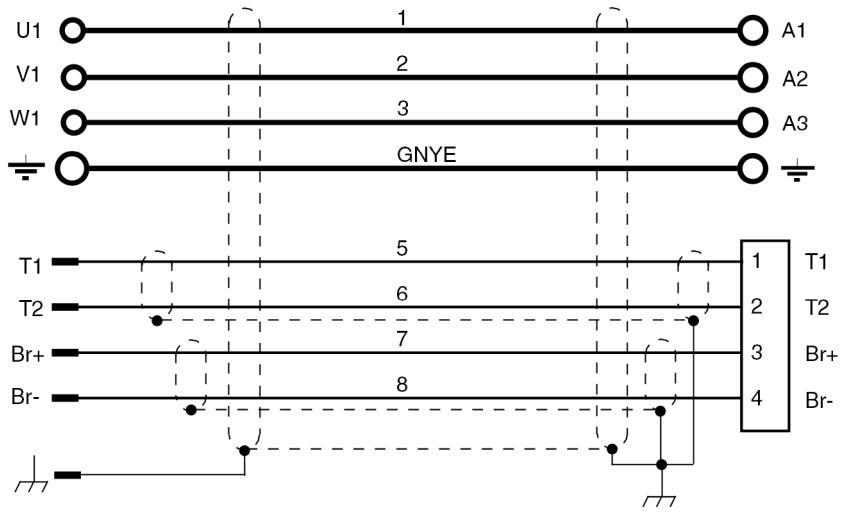
Bulk cable

INK0606

Plug-in connector
for controller

RLS0723/K16

Interconnection diagram



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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-169: Parts RKL4520

Connection Cables

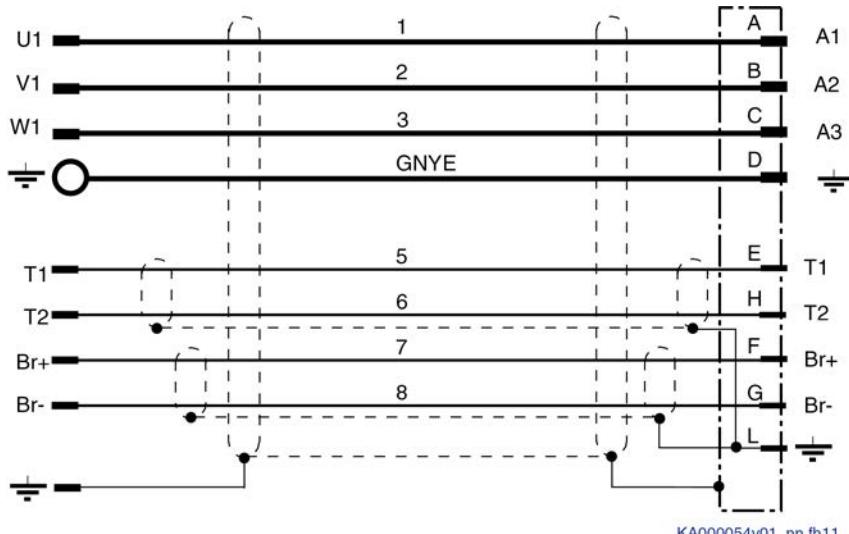
RKL4521**RKL4521**Plug-in connector
for motor**Bulk cable**

RLK0003

INK0602

Plug-in connector
for controller

INS0482/C03

Interconnection diagram

KA000054v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8Fig.24-170: *Parts RKL4521*

Connection Cables

RKL4522

RKL4522

Plug-in connector
for motor

RLK0003

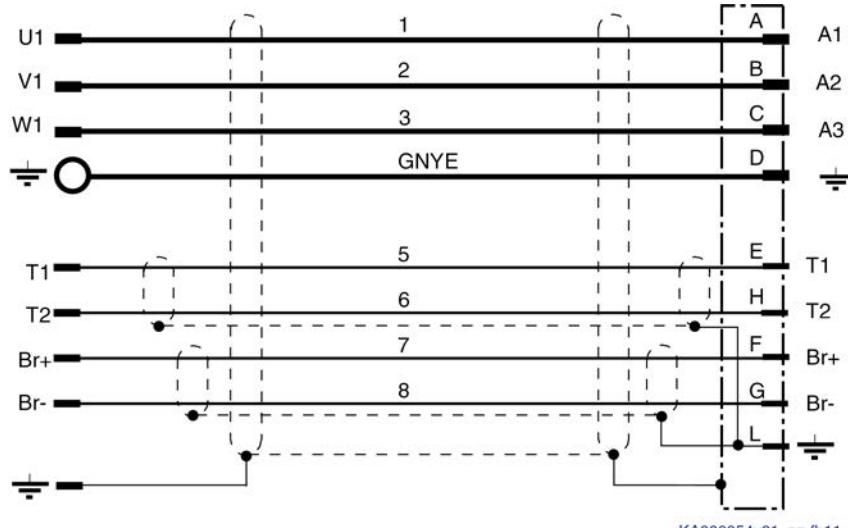
Bulk cable

INK0603

Plug-in connector
for controller

INS0482/C04

Interconnection diagram



KA000054v01_nn.fh11

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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-171: Parts RKL4522

Connection Cables

RKL4523**RKL4523**

**Plug-in connector
for motor**

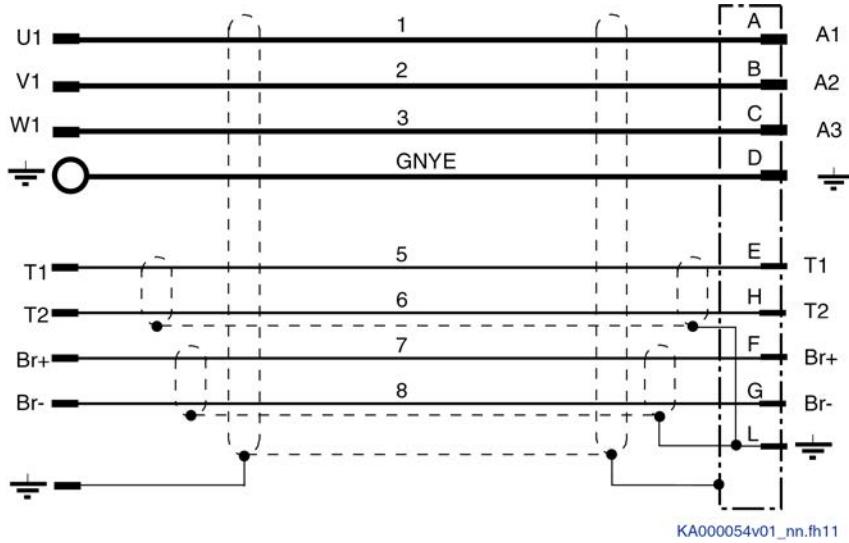
Bulk cable

RLK0003

INK0604

**Plug-in connector
for controller**

INS0482/C06

Interconnection diagram

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6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-172: Parts RKL4523

Connection Cables

RKL4524

RKL4524

Plug-in connector
for motor

RLK0003

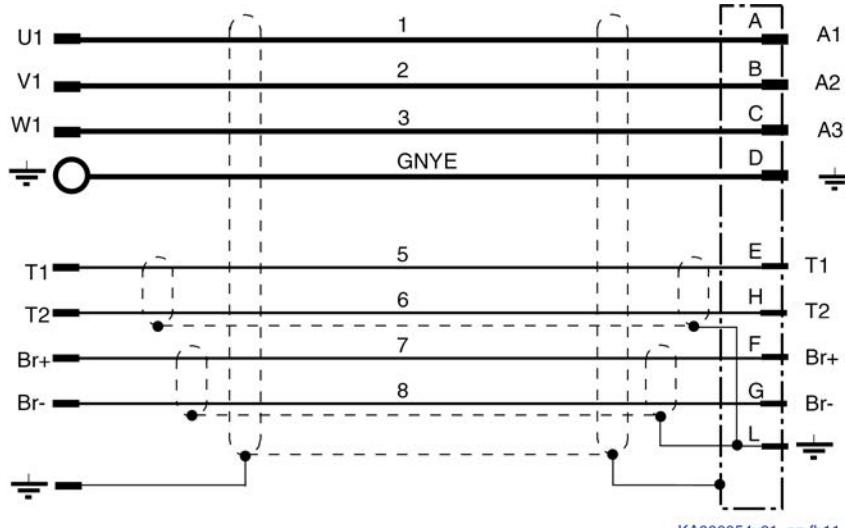
Bulk cable

INK0605

Plug-in connector
for controller

INS0482/L10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-173: Parts RKL4524

Connection Cables

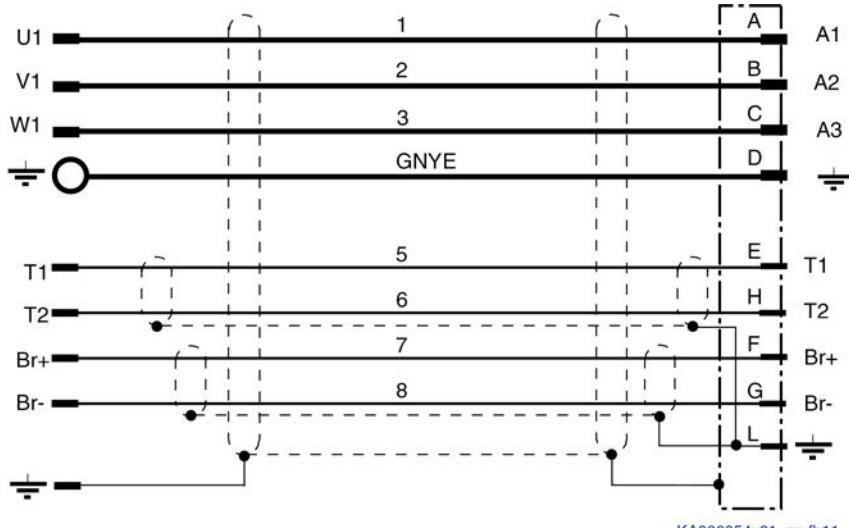
RKL4525**RKL4525**Plug-in connector
for motor**Bulk cable**

RLK0004

INK0602

Plug-in connector
for controller

INS0482/C03

Interconnection diagram

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-174: Parts RKL4525

Connection Cables

RKL4526

RKL4526

Plug-in connector
for motor

RLK0004

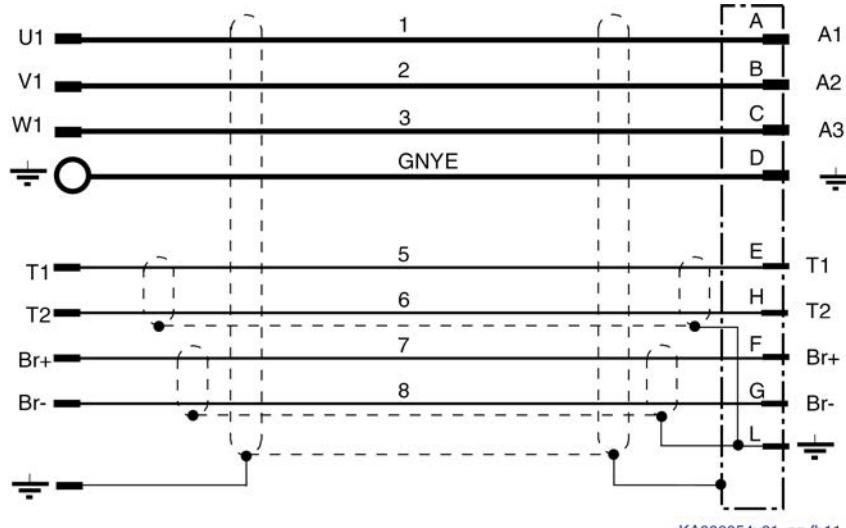
Bulk cable

INK0603

Plug-in connector
for controller

INS0482/C04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-175: Parts RKL4526

Connection Cables

RKL4527**RKL4527**

**Plug-in connector
for motor**

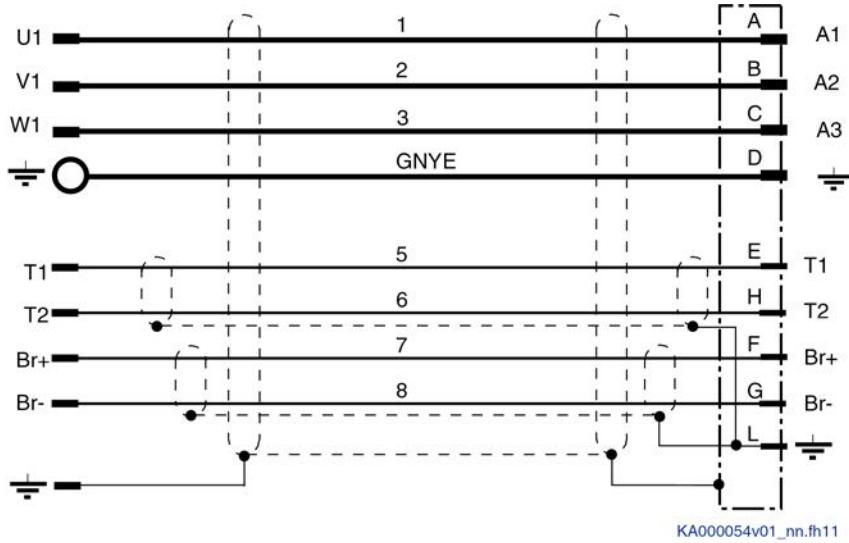
RLK0004

Bulk cable

INK0604

**Plug-in connector
for controller**

INS0482/C06

Interconnection diagram

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6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-176: *Parts RKL4527*

RKL4528

RKL4528

Plug-in connector
for motor

RLK0004

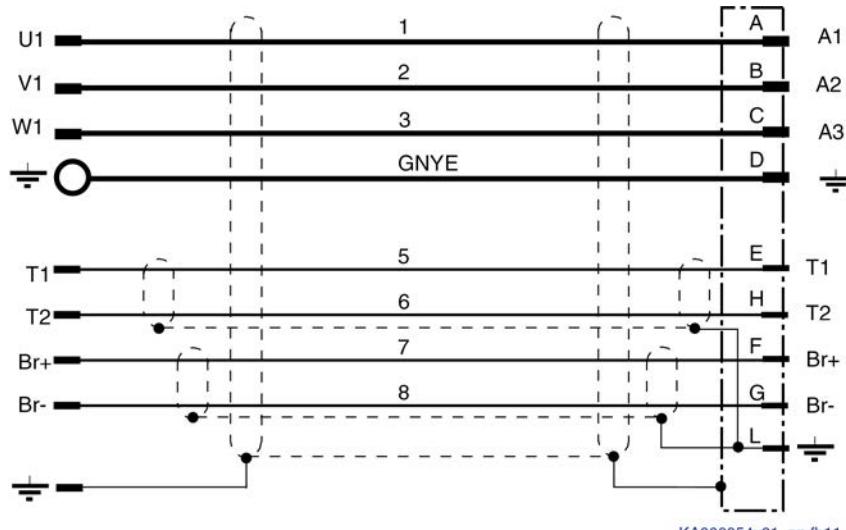
Bulk cable

INK0605

Plug-in connector
for controller

INS0482/L10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-177: Parts RKL4528

Connection Cables

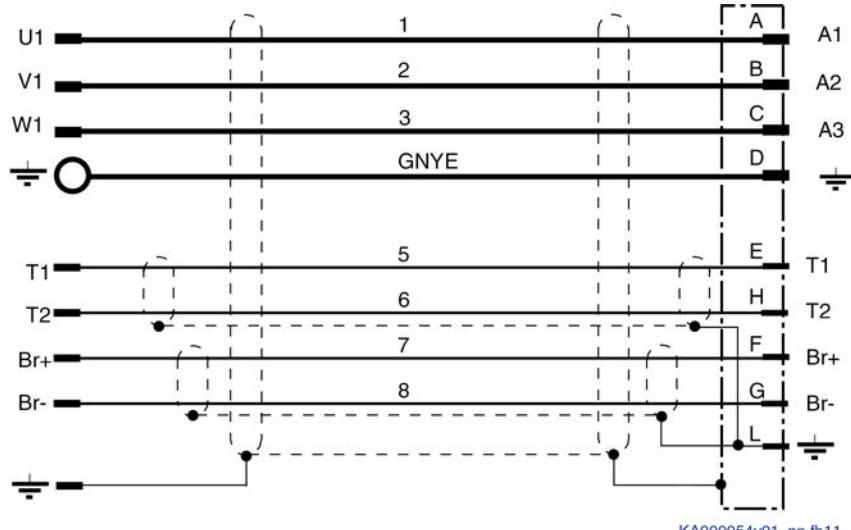
RKL4529**RKL4529**Plug-in connector
for motor**Bulk cable**

RLK0004

INK0606

Plug-in connector
for controller

INS0382/C16

Interconnection diagram

KA000054v01_nn.fh11

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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Fig.24-178: Parts RKL4529

Connection Cables

RKL4530

RKL4530

Plug-in connector
for motor

RLK0005

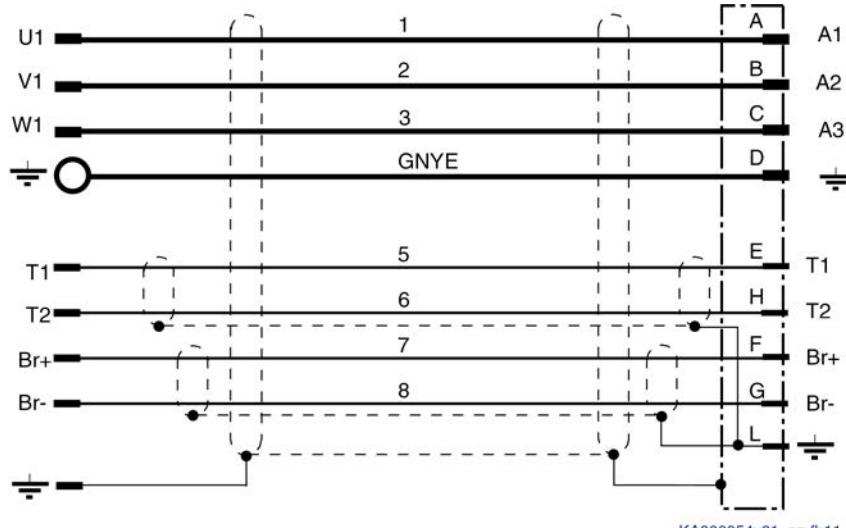
Bulk cable

INK0607

Plug-in connector
for controller

INS0382/C25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-179: Parts RKL4530

Connection Cables

RKL4531**RKL4531**

**Plug-in connector
for motor**

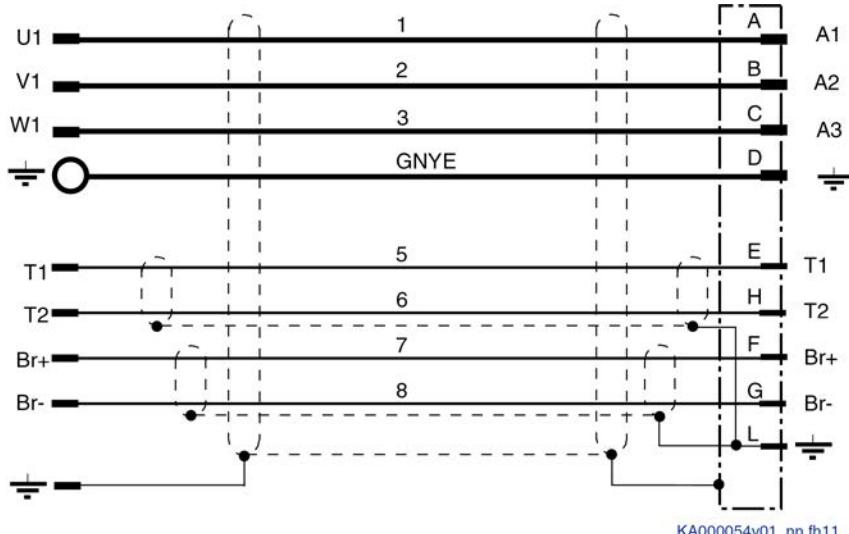
Bulk cable

RLK0005

INK0667

**Plug-in connector
for controller**

INS0382/C35

Interconnection diagram

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35.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-180: *Parts RKL4531*

RKL4532

RKL4532

Plug-in connector
for motor

RLK0005

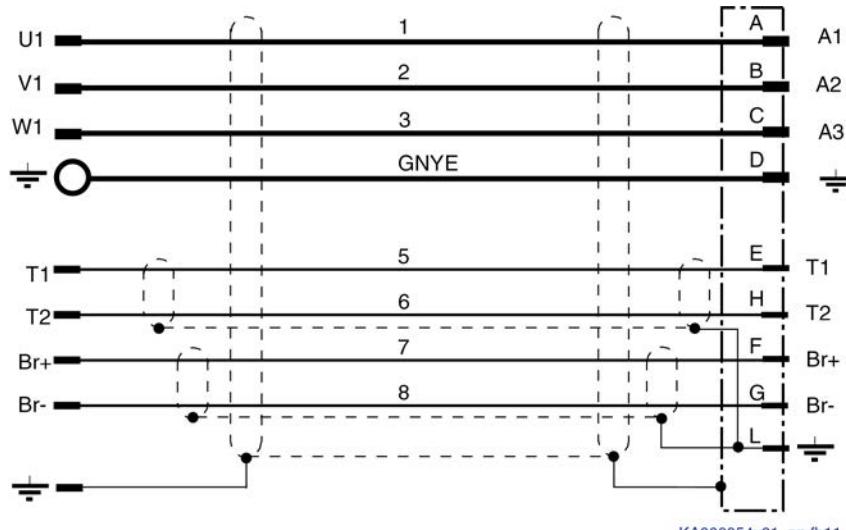
Bulk cable

INK0603

Plug-in connector
for controller

INS0482/C04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-181: Parts RKL4532

Connection Cables

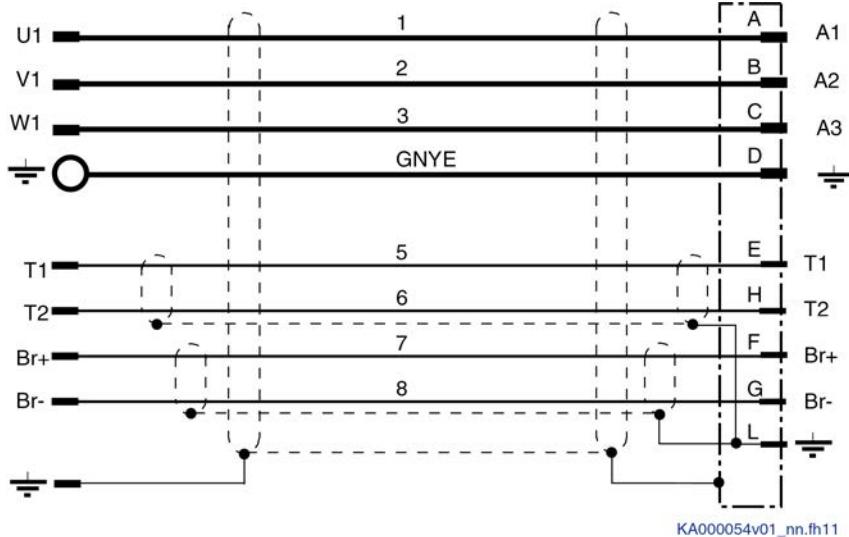
RKL4533**RKL4533**Plug-in connector
for motor**Bulk cable**

RLK0005

INK0604

Plug-in connector
for controller

INS0482/C06

Interconnection diagram

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6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-182: *Parts RKL4533*

RKL4534

RKL4534

Plug-in connector
for motor

RLK0005

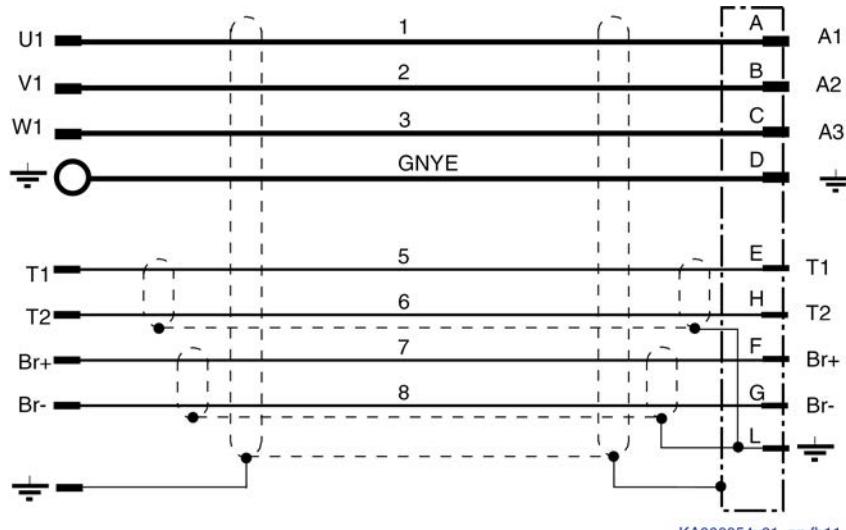
Bulk cable

INK0605

Plug-in connector
for controller

INS0482/L10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-183: Parts RKL4534

Connection Cables

RKL4535**RKL4535**

**Plug-in connector
for motor**

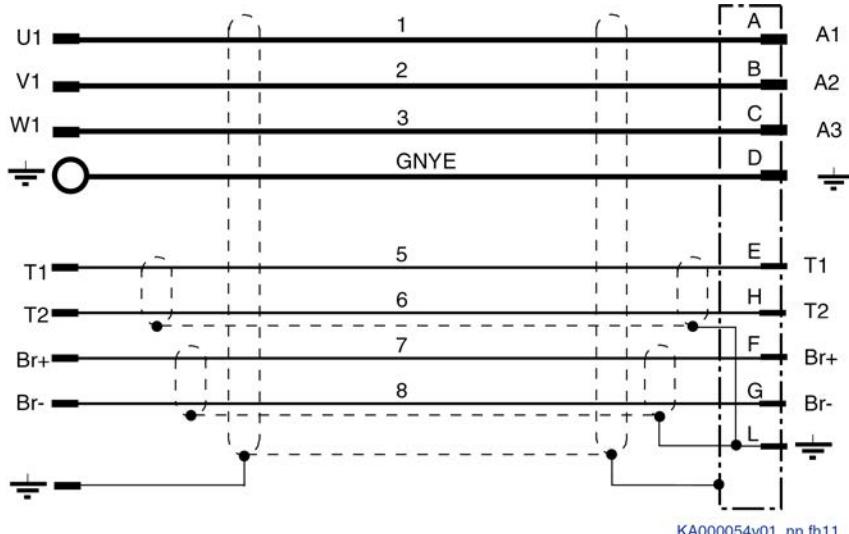
Bulk cable

RLK0005

INK0606

**Plug-in connector
for controller**

INS0382/C16

Interconnection diagram

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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Fig.24-184: Parts RKL4535

Connection Cables

RKL4536

RKL4536

Plug-in
connector
for motor

RLK0006

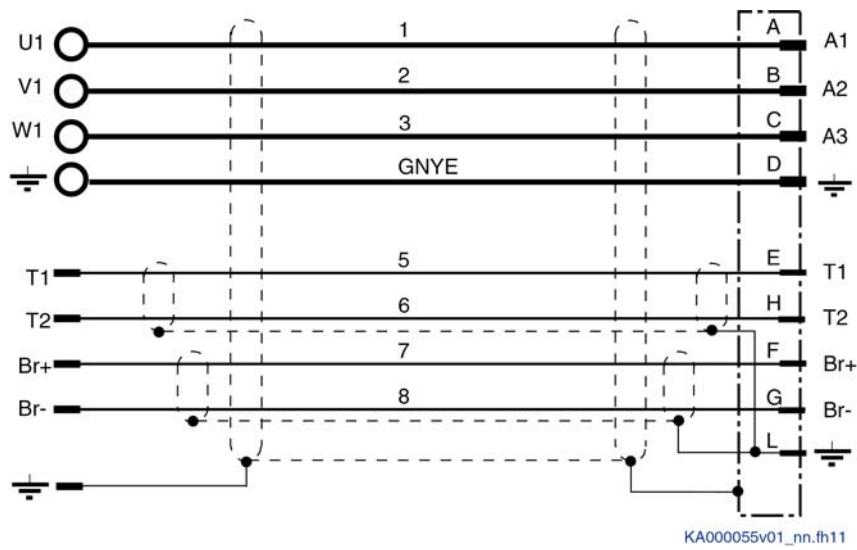
Bulk cable

INK0605

Plug-in connector for
controller

INS0482/C10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-185: Parts RKL4536

Connection Cables

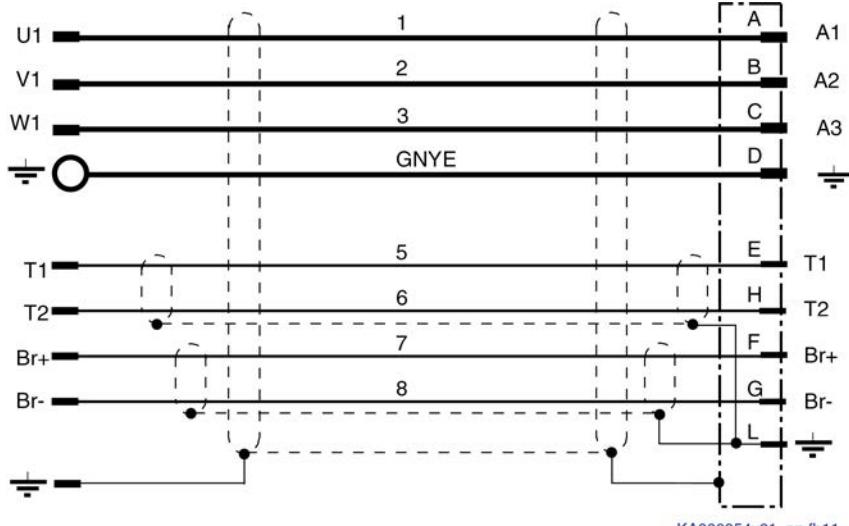
RKL4537**RKL4537**Plug-in connector
for motor**Bulk cable**

RLK0005

INK0602

Plug-in connector
for controller

INS0482/C03

Interconnection diagram

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-186: Parts RKL4537

Connection Cables

RKL4538

RKL4538

Plug-in
connector
for motor

RLK0006

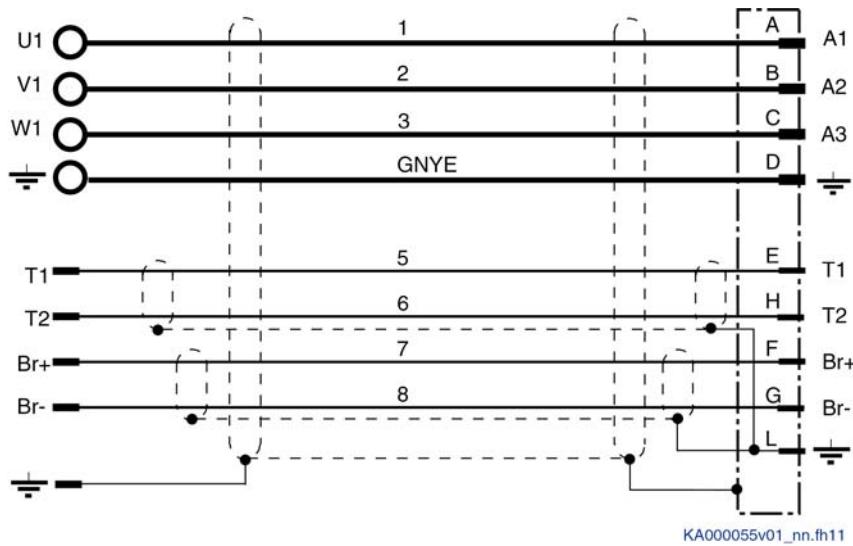
Bulk cable

INK0607

Plug-in connector for
controller

INS0382/C25

Interconnection diagram



KA000055v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-187: Parts RKL4538

Connection Cables

RKL4539**RKL4539**

Plug-in connector for motor

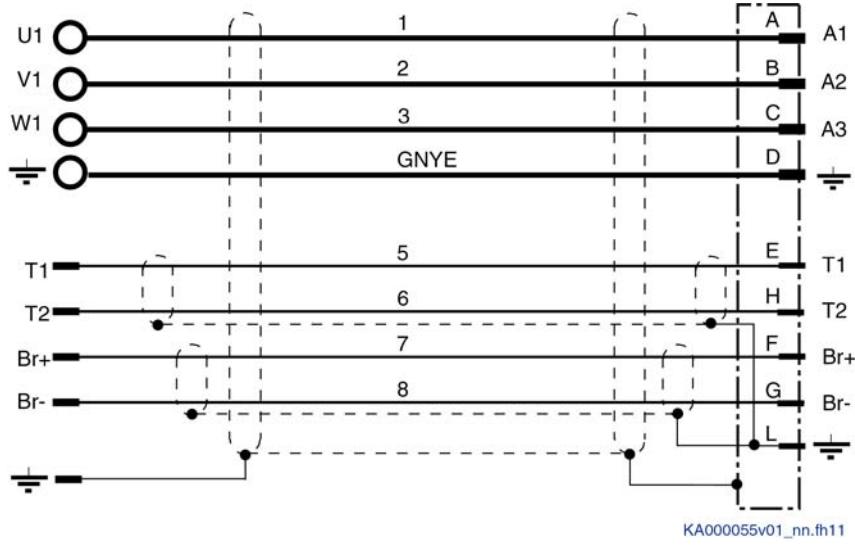
RLK0006

Bulk cable

INK0667

Plug-in connector for controller

INS0382/C35

Interconnection diagram

KA000055v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-188: Parts RKL4539

Connection Cables

RKL4540

RKL4540

Plug-in
connector
for motor

RLK0006

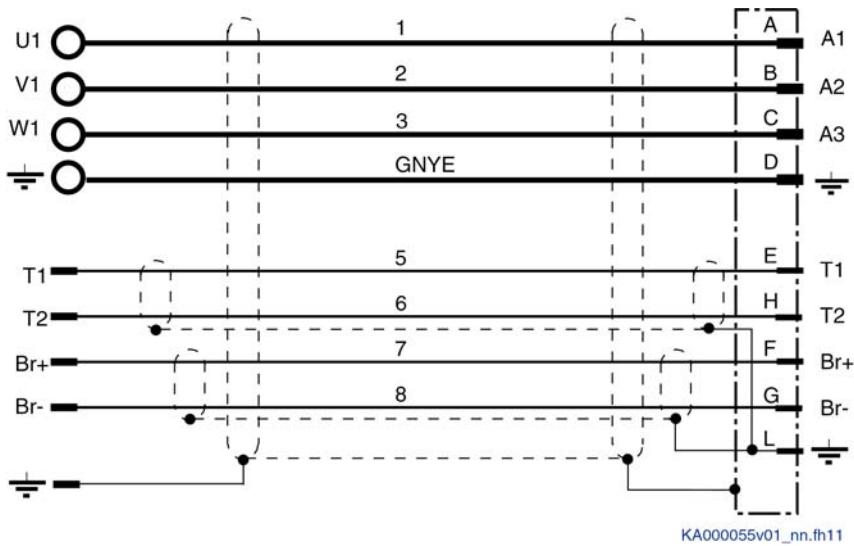
Bulk cable

INK0606

Plug-in connector for
controller

INS0382/C16

Interconnection diagram



KA000055v01_nn.fh11

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16.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-189: Parts RKL4540

Connection Cables

RKL4544**RKL4544**Plug-in connector
for motor

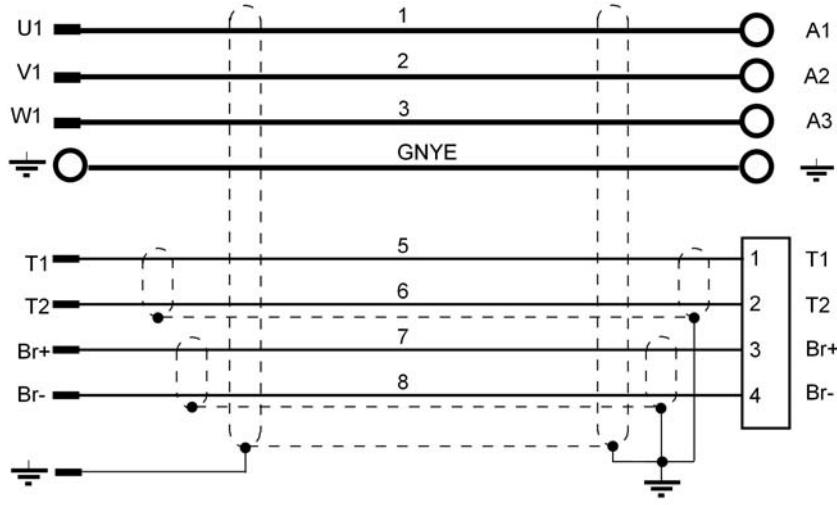
Bulk cable

RLK0004

INK0607

Plug-in connector
for controller

RLS0723/K25

Interconnection diagram

KA000046v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-190: Parts RKL4544

RKL4545

RKL4545

Plug-in connector
for motor

RLK0004

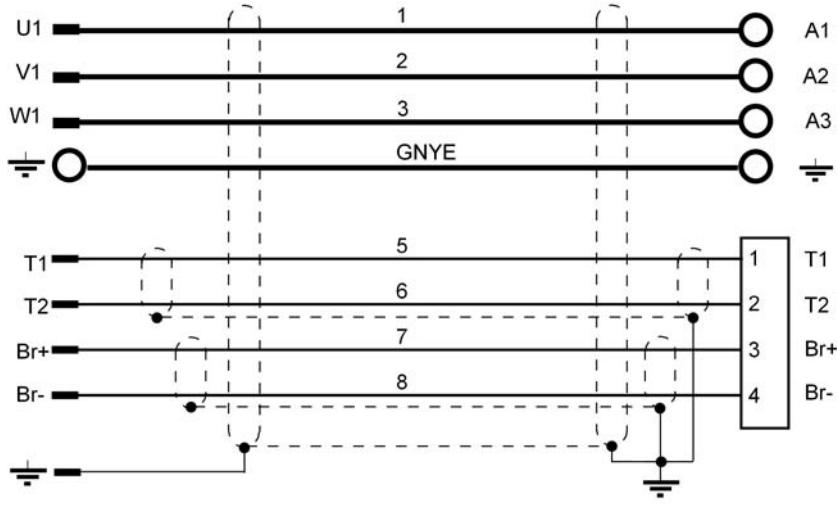
Bulk cable

INK0607

Plug-in connector
for controller

RLS0724/K25

Interconnection diagram



KA000046v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-191: Parts RKL4545

Connection Cables

RKL4547**RKL4547**

**Plug-in connector
for motor**

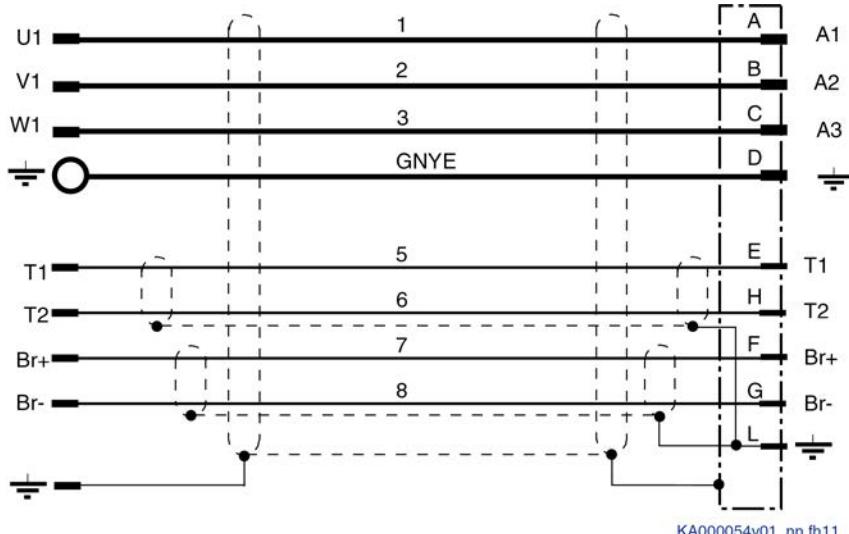
RLK0004

Bulk cable

INK0607

**Plug-in connector
for controller**

INS0382/C25

Interconnection diagram

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25.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8

Fig.24-192: *Parts RKL4547*

RKL4548

RKL4548

Plug-in connector
for motor

RLK0005

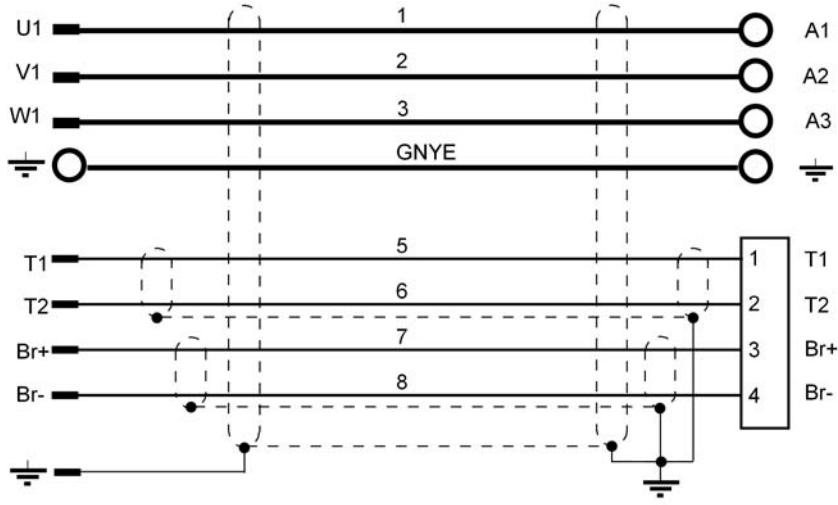
Bulk cable

INK0667

Plug-in connector
for controller

RLS0724/K35

Interconnection diagram



KA000046v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-193: *Parts RKL4548*

Connection Cables

RKL46xx**RKL4600****RKL4600**

Plug-in connector for motor

WEF

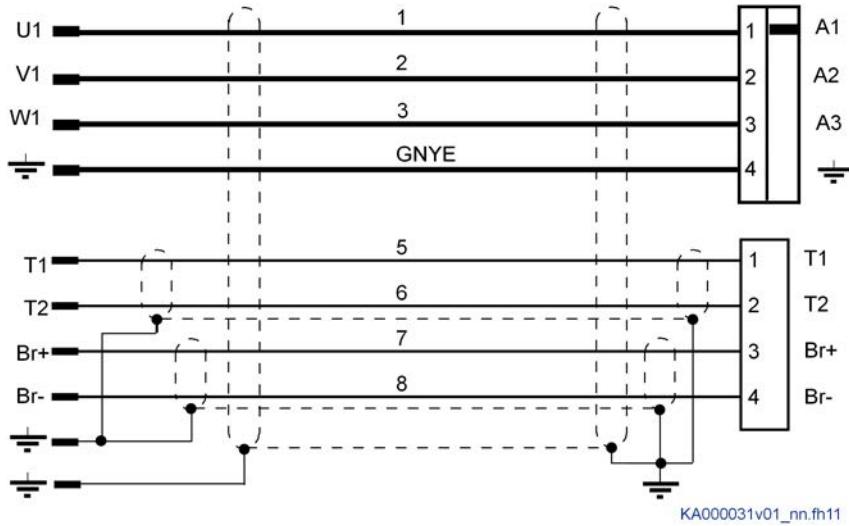
Bulk cable

INK0602

Plug-in connector for controller

RLS0722/K03

Interconnection diagram



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1.0 mm² wires 1, 2, 3, GNYE

0.75 mm² wires 5, 6, 7, 8

Fig.24-194: Parts RKL4600

RKL4602

RKL4602

Plug-in connector for motor

WEF

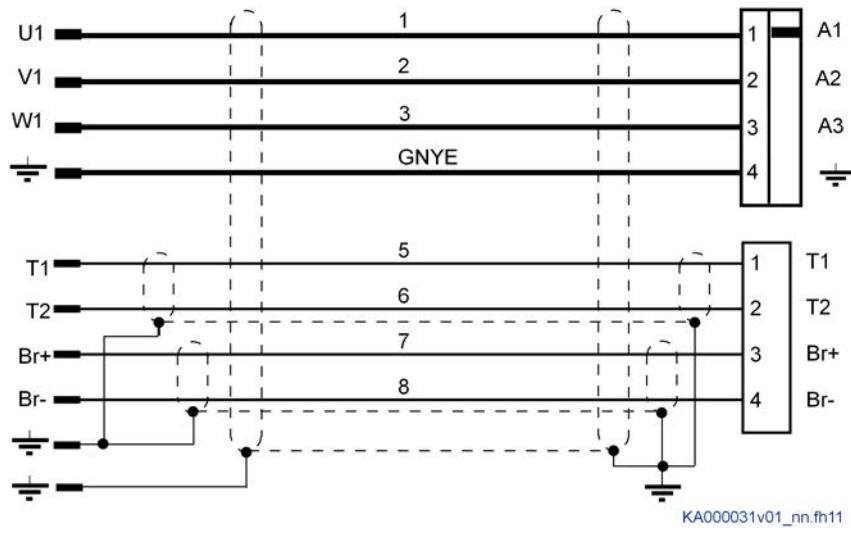
Bulk cable

INK0602

Plug-in connector for controller

RLS0722/K03

Interconnection diagram



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2.5 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6, 7, 8

Fig.24-195: Parts RKL4602

Connection Cables

RKL4603**RKL4603**

Plug-in connector for motor

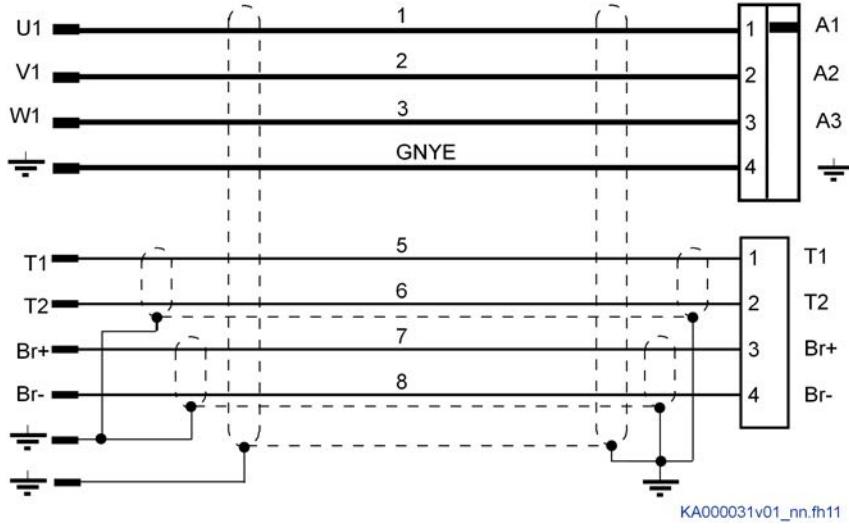
WEF

Bulk cable

INK0602

Plug-in connector for controller

RLS0721/K03

Interconnection diagram

KA000031v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6, 7, 8

Fig.24-196: Parts RKL4603

RKL4606

RKL4606

Plug-in connec-
tor for motor

WEF

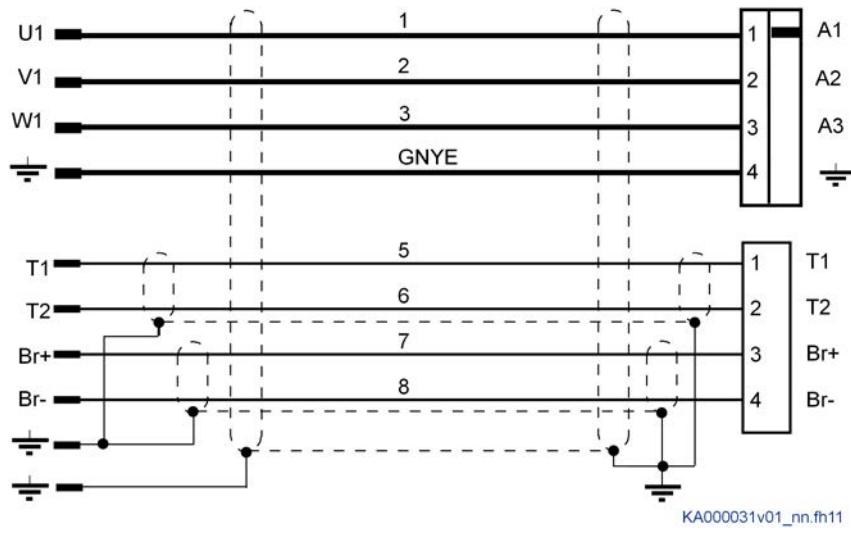
Bulk cable

INK0604

Plug-in connec-
tor for controller

RLS0721/K06

Interconnection diagram



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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-197: Parts RKL4606

Connection Cables

RKL4607**RKL4607**

Plug-in connector for motor

WEF

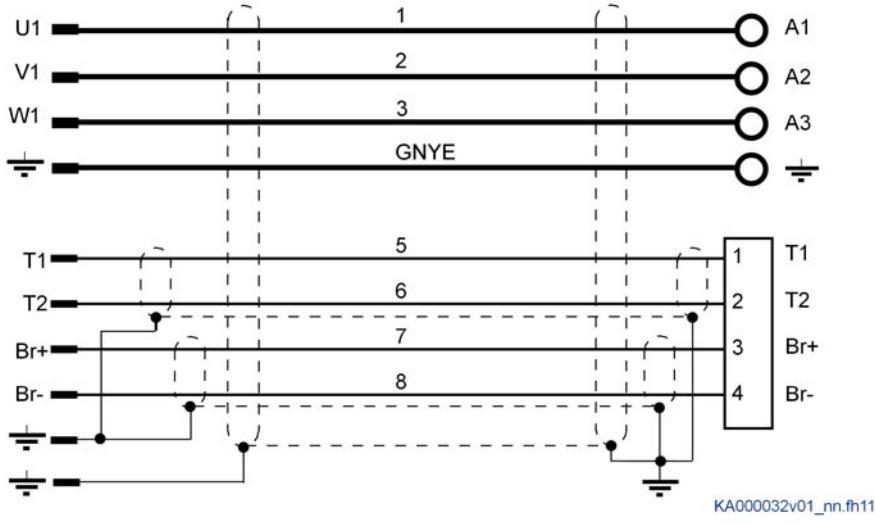
Bulk cable

INK0604

Plug-in connector for controller

RLS0723/K06

Interconnection diagram



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- | | |
|---------------------|---------------------|
| 6.0 mm ² | wires 1, 2, 3, GNYE |
| 1.0 mm ² | wires 5, 6 |
| 1.5 mm ² | wires 7, 8 |

Fig.24-198: Parts RKL4607

RKL4608

RKL4608

Plug-in connec-
tor for motor

WEF

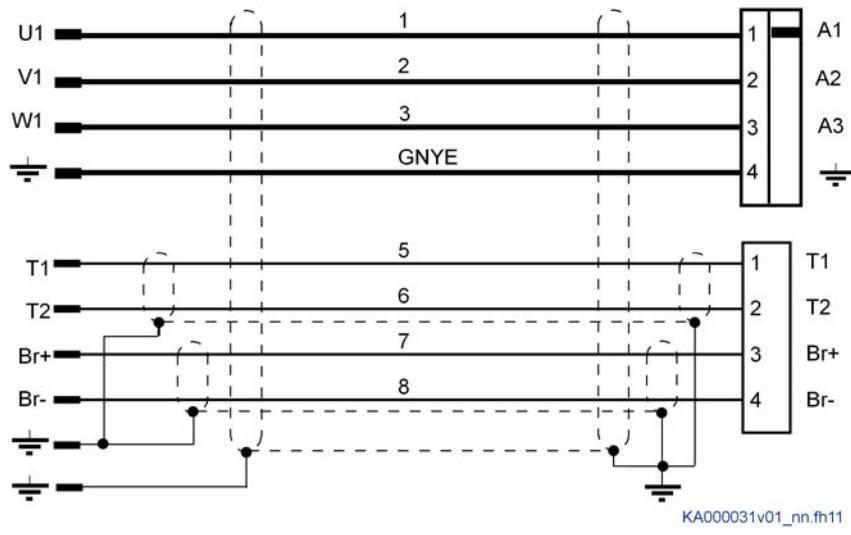
Bulk cable

INK0605

Plug-in connec-
tor for controller

RLS0721/K10

Interconnection diagram



KA000031v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-199: Parts RKL4608

Connection Cables

RKL4609**RKL4609**

Plug-in connector for motor

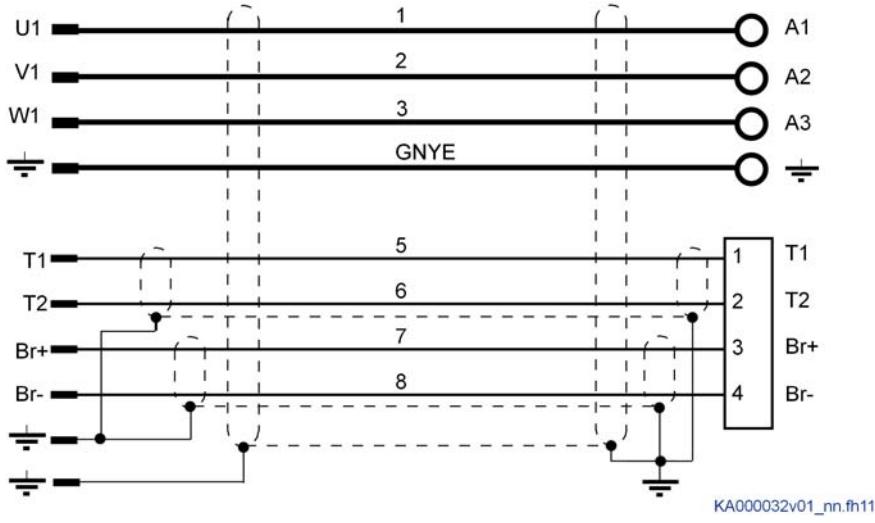
WEF

Bulk cable

INK0605

Plug-in connector for controller

RLS0723/K10

Interconnection diagram

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10.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-200: Parts RKL4609

RKL4620

RKL4620

Plug-in connec-
tor for motor

INS0381/C25

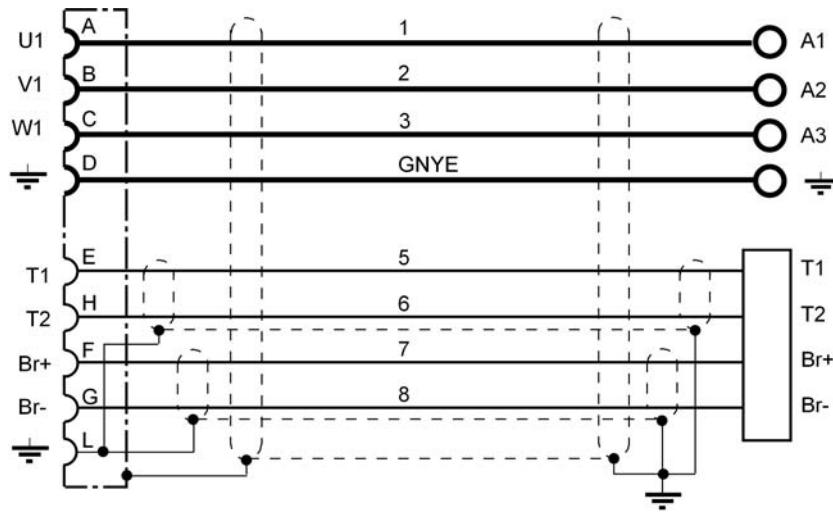
Bulk cable

INK0607

Plug-in connec-
tor for controller

RLS0723/K25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-201: Parts RKL4620

Connection Cables

RKL4621**RKL4621**

Plug-in connector for motor

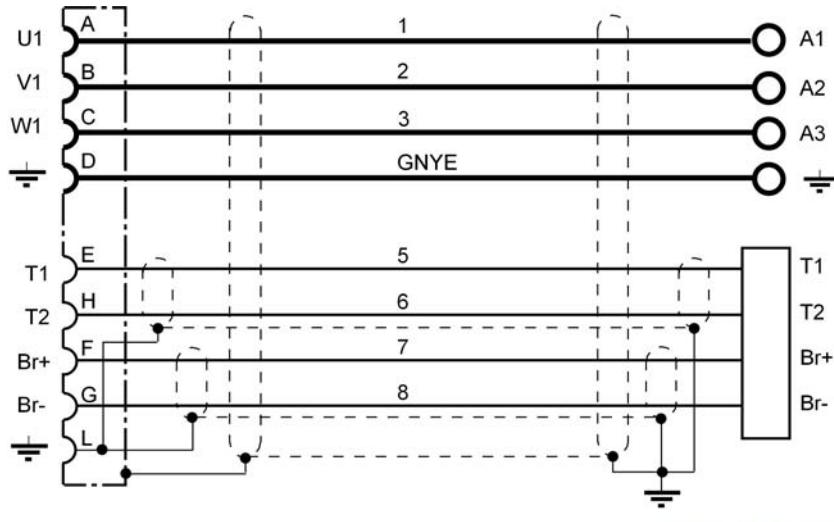
INS0381/C35

Bulk cable

INK0667

Plug-in connector for controller

RLS0724/K35

Interconnection diagram

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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Fig.24-202: Parts RKL4621

RKL4637

RKL4637

Plug-in connector
for motor

RLK0004

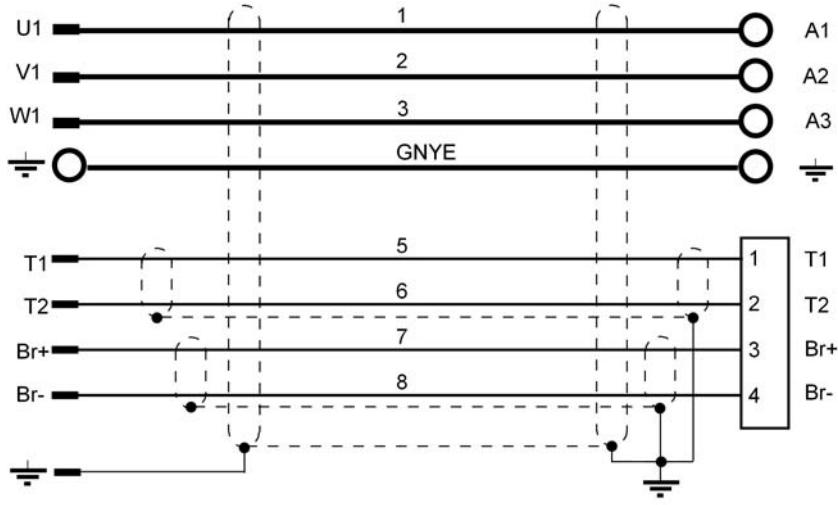
Bulk cable

INK0606

Plug-in connector
for controller

RLS0724/K16

Interconnection diagram



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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-203: *Parts RKL4637*

Connection Cables

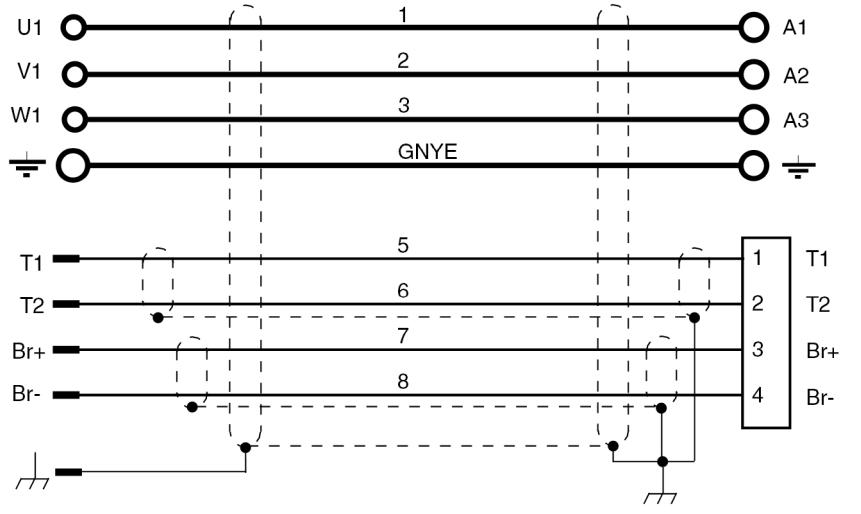
RKL4638**RKL4638**Plug-in connector
for motor**Bulk cable**

RLK0007

INK0667

Plug-in connector
for controller

RLS0727/K35

Interconnection diagram

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35.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-204: Parts RKL4638

RKL4644

RKL4644

Plug-in connector
for motor

RLK0006

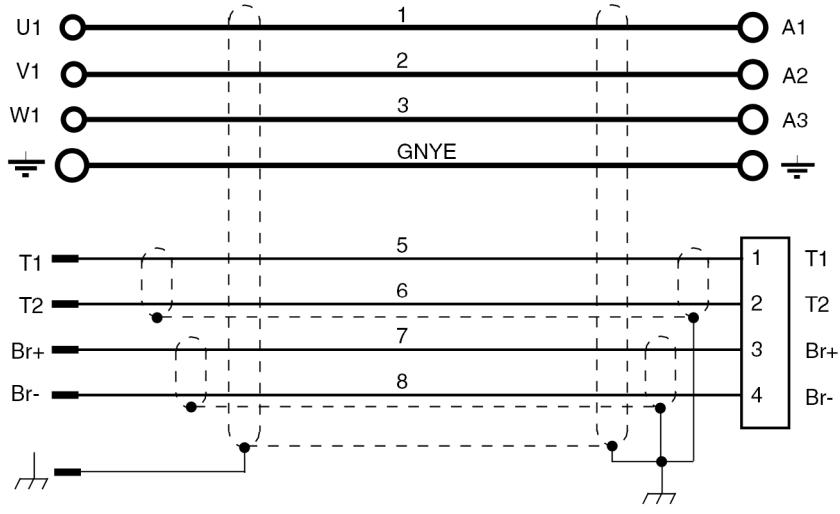
Bulk cable

INK0607

Plug-in connector
for controller

RLS0727/K25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-205: Parts RKL4644

Connection Cables

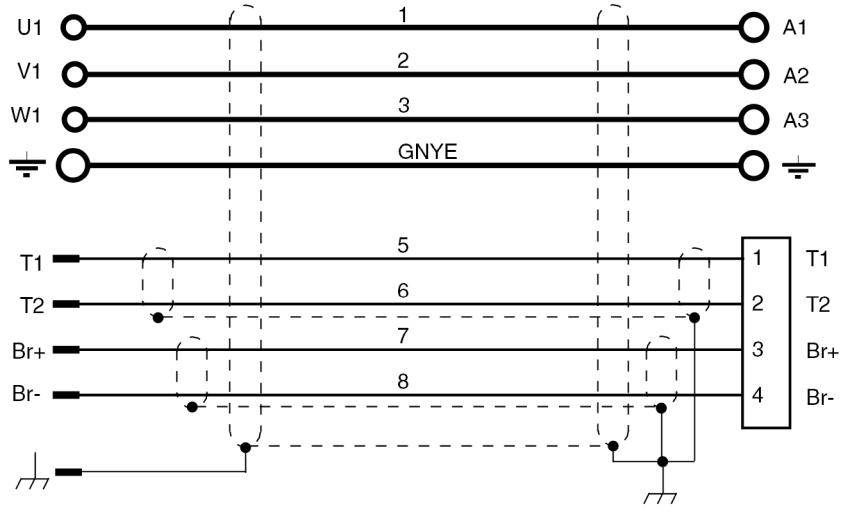
RKL4645**RKL4645**Plug-in connector
for motor**Bulk cable**

RLK0007

INK0607

Plug-in connector
for controller

RLS0723/K25

Interconnection diagram

KA000145v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-206: Parts RKL4645

RKL4646

RKL4646

Plug-in connector
for motor

RLK0007

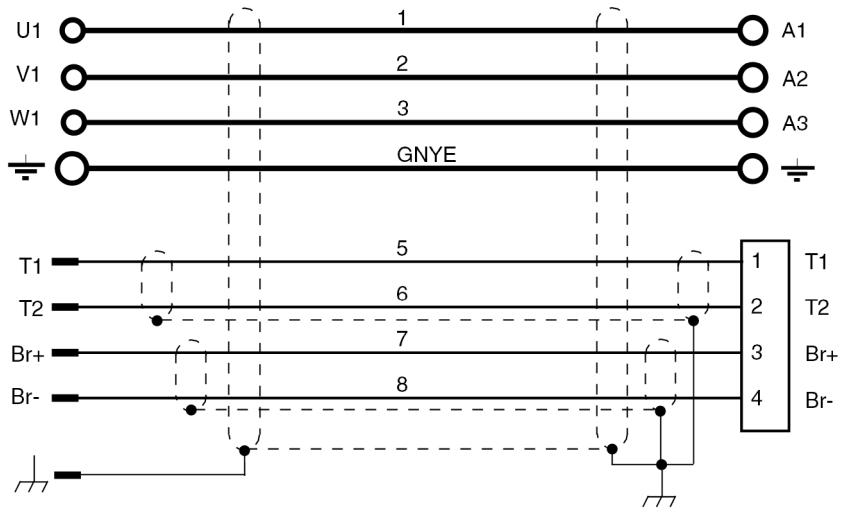
Bulk cable

INK0607

Plug-in connector
for controller

RLS0724/K25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-207: Parts RKL4646

Connection Cables

RKL47xx**RKL4700****RKL4700**

**Plug-in connector
for motor**

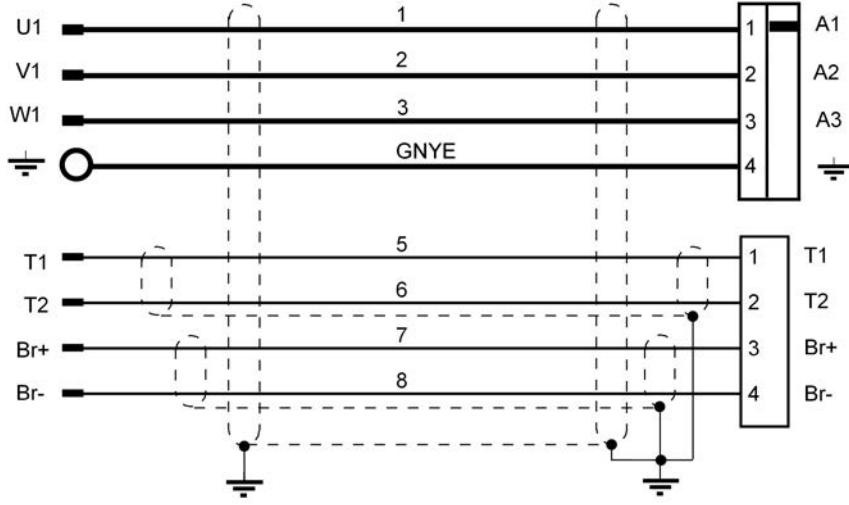
RLK1201

Bulk cable

INK0653

**Plug-in connector
for controller**

RLS0721/K01

Interconnection diagram

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1.0 mm² wires 1, 2, 3, GNYE0.75 mm² wires 5, 6, 7, 8

Fig.24-208: Parts RKL4700

Connection Cables

RKL4701

RKL4701

Plug-in connector
for motor

RLK1201

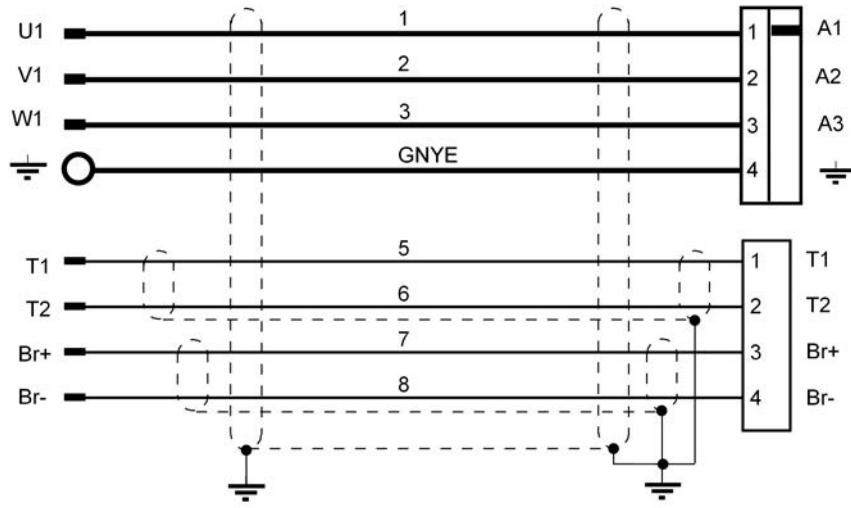
Bulk cable

INK0653

Plug-in connector
for controller

RLS0722/K01

Interconnection diagram



KA000039v01_nn.fh11

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1.0 mm² wires 1, 2, 3, GNYE

0.75 mm² wires 5, 6, 7, 8

Fig.24-209: Parts RKL4701

Connection Cables

RKL4702**RKL4702**

**Plug-in connector
for motor**

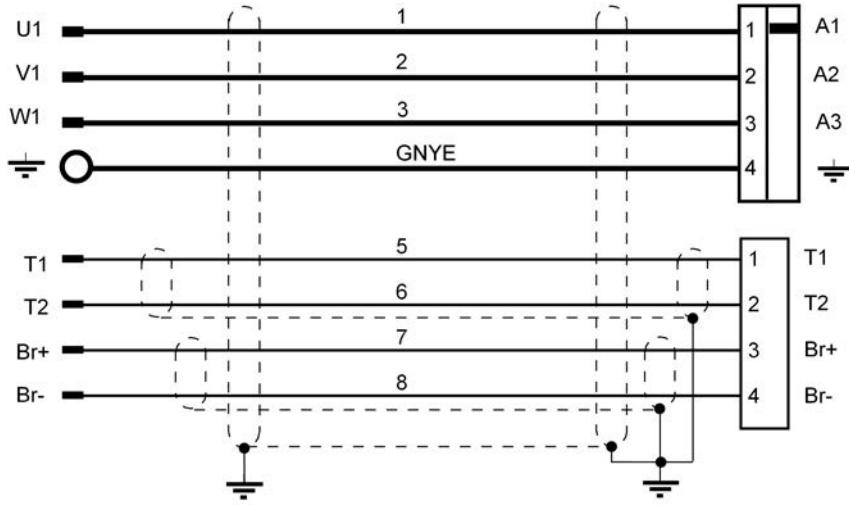
RLK1201

Bulk cable

INK0650

**Plug-in connector
for controller**

RLS0721/K02

Interconnection diagram

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1.5 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
Fig.24-210: Parts RKL4702

Connection Cables

RKL4703

RKL4703

Plug-in connector
for motor

RLK1201

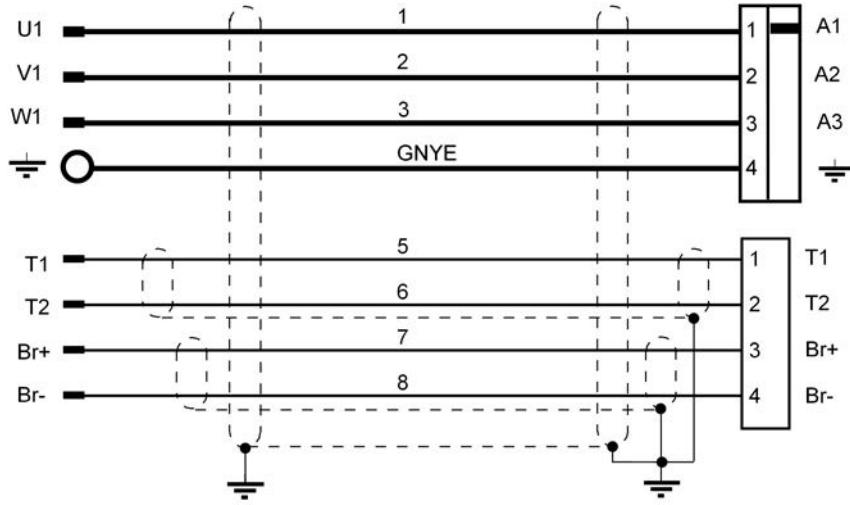
Bulk cable

INK0650

Plug-in connector
for controller

RLS0722/K02

Interconnection diagram



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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8

Fig.24-211: Parts RKL4703

Connection Cables

RKL4704**RKL4704**

**Plug-in connector
for motor**

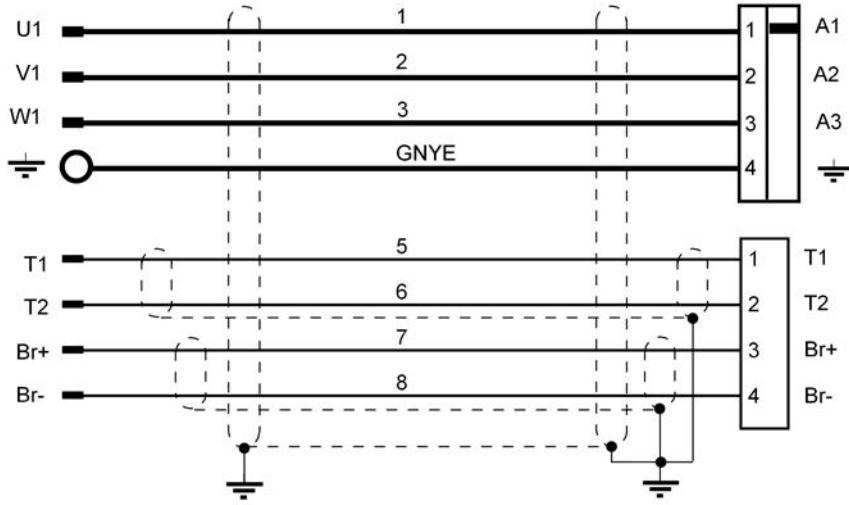
RLK1201

Bulk cable

INK0602

**Plug-in connector
for controller**

RLS0721/K03

Interconnection diagram

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2.5 mm² wires 1, 2, 3, GNYE
 1.0 mm² wires 5, 6, 7, 8
Fig.24-212: Parts RKL4704

Connection Cables

RKL4705

RKL4705

Plug-in connector
for motor

RLK1201

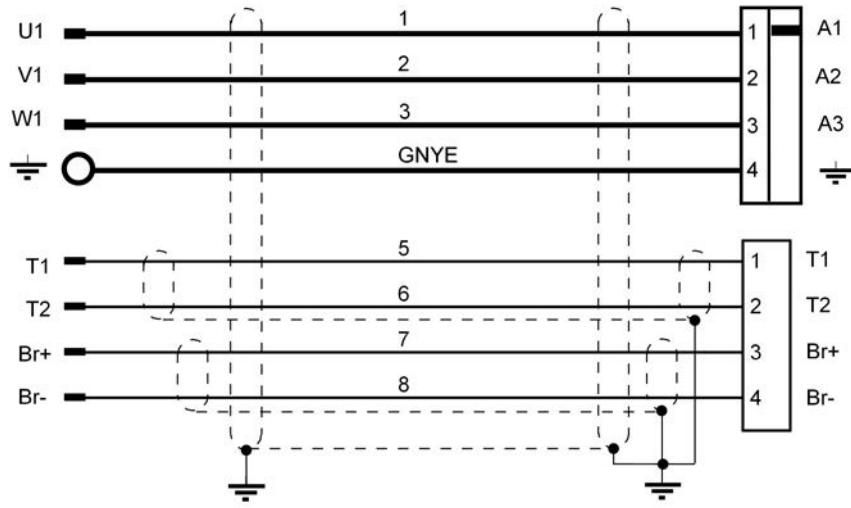
Bulk cable

INK0602

Plug-in connector
for controller

RLS0722/K03

Interconnection diagram



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2.5 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6, 7, 8

Fig.24-213: Parts RKL4705

Connection Cables

RKL4706**RKL4706**

**Plug-in connector
for motor**

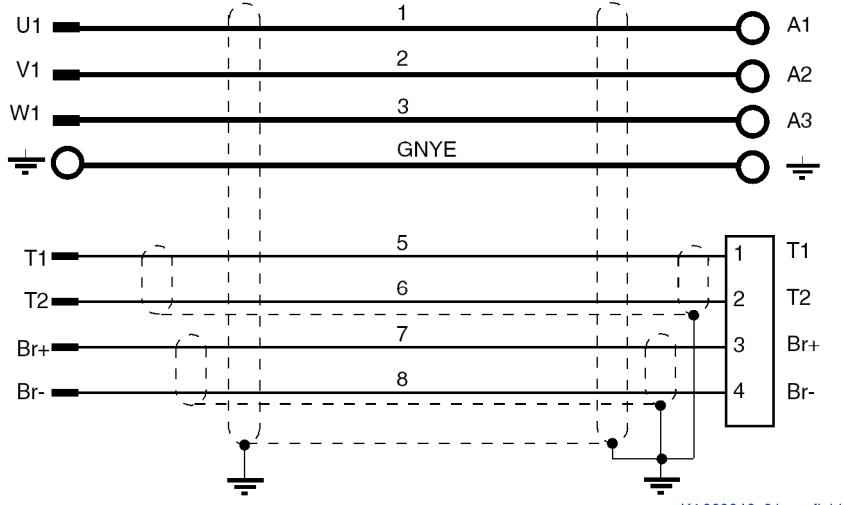
RLK1201

Bulk cable

INK0602

**Plug-in connector
for controller**

RLS0723/K03

Interconnection diagram

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-214: Parts RKL4706

RKL4707

RKL4707

Plug-in connector
for motor

RLK1201

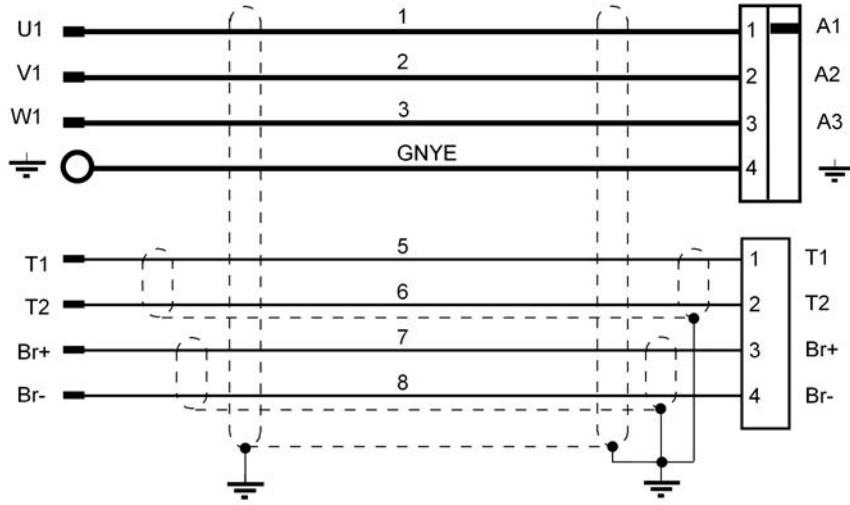
Bulk cable

INK0603

Plug-in connector
for controller

RLS0721/K04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-215: Parts RKL4707

Connection Cables

RKL4708**RKL4708**

**Plug-in connector
for motor**

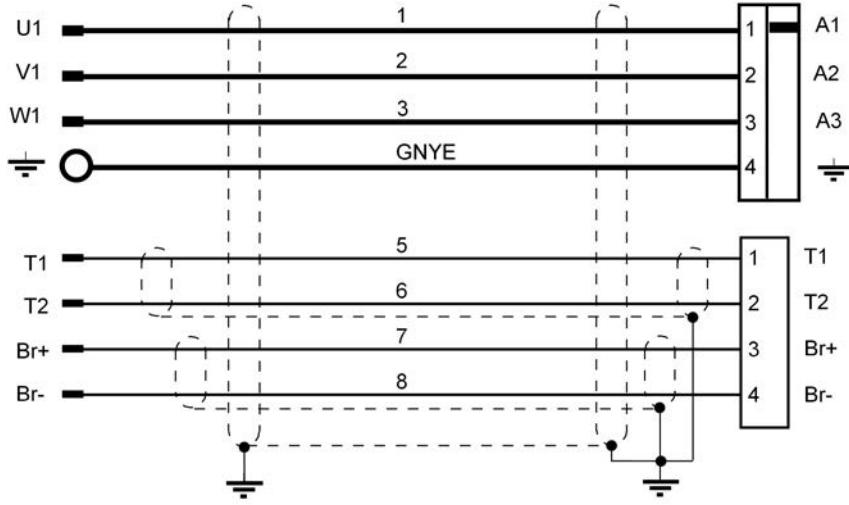
RLK1201

Bulk cable

INK0603

**Plug-in connector
for controller**

RLS0722/K04

Interconnection diagram

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4.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8Fig.24-216: *Parts RKL4708*

RKL4709

RKL4709

Plug-in connector
for motor

RLK1201

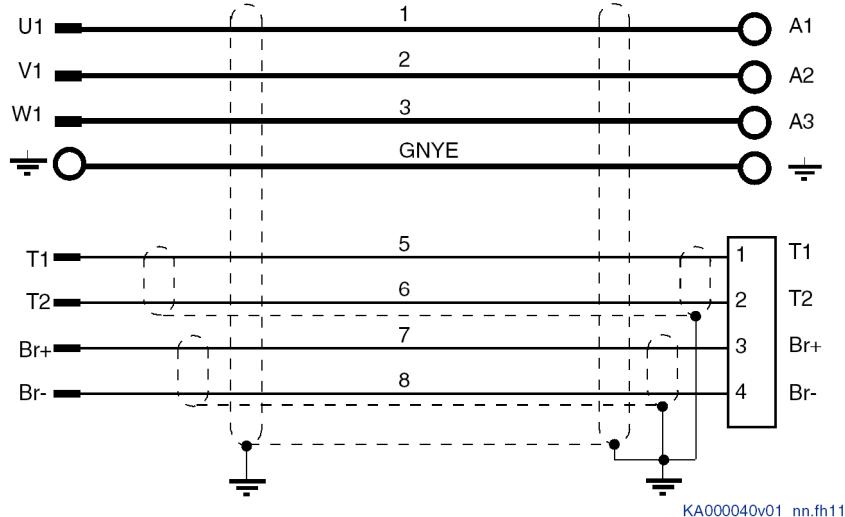
Bulk cable

INK0603

Plug-in connector
for controller

RLS0723/K04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-217: Parts RKL4709

Connection Cables

RKL4710**RKL4710**

**Plug-in connector
for motor**

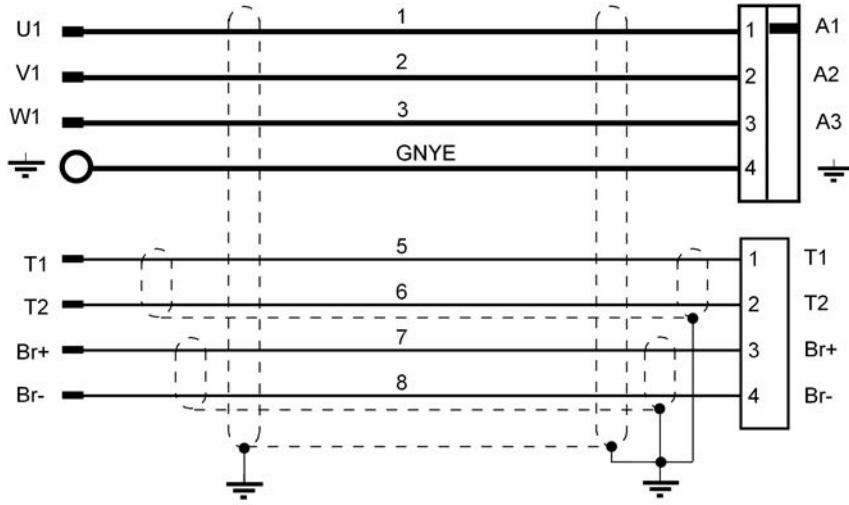
Bulk cable

RLK1201

INK0604

**Plug-in connector
for controller**

RLS0721/K06

Interconnection diagram

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6.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
Fig.24-218: Parts RKL4710

RKL4711

RKL4711

Plug-in connector
for motor

RLK1201

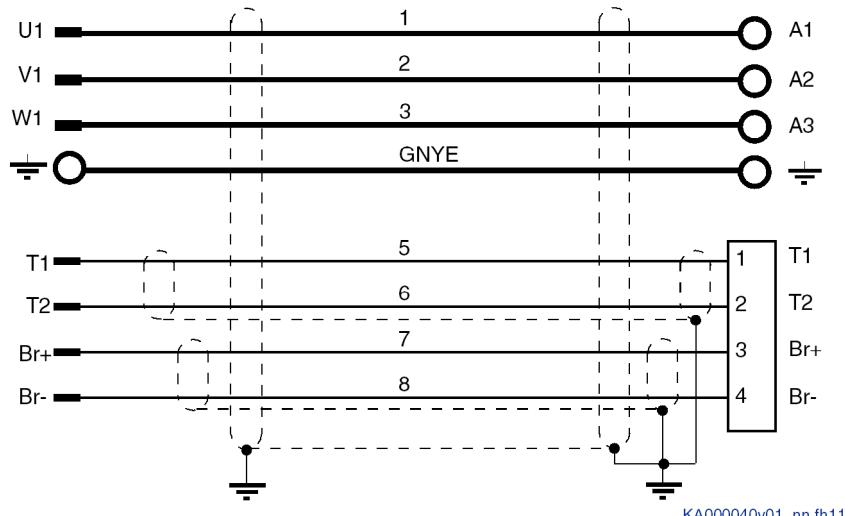
Bulk cable

INK0604

Plug-in connector
for controller

RLS0723/K06

Interconnection diagram



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6.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-219: Parts RKL4711

Connection Cables

RKL4712**RKL4712**

**Plug-in connector
for motor**

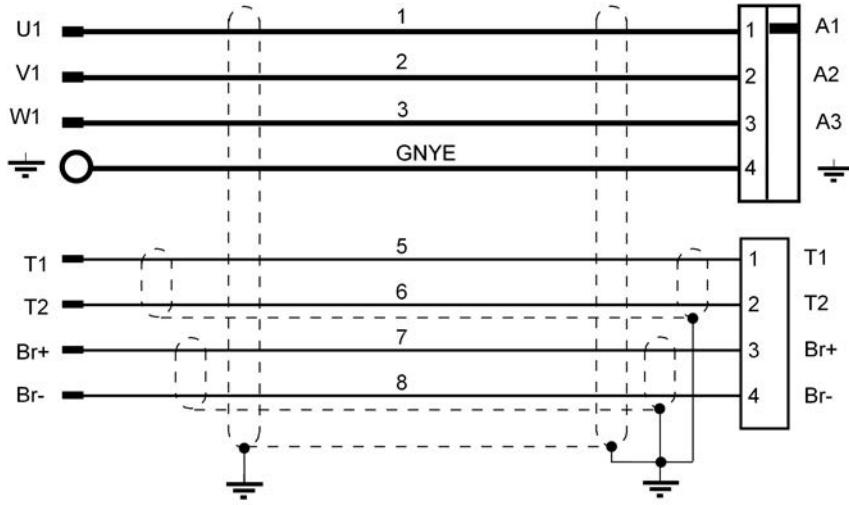
RLK1201

Bulk cable

INK0605

**Plug-in connector
for controller**

RLS0721/K10

Interconnection diagram

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10.0 mm² wires 1, 2, 3, GNYE
 1.0 mm² wires 5, 6
 1.5 mm² wires 7, 8

Fig.24-220: *Parts RKL4712*

RKL4713

RKL4713

Plug-in connector
for motor

RLK1201

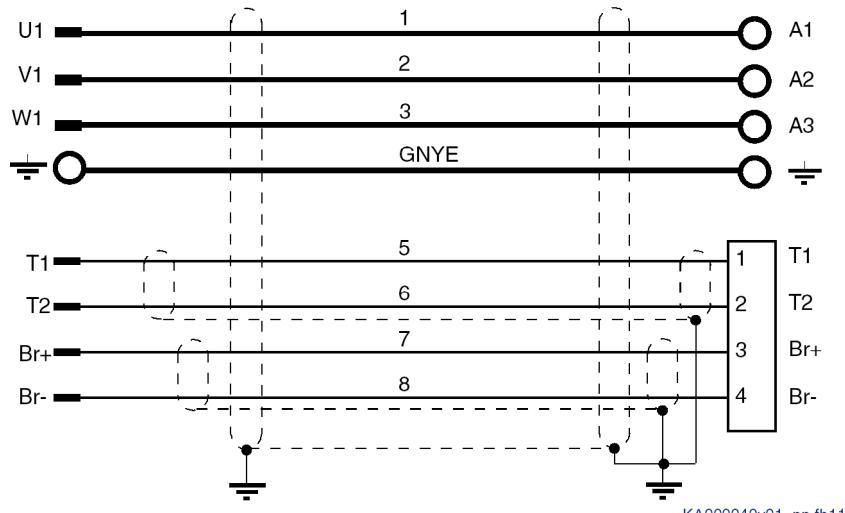
Bulk cable

INK0605

Plug-in connector
for controller

RLS0723/K10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-221: Parts RKL4713

Connection Cables

RKL4714**RKL4714**

**Plug-in connector
for motor**

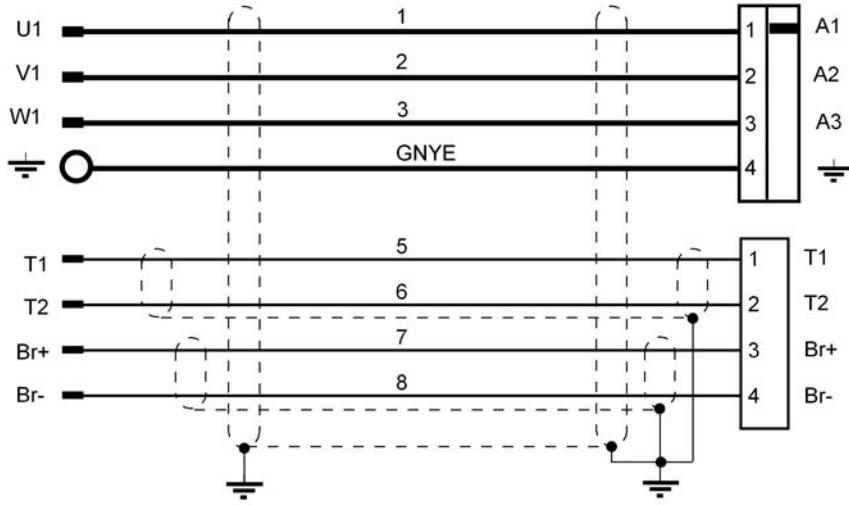
RLK1301

Bulk cable

INK0650

**Plug-in connector
for controller**

RLS0721/K02

Interconnection diagram

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1.5 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
Fig.24-222: Parts RKL4714

Connection Cables

RKL4715

RKL4715

Plug-in connector
for motor

RLK1301

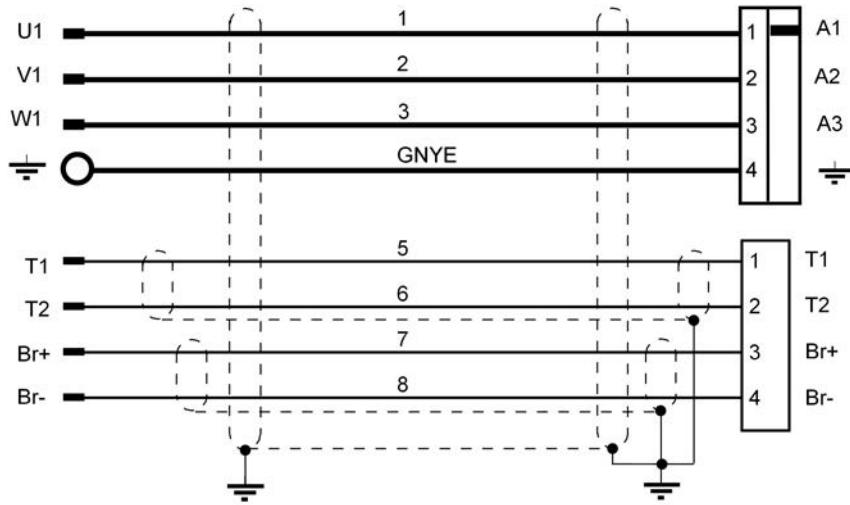
Bulk cable

INK0650

Plug-in connector
for controller

RLS0722/K02

Interconnection diagram



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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Fig.24-223: Parts RKL4715

Connection Cables

RKL4716**RKL4716**Plug-in connector
for motor

Bulk cable

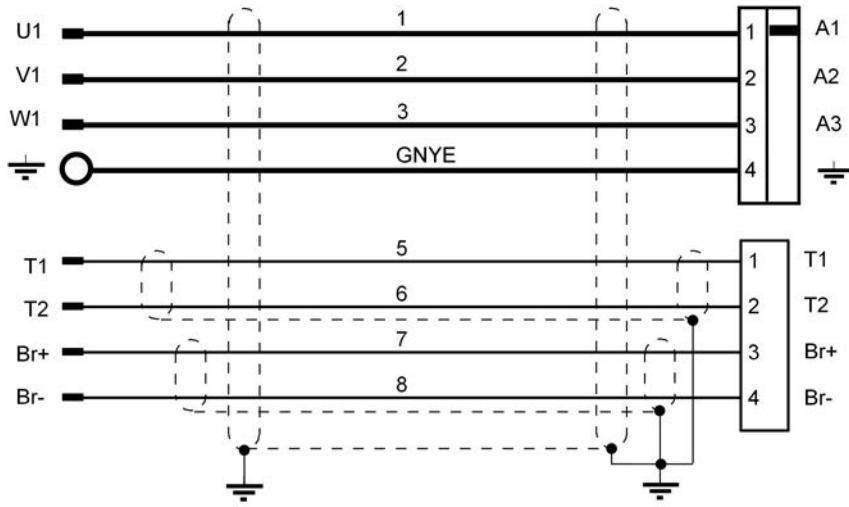
RLK1301

INK0602

Plug-in connector
for controller

RLS0721/K03

Interconnection diagram



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2.5 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6, 7, 8

Fig.24-224: Parts RKL4716

Connection Cables

RKL4717

RKL4717

Plug-in connector
for motor

RLK1301

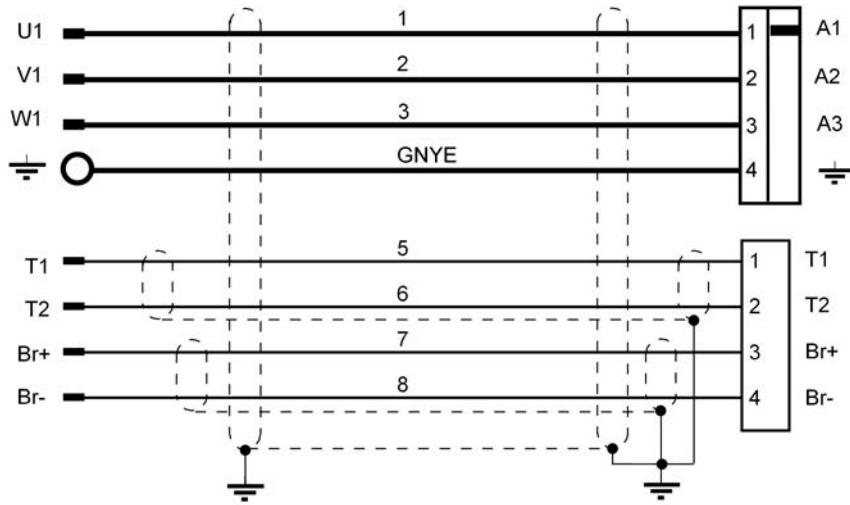
Bulk cable

INK0602

Plug-in connector
for controller

RLS0722/K03

Interconnection diagram



KA000039v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8

Fig.24-225: Parts RKL4717

Connection Cables

RKL4718**RKL4718**

**Plug-in connector
for motor**

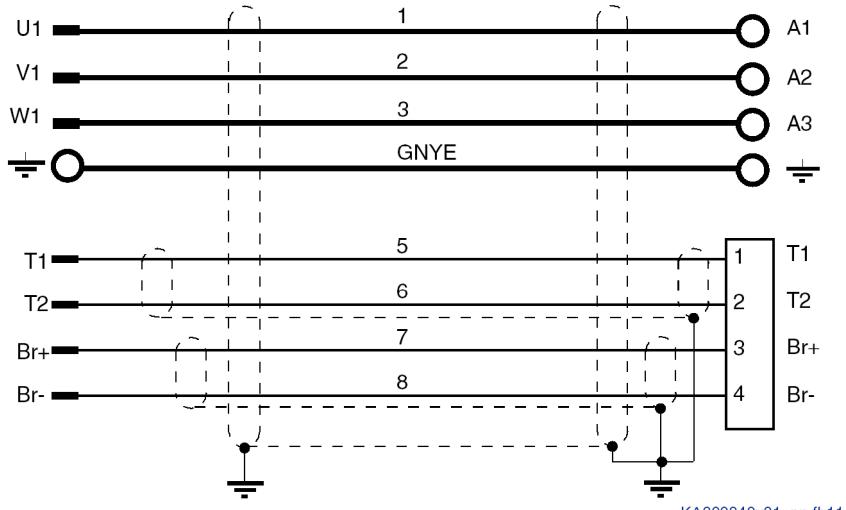
RLK1301

Bulk cable

INK0602

**Plug-in connector
for controller**

RLS0723/K03

Interconnection diagram

KA000040v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 6, 7, 8

Fig.24-226: Parts RKL4718

Connection Cables

RKL4719

RKL4719

Plug-in connector
for motor

RLK1301

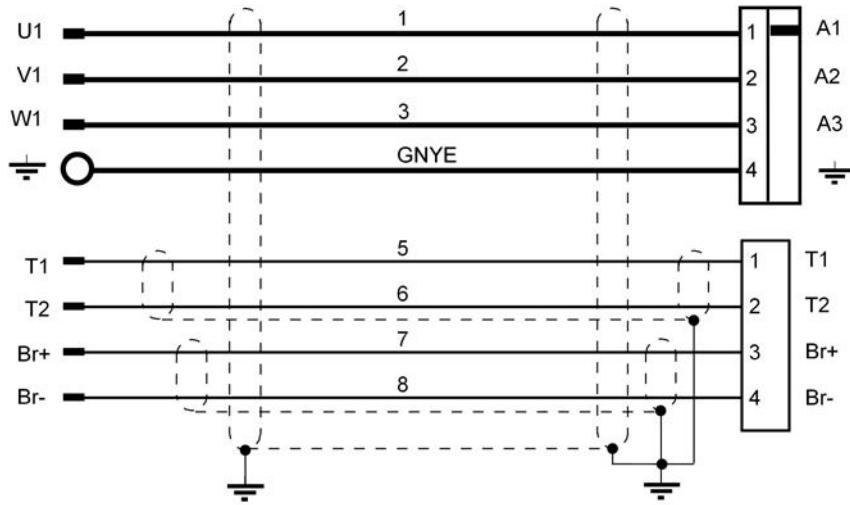
Bulk cable

INK0603

Plug-in connector
for controller

RLS0721/K04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-227: Parts RKL4719

Connection Cables

RKL4720**RKL4720**

**Plug-in connector
for motor**

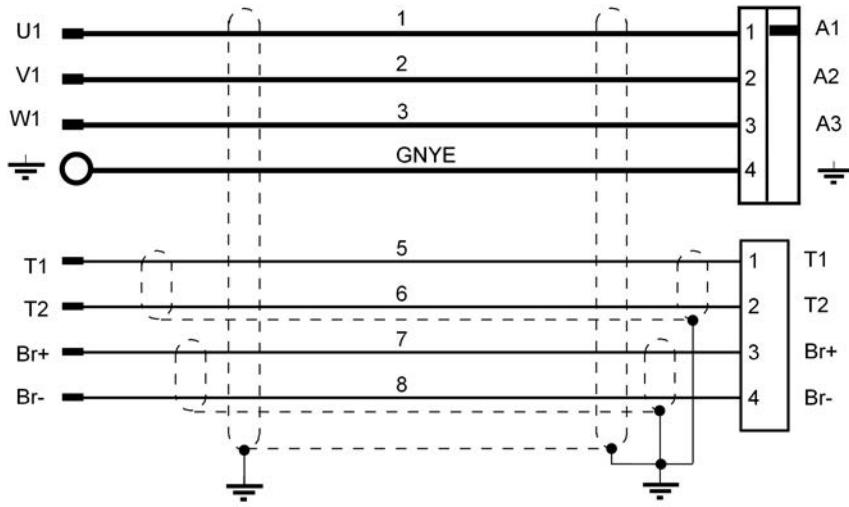
Bulk cable

RLK1301

INK0603

**Plug-in connector
for controller**

RLS0722/K04

Interconnection diagram

KA000039v01_nn.fh11

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4.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-228: Parts RKL4720

RKL4721

RKL4721

Plug-in connector
for motor

RLK1301

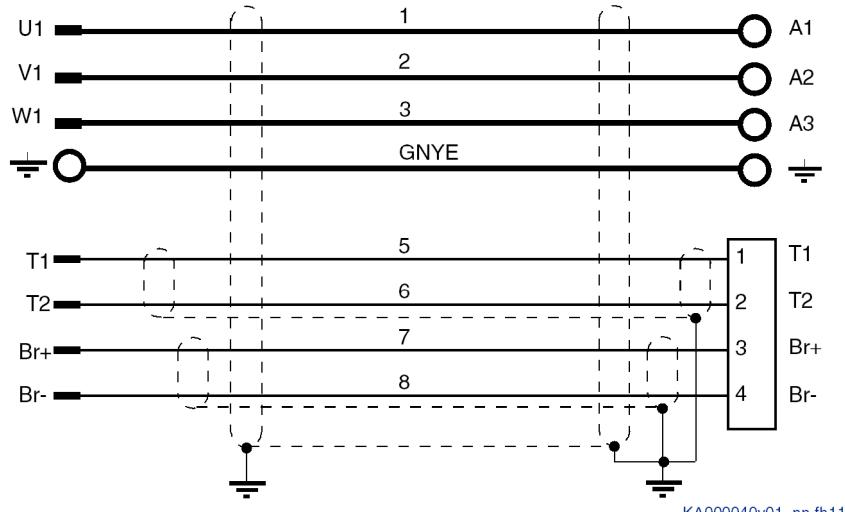
Bulk cable

INK0603

Plug-in connector
for controller

RLS0723/K04

Interconnection diagram



KA000040v01_nn.fh11

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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-229: Parts RKL4721

Connection Cables

RKL4722**RKL4722**

**Plug-in connector
for motor**

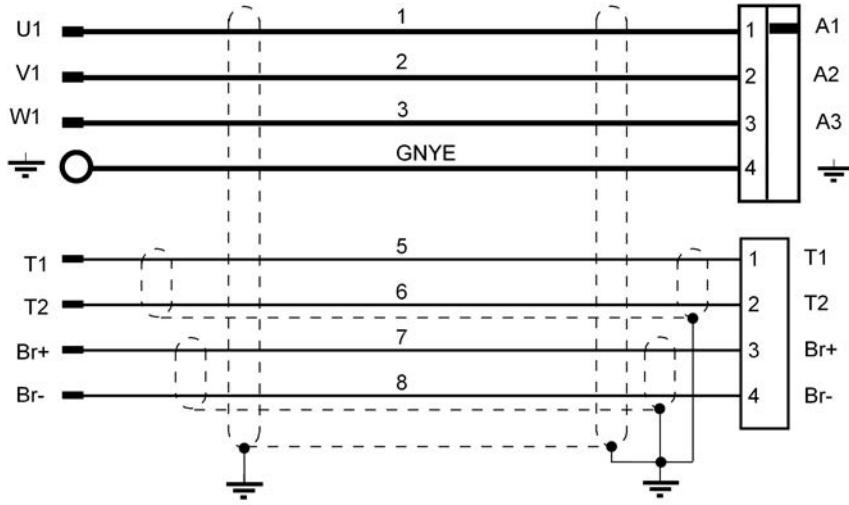
RLK1301

Bulk cable

INK0604

**Plug-in connector
for controller**

RLS0721/K06

Interconnection diagram

KA000039v01_nn.fh11

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6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-230: Parts RKL4722

RKL4723

RKL4723

Plug-in connector
for motor

RLK1301

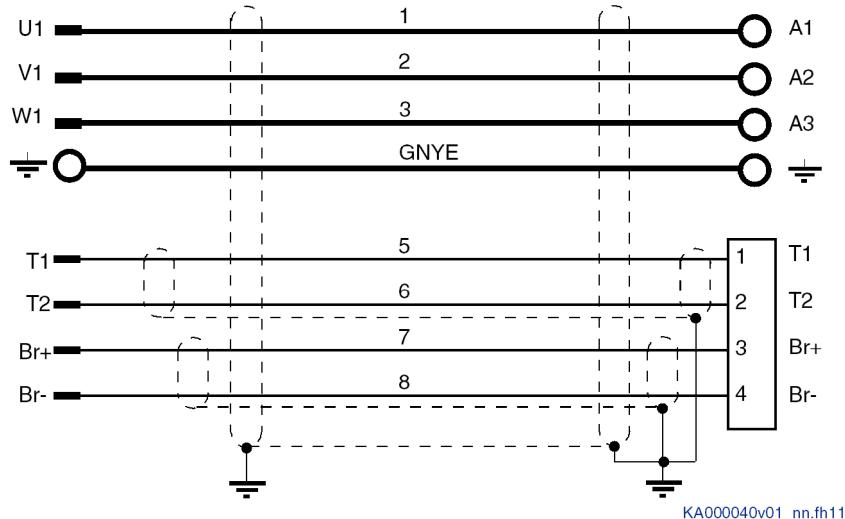
Bulk cable

INK0604

Plug-in connector
for controller

RLS0723/K06

Interconnection diagram



KA000040v01_nn.fh11

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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-231: Parts RKL4723

Connection Cables

RKL4724**RKL4724**

**Plug-in connector
for motor**

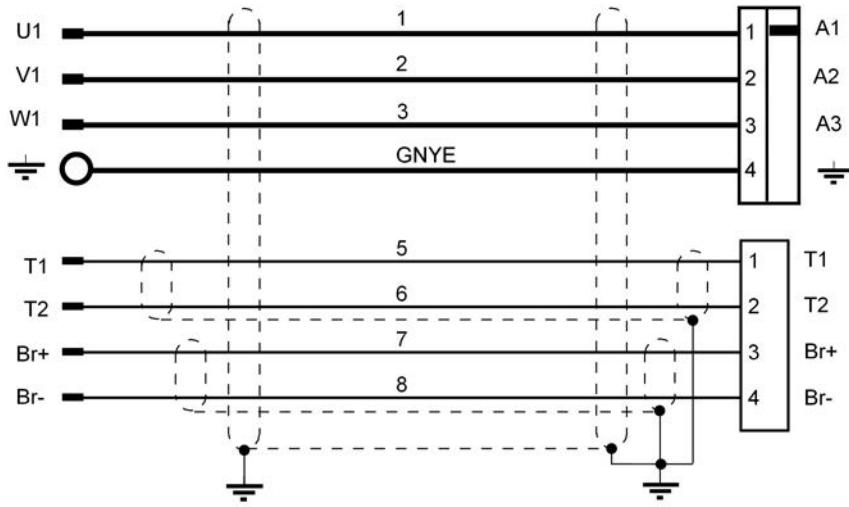
Bulk cable

RLK1301

INK0605

**Plug-in connector
for controller**

RLS0721/K10

Interconnection diagram

KA000039v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-232: Parts RKL4724

RKL4725

RKL4725

Plug-in connector
for motor

RLK1301

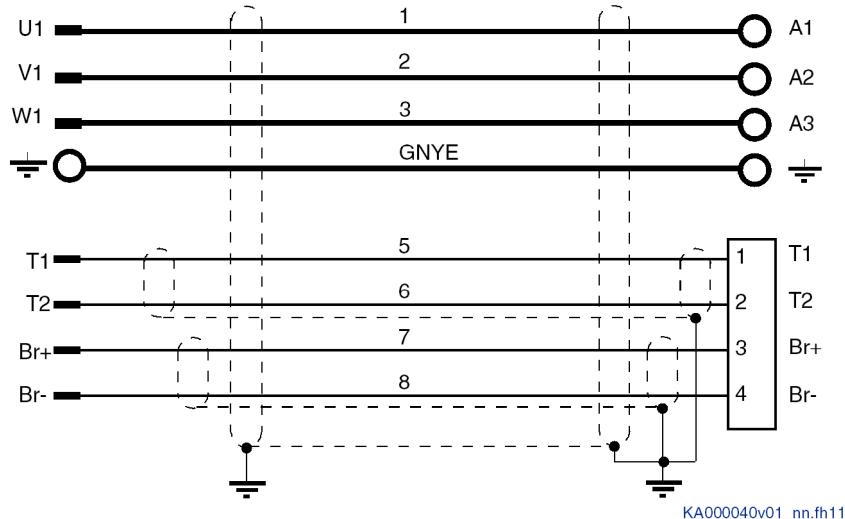
Bulk cable

INK0605

Plug-in connector
for controller

RLS0723/K10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-233: Parts RKL4725

Connection Cables

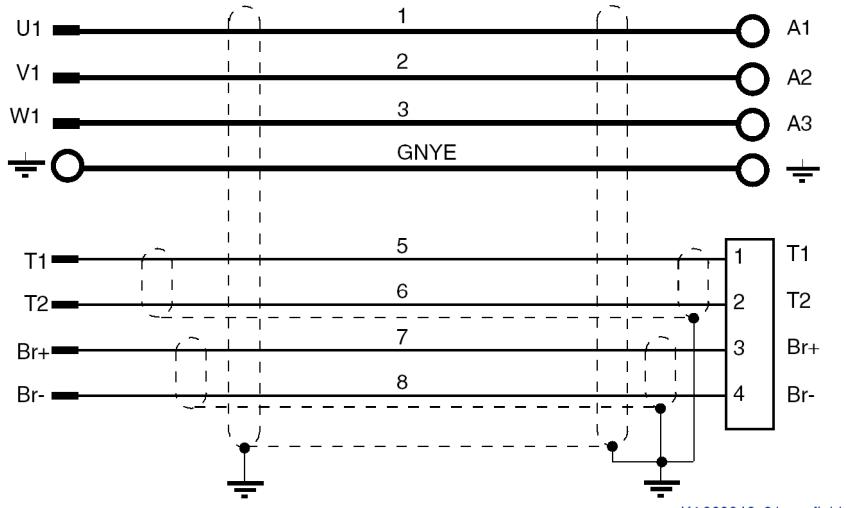
RKL4726**RKL4726**Plug-in connector
for motor**Bulk cable**

RLK1301

INK0606

Plug-in connector
for controller

RLS0723/K16

Interconnection diagram

KA000040v01_nn.fh11

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16.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-234: Parts RKL4726

RKL4727

RKL4727

Plug-in connector
for motor

RLK1301

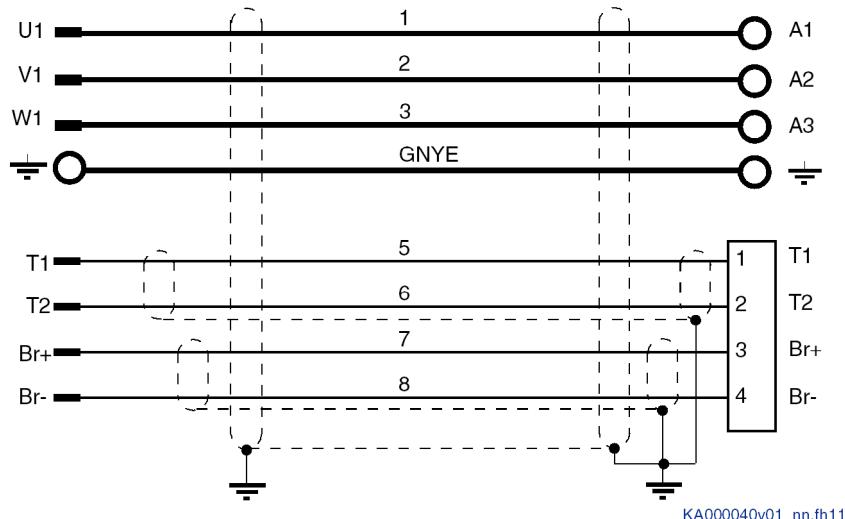
Bulk cable

INK0607

Plug-in connector
for controller

RLS0723/K25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-235: Parts RKL4727

Connection Cables

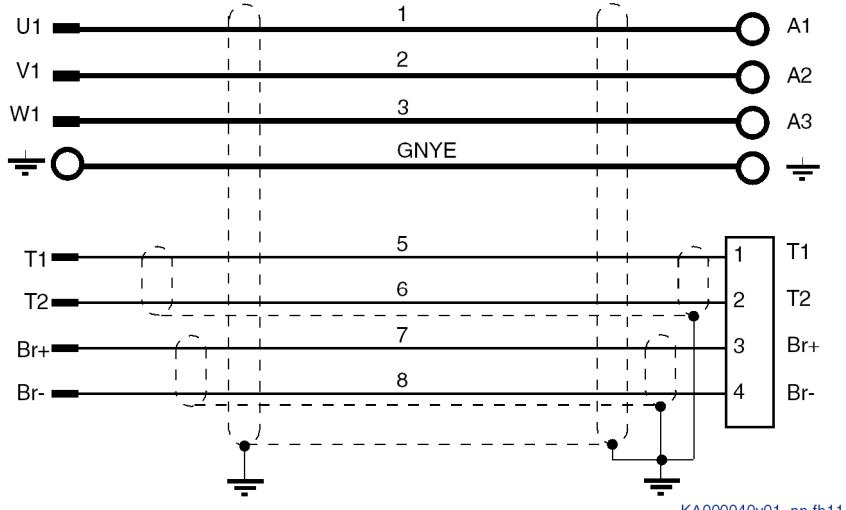
RKL4728**RKL4728**Plug-in connector
for motor**Bulk cable**

RLK1301

INK0607

Plug-in connector
for controller

RLS0724/K25

Interconnection diagram

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25.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

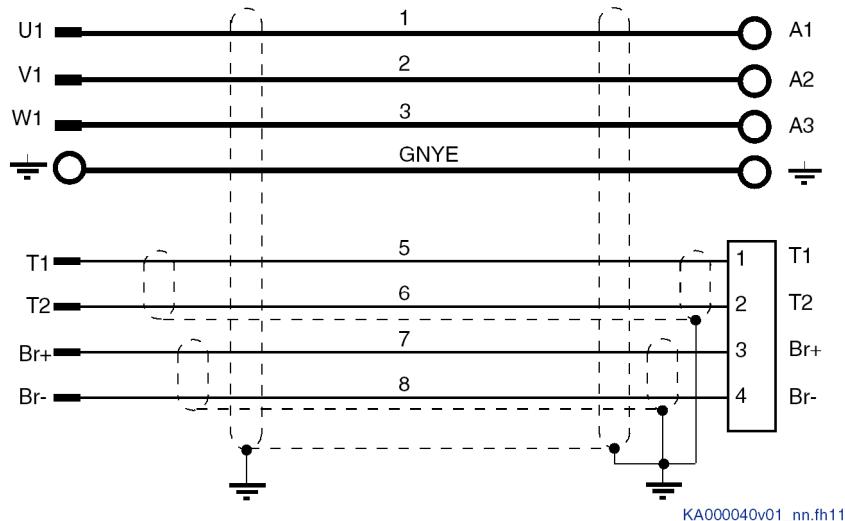
Fig.24-236: Parts RKL4728

RKL4729

RKL4729

Plug-in connector for motor	Bulk cable	Plug-in connector for controller
RLK1301	INK0667	RLS0723/K35

Interconnection diagram



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35.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-237: Parts RKL4729

Connection Cables

RKL4730**RKL4730**

**Plug-in connector
for motor**

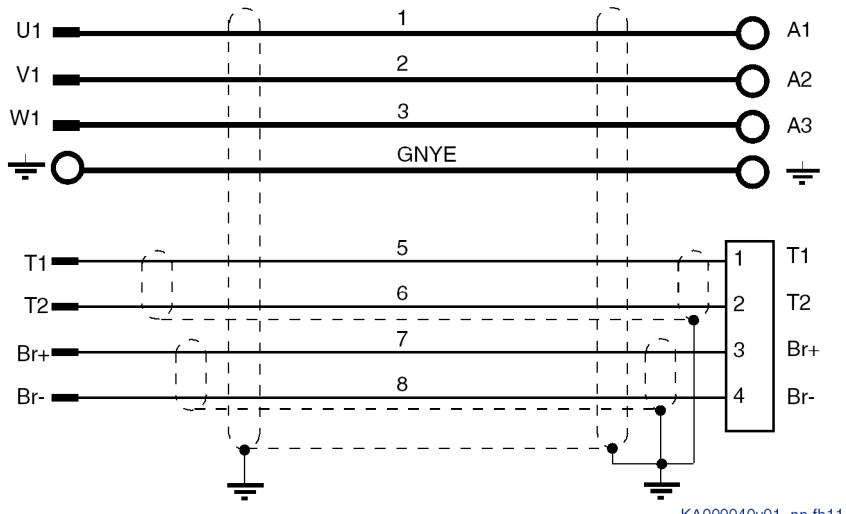
Bulk cable

RLK1301

INK0667

**Plug-in connector
for controller**

RLS0724/K35

Interconnection diagram

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35.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Fig.24-238: Parts RKL4730

Connection Cables

RKL4731

RKL4731

Plug-in connector
for motor

RLK1401

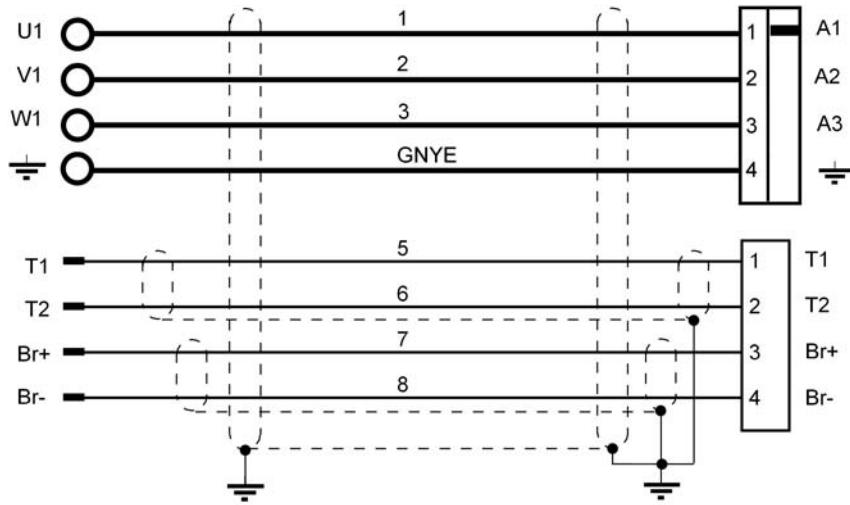
Bulk cable

INK0604

Plug-in connector
for controller

RLS0721/K06

Interconnection diagram



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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-239: Parts RKL4731

Connection Cables

RKL4732**RKL4732**

**Plug-in connector
for motor**

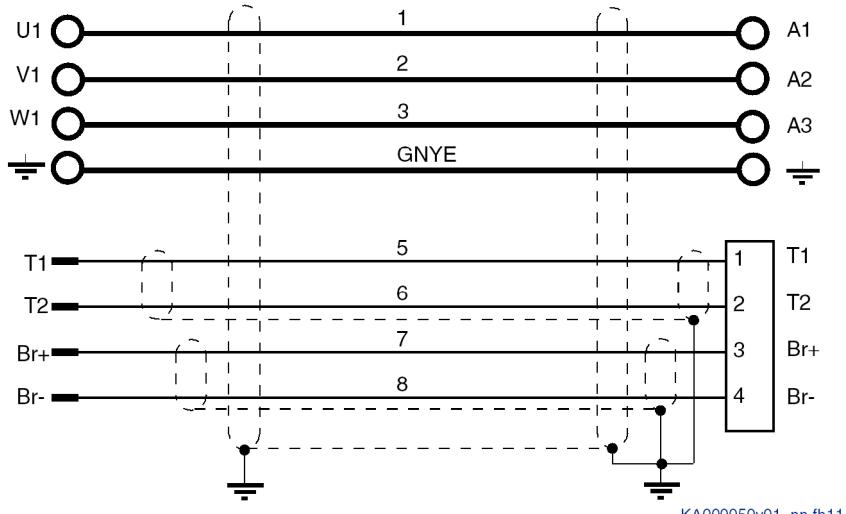
RLK1401

Bulk cable

INK0604

**Plug-in connector
for controller**

RLS0723/K06

Interconnection diagram

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6.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8Fig.24-240: *Parts RKL4732*

Connection Cables

RKL4733

RKL4733

Plug-in connector
for motor

RLK1401

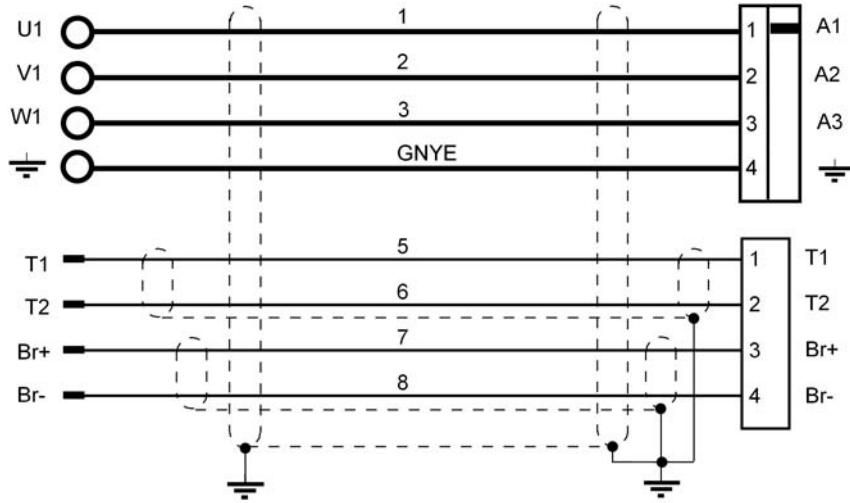
Bulk cable

INK0605

Plug-in connector
for controller

RLS0721/K10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-241: Parts RKL4733

Connection Cables

RKL4734**RKL4734**

**Plug-in connector
for motor**

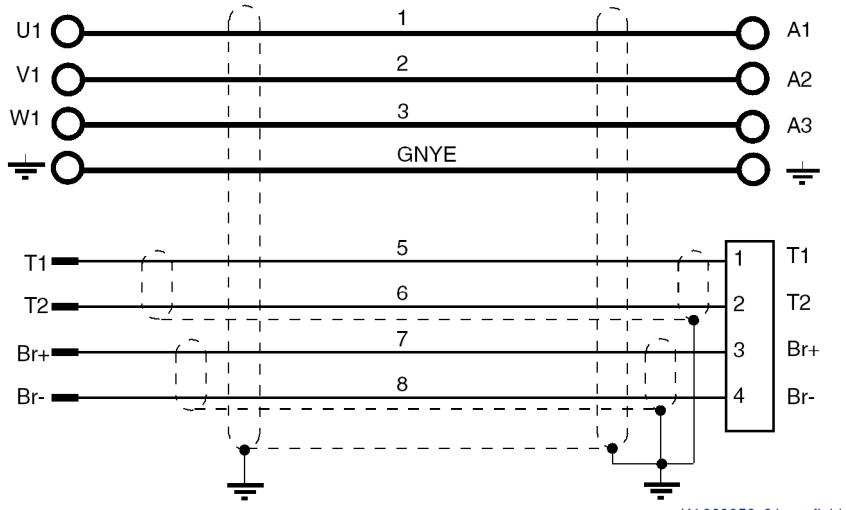
RLK1401

Bulk cable

INK0605

**Plug-in connector
for controller**

RLS0723/K10

Connection plan

KA000050v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Fig.24-242: Single parts RKL4734

RKL4735

RKL4735

Plug-in connector
for motor

RLK1401

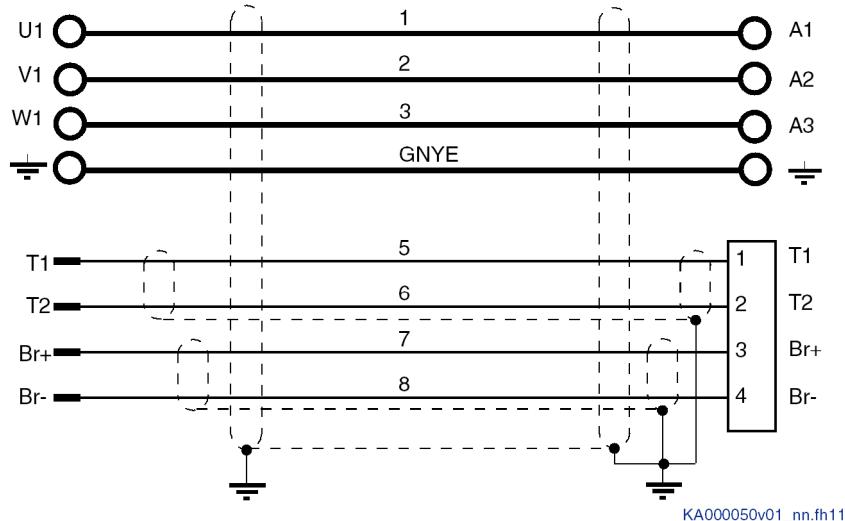
Bulk cable

INK0606

Plug-in connector
for controller

RLS0723/K16

Interconnection diagram



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16.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-243: Parts RKL4735

Connection Cables

RKL4736**RKL4736**

**Plug-in connector
for motor**

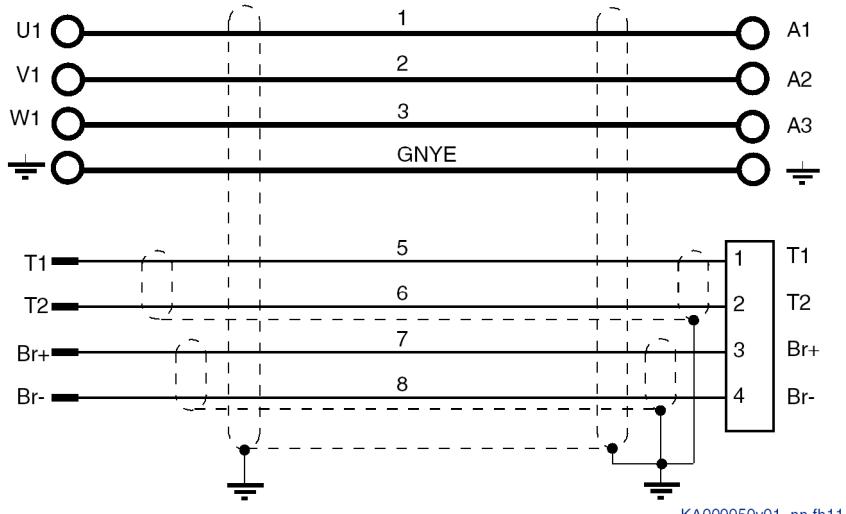
RLK1401

Bulk cable

INK0607

**Plug-in connector
for controller**

RLS0723/K25

Interconnection diagram

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25.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-244: Parts RKL4736

RKL4737

RKL4737

Plug-in connector
for motor

RLK1401

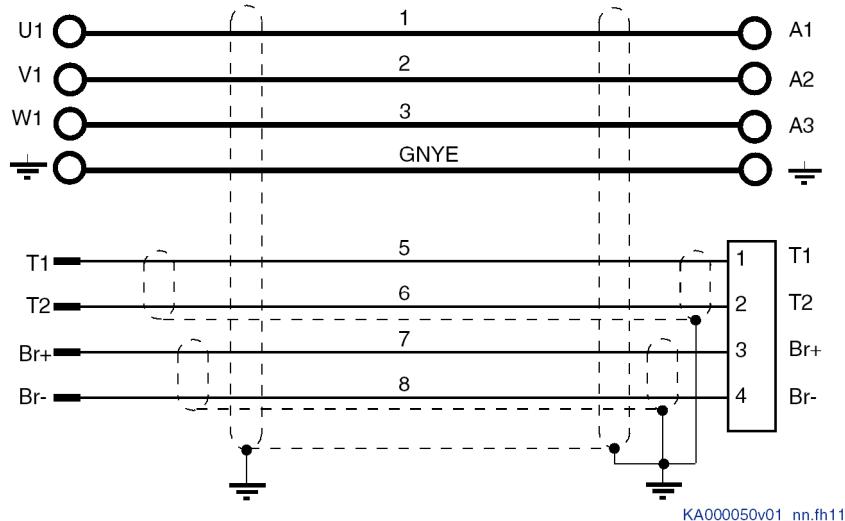
Bulk cable

INK0607

Plug-in connector
for controller

RLS0724/K25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-245: Parts RKL4737

Connection Cables

RKL4738**RKL4738**

**Plug-in connector
for motor**

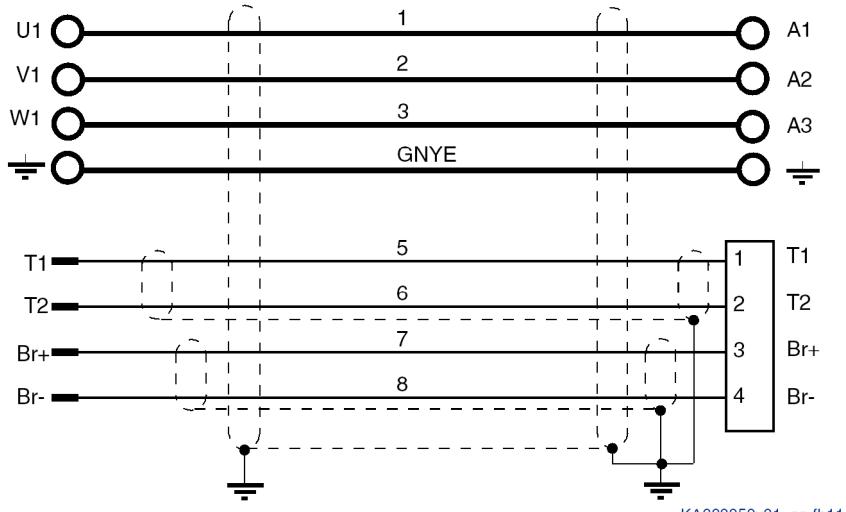
RLK1401

Bulk cable

INK0668

**Plug-in connector
for controller**

RLS0723/K50

Interconnection diagram

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50.0 mm² wires 1, 2, 3, GNYE2.5 mm² wires 5, 6, 7, 8

Fig.24-246: Parts RKL4738

RKL4739

RKL4739

Plug-in connector
for motor

RLK1401

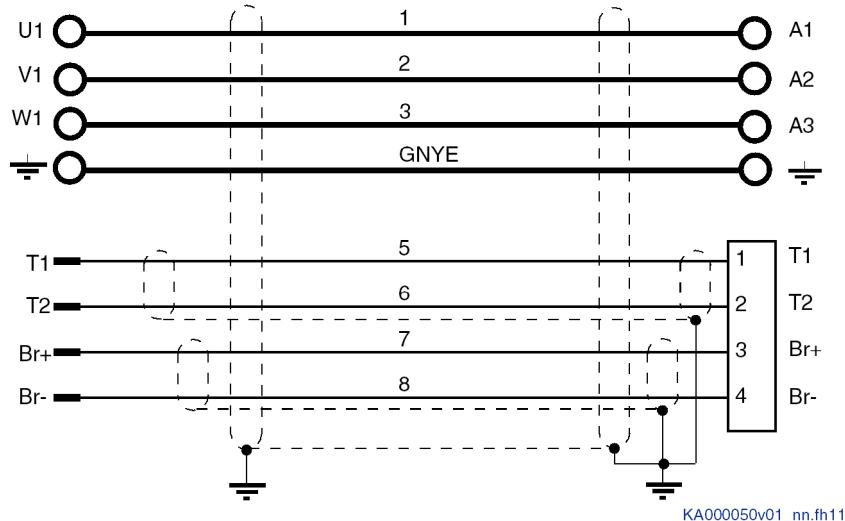
Bulk cable

INK0668

Plug-in connector
for controller

RLS0724/K50

Interconnection diagram



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50.0 mm² wires 1, 2, 3, GNYE

2.5 mm² wires 5, 6, 7, 8

Fig.24-247: Parts RKL4739

Connection Cables

RKL4740**RKL4740**

**Plug-in connector
for motor**

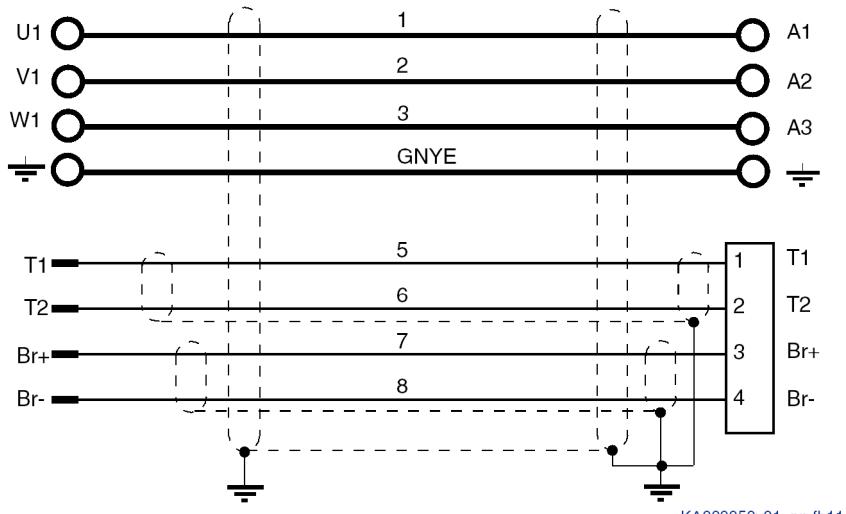
Bulk cable

RLK1501

INK0606

**Plug-in connector
for controller**

RLS0723/K16

Interconnection diagram

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16.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-248: Parts RKL4740

RKL4741

RKL4741

Plug-in connector
for motor

RLK1501

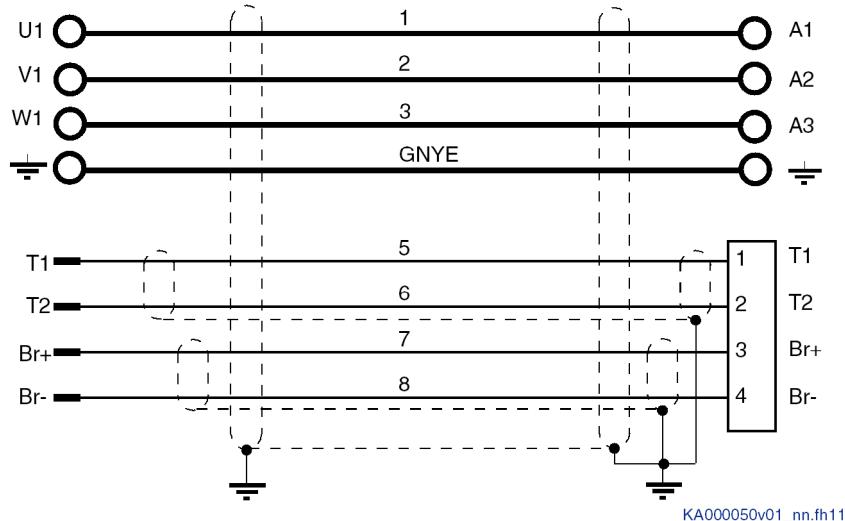
Bulk cable

INK0607

Plug-in connector
for controller

RLS0723/K25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-249: Parts RKL4741

Connection Cables

RKL4742**RKL4742**

**Plug-in connector
for motor**

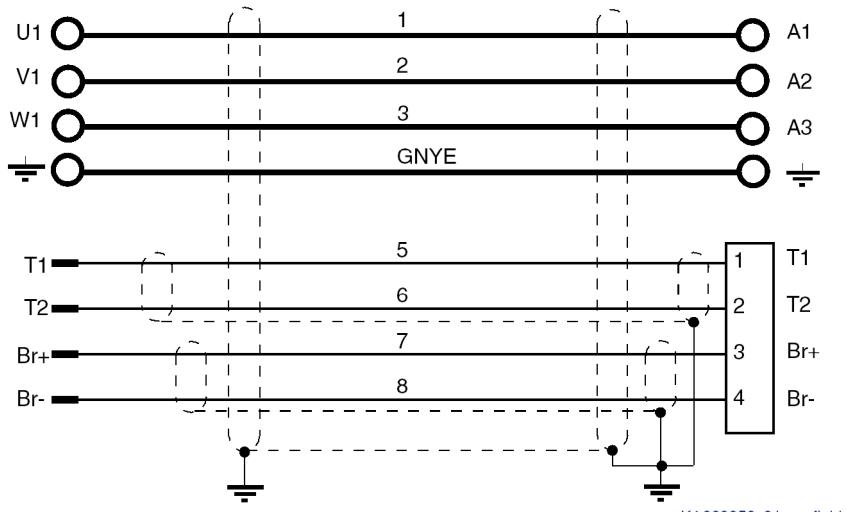
Bulk cable

RLK1501

INK0607

**Plug-in connector
for controller**

RLS0724/K25

Interconnection diagram

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25.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-250: Parts RKL4742

RKL4743

RKL4743

Plug-in connector
for motor

RLK1501

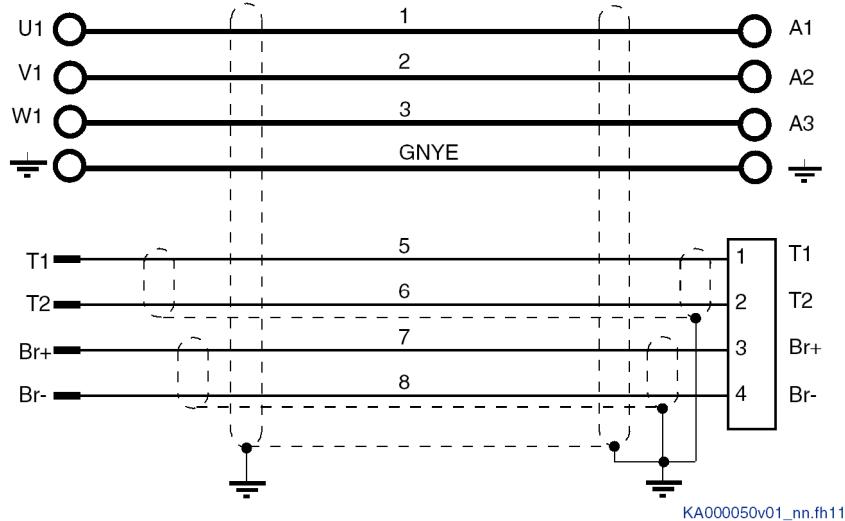
Bulk cable

INK0667

Plug-in connector
for controller

RLS0723/K35

Interconnection diagram



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35.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-251: Parts RKL4743

Connection Cables

RKL4744**RKL4744**Plug-in connector
for motor

Bulk cable

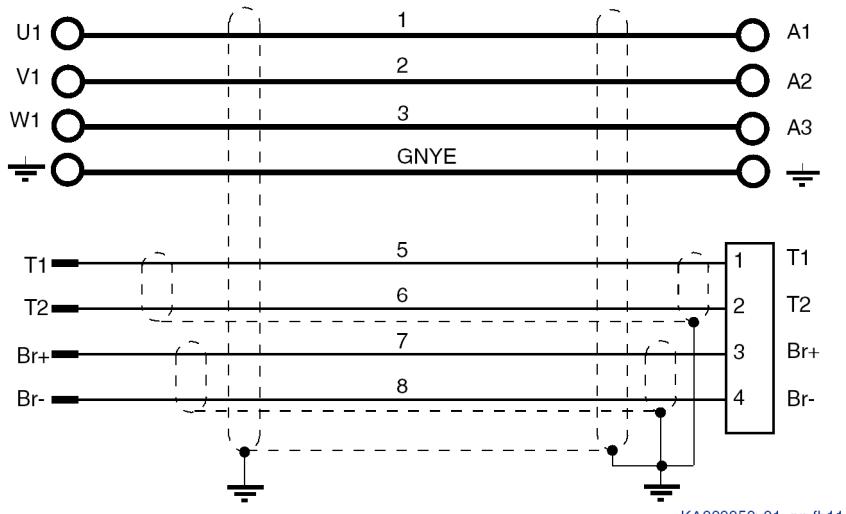
RLK1501

INK0667

Plug-in connector
for controller

RLS0724/K35

Interconnection diagram



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35.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-252: Parts RKL4744

RKL4745

RKL4745

Plug-in connector
for motor

RLK1501

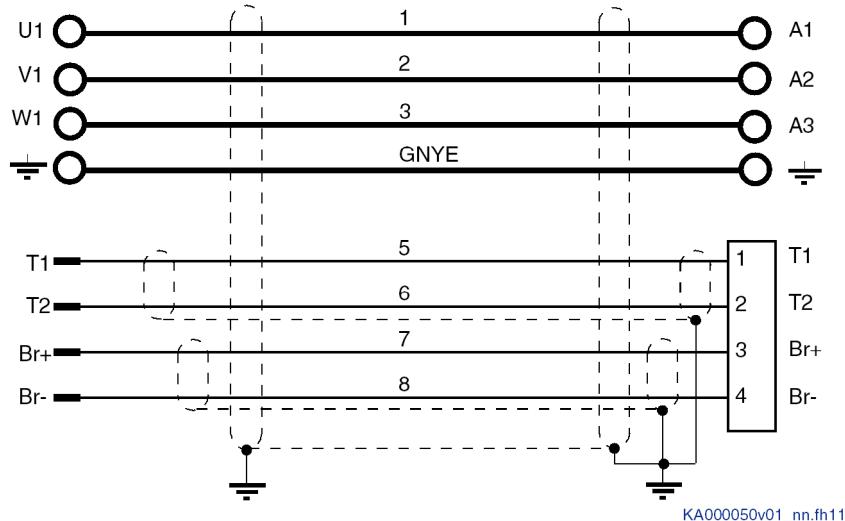
Bulk cable

INK0668

Plug-in connector
for controller

RLS0723/K50

Interconnection diagram



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50.0 mm² wires 1, 2, 3, GNYE

2.5 mm² wires 5, 6, 7, 8

Fig.24-253: Parts RKL4745

Connection Cables

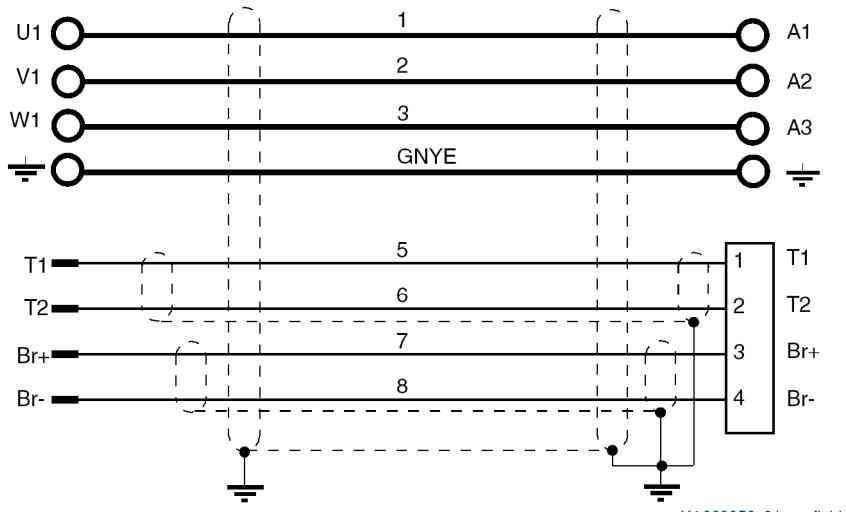
RKL4746**RKL4746**Plug-in connector
for motor**Bulk cable**

RLK1501

INK0668

Plug-in connector
for controller

RLS0724/K50

Interconnection diagram

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50.0 mm² wires 1, 2, 3, GNYE2.5 mm² wires 5, 6, 7, 8

Fig.24-254: Parts RKL4746

RKL4750

RKL4750

Plug-in connector
for motor

RLK1401

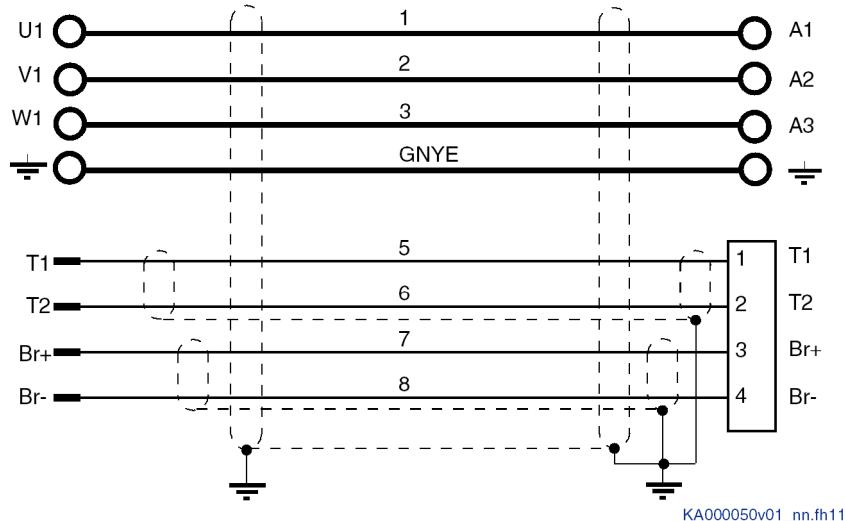
Bulk cable

INK0667

Plug-in connector
for controller

RLS0723/K35

Interconnection diagram



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35.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-255: Parts RKL4750

Connection Cables

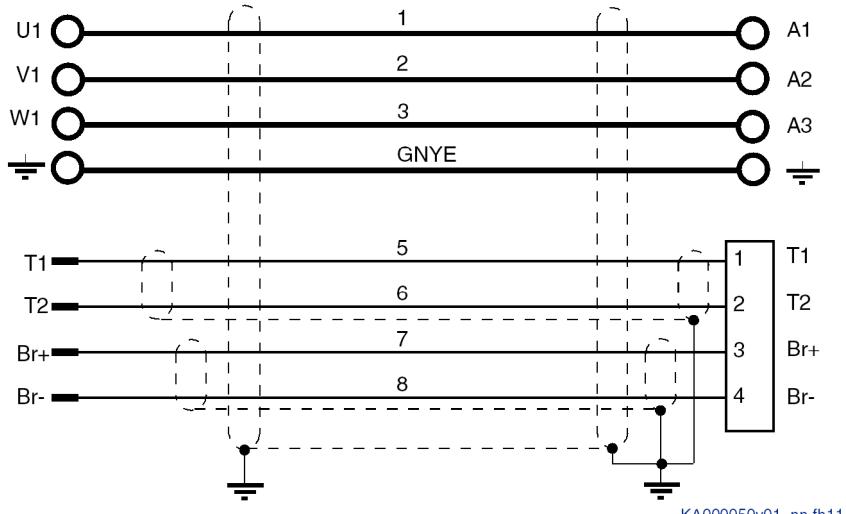
RKL4751**RKL4751**Plug-in connector
for motor**Bulk cable**

RLK1401

INK0667

Plug-in connector
for controller

RLS0724/K35

Interconnection diagram

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35.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-256: Parts RKL4751

RKL4752

RKL4752

Plug-in connector
for motor

RLK1201

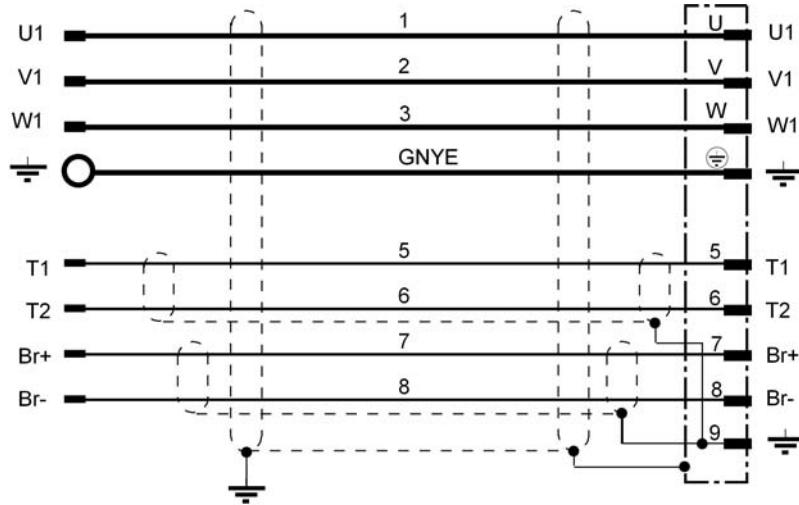
Bulk cable

INK0653

Plug-in connector

RLS1102/C02

Interconnection diagram



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1.0 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8

Fig.24-257: Parts RKL4752

Connection Cables

RKL4753**RKL4753**Plug-in connector
for motor

Bulk cable

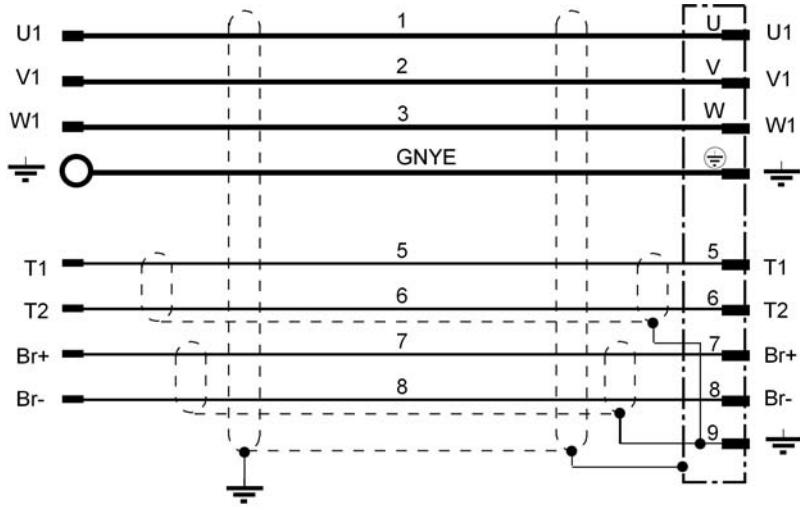
Plug-in connector

RLK1201

INK0650

RLS1102/C02

Interconnection diagram



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1.5 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8

Fig.24-258: Parts RKL4753

RKL4754

RKL4754

Plug-in connector
for motor

RLK1201

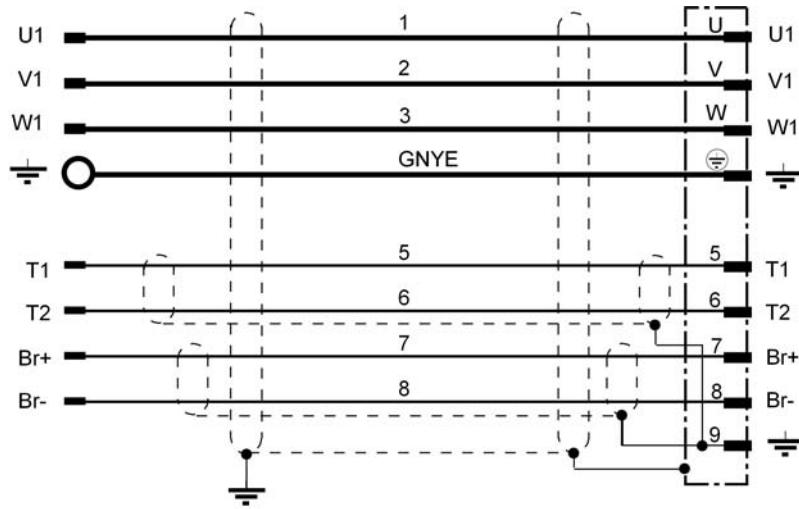
Bulk cable

INK0602

Plug-in connector

RLS1202/C04

Interconnection diagram



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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8

Fig.24-259: Parts RKL4754

Connection Cables

RKL4755**RKL4755**

**Plug-in connector
for motor**

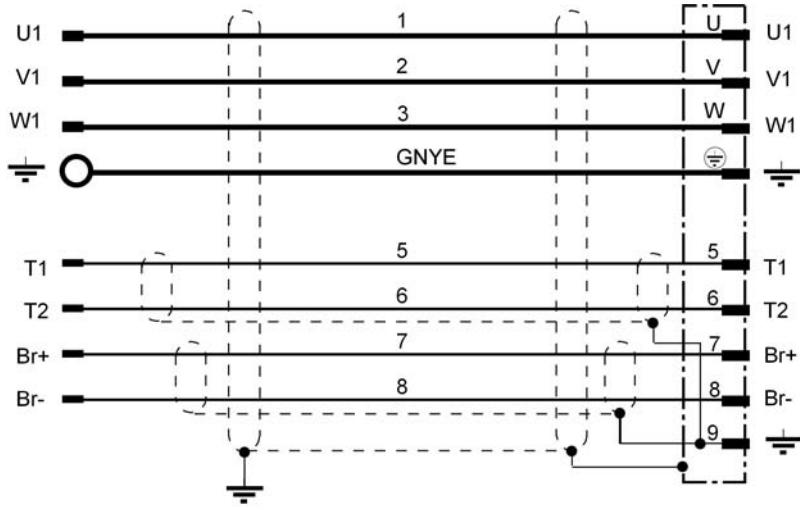
Bulk cable

Plug-in connector

RLK1201

INK0603

RLS1202/C04

Interconnection diagram

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4.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-260: Parts RKL4755

RKL4756

RKL4756

Plug-in connector
for motor

RLK1201

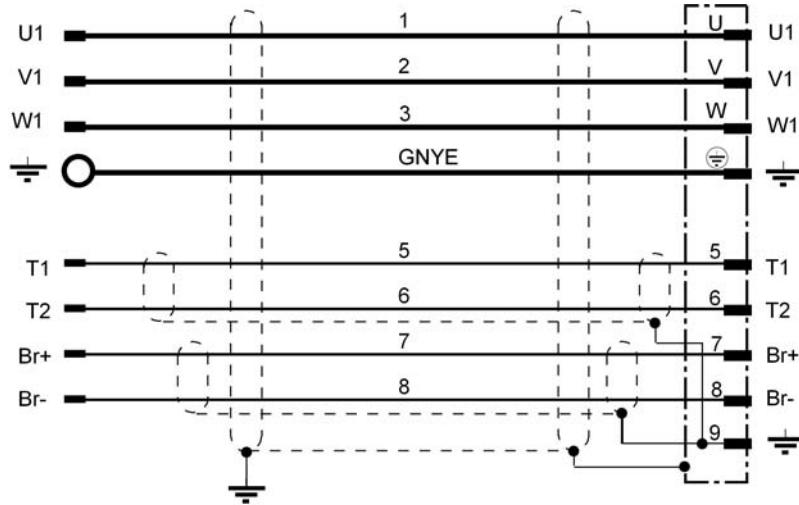
Bulk cable

INK0604

Plug-in connector

RLS1202/C06

Interconnection diagram



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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-261: Parts RKL4756

Connection Cables

RKL4757**RKL4757**

**Plug-in connector
for motor**

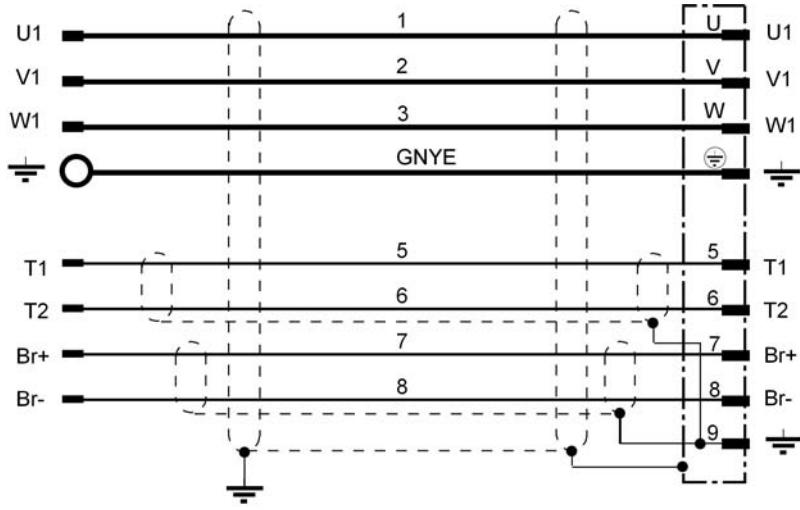
Bulk cable

Plug-in connector

RLK1201

INK0605

RLS1202/C10

Interconnection diagram

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10.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-262: Parts RKL4757

Connection Cables

RKL4758

RKL4758

Plug-in connector
for motor

RLK1301

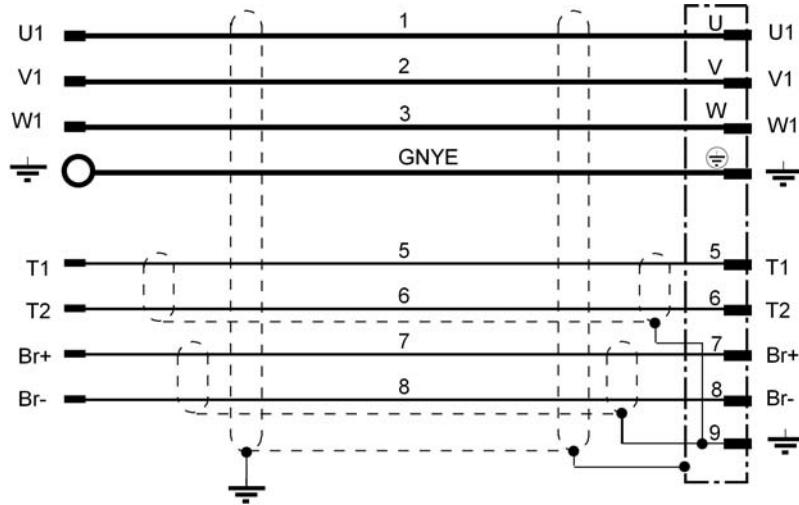
Bulk cable

INK0650

Plug-in connector

RLS1102/C02

Interconnection diagram



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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8

Fig.24-263: Parts RKL4758

Connection Cables

RKL4759**RKL4759**

**Plug-in connector
for motor**

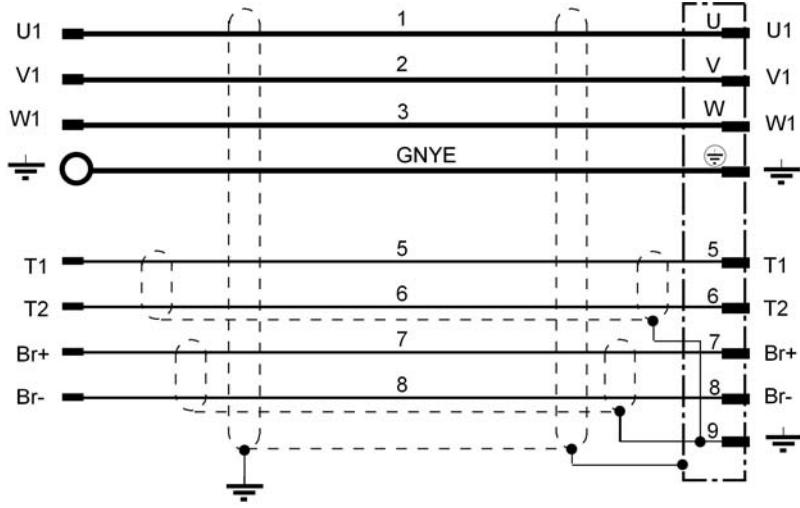
Bulk cable

RLK1301

INK0602

Plug-in connector

RLS1202/C04

Interconnection diagram

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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8

Fig.24-264: Parts RKL4759

Connection Cables

RKL4760

RKL4760

Plug-in connector
for motor

RLK1301

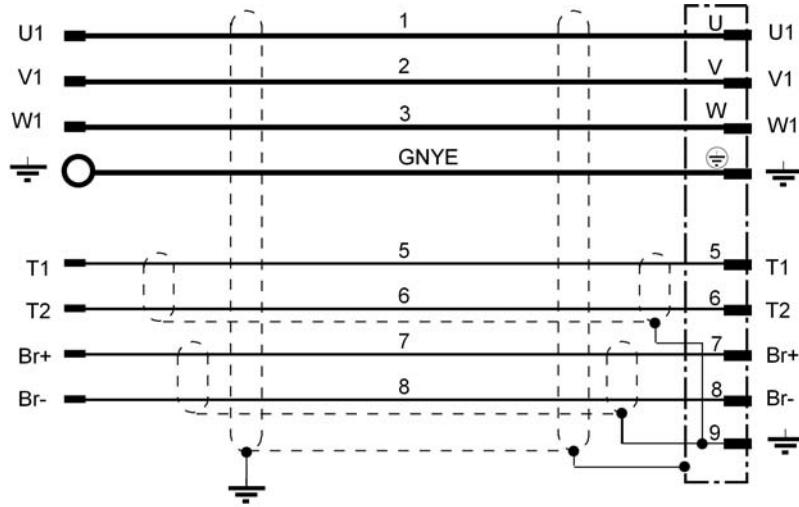
Bulk cable

INK0603

Plug-in connector

RLS1202/C04

Interconnection diagram



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Fig.24-265: Parts RKL4760

Connection Cables

RKL4761**RKL4761**

**Plug-in connector
for motor**

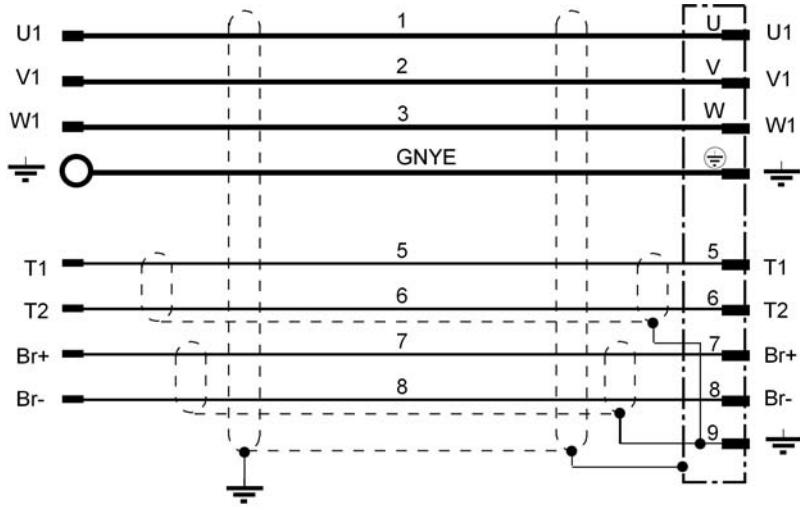
Bulk cable

Plug-in connector

RLK1301

INK0604

RLS1202/C06

Interconnection diagram

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6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8

Fig.24-266: Parts RKL4761

RKL4762

RKL4762

Plug-in connector
for motor

RLK1301

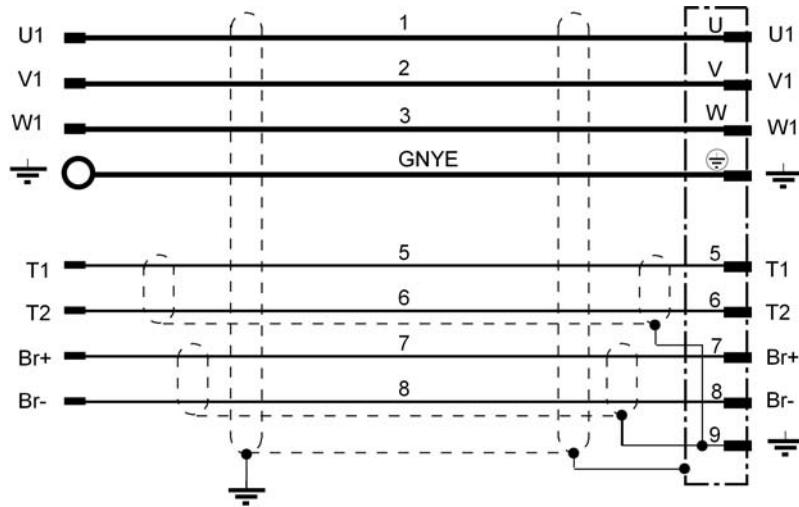
Bulk cable

INK0605

Plug-in connector

RLS1302/C10

Interconnection diagram



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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Fig.24-267: Parts RKL4762

Connection Cables

RKL4763**RKL4763**Plug-in connector
for motor

Bulk cable

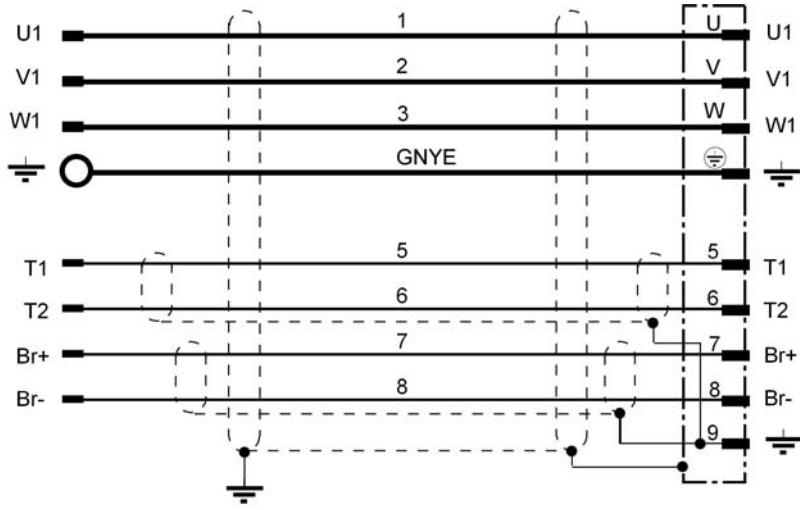
Plug-in connector

RLK1301

INK0606

RLS1302/C16

Interconnection diagram



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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Fig.24-268: Parts RKL4763

RKL4764

RKL4764

Plug-in connector
for motor

RLK1301

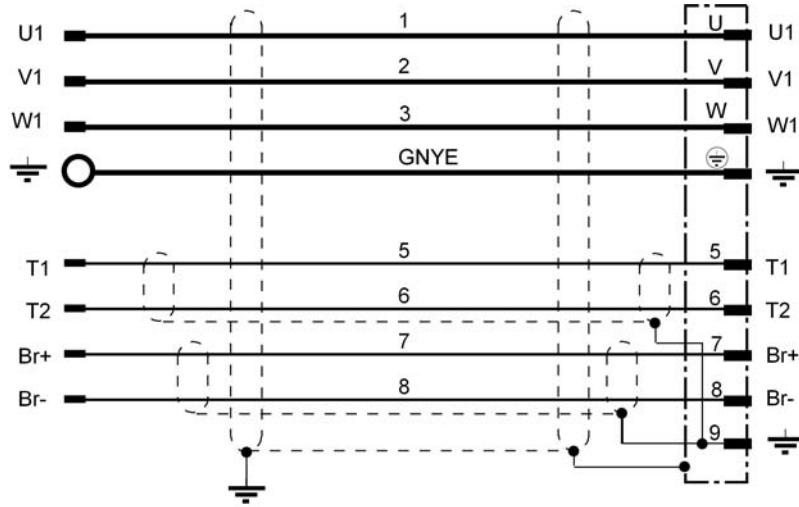
Bulk cable

INK0607

Plug-in connector

RLS1302/C25

Interconnection diagram



KA000052v01_nn.fh11

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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Fig.24-269: Parts RKL4764

Connection Cables

RKL4765**RKL4765**Plug-in connector
for motor

Bulk cable

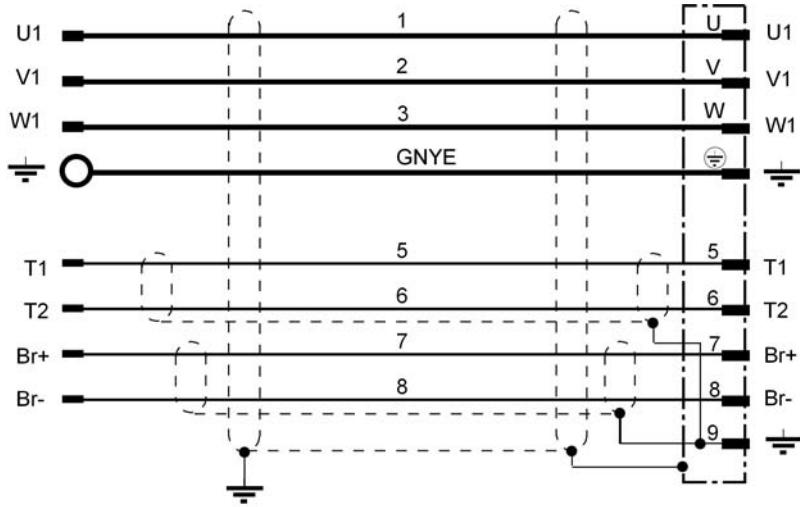
Plug-in connector

RLK1301

INK0667

RLS1302/C35

Interconnection diagram



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35.0 mm²
1.5 mm²

wires 1, 2, 3, GNYE

wires 5, 6, 7, 8

Fig.24-270: Parts RKL4765

RKL4766

RKL4766

Plug-in connector
for motor

RLK1401

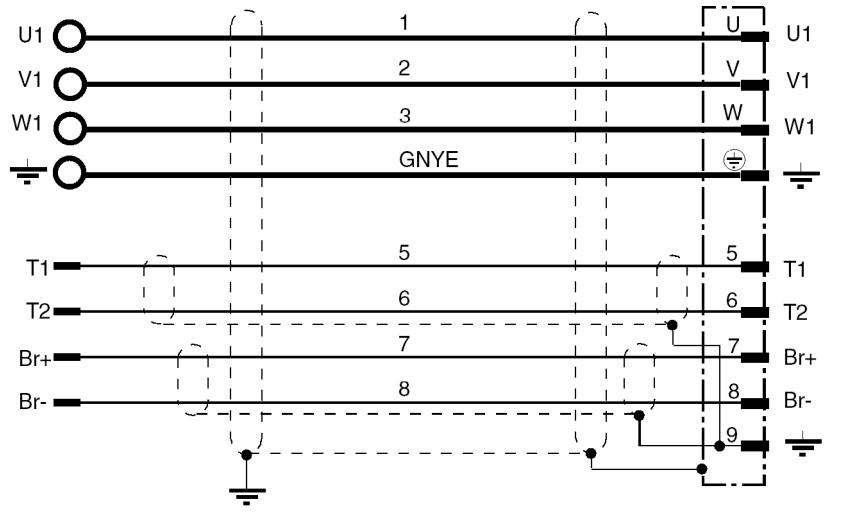
Bulk cable

INK0604

Connector

RLS1202/C06

Interconnection diagram



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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Fig.24-271: Parts RKL4766

Connection Cables

RKL4767**RKL4767**

**Plug-in connector
for motor**

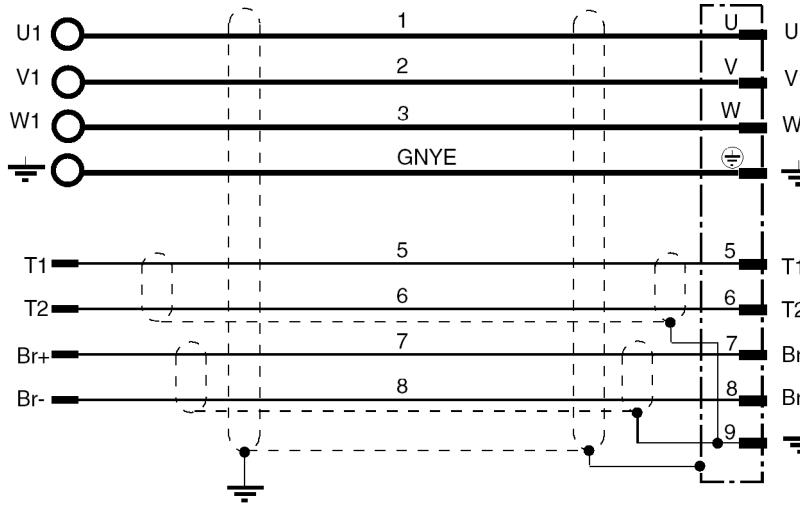
RLK1401

Bulk cable

INK0605

Plug-in connector

RLS1302/C10

Interconnection diagram

KA000053v01_nn.fh11

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10.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8Fig.24-272: *Parts RKL4767*

Connection Cables

RKL4768

RKL4768

Plug-in connector
for motor

RLK1401

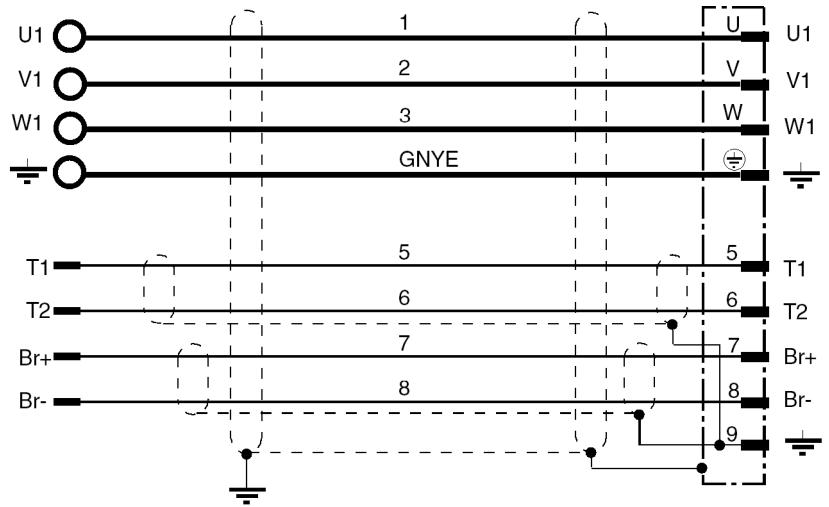
Bulk cable

INK0606

Plug-in connector

RLS1302/C16

Interconnection diagram



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16.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-273: Parts RKL4768

Connection Cables

RKL4769**RKL4769**Plug-in connector
for motor

Bulk cable

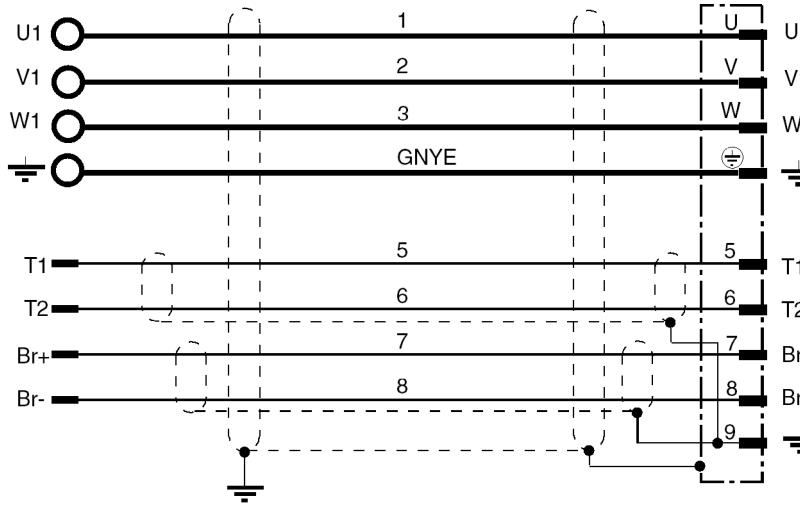
Plug-in connector

RLK1401

INK0607

RLS1302/C25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-274: Parts RKL4769

Connection Cables

RKL4770

RKL4770

Plug-in connector
for motor

RLK1401

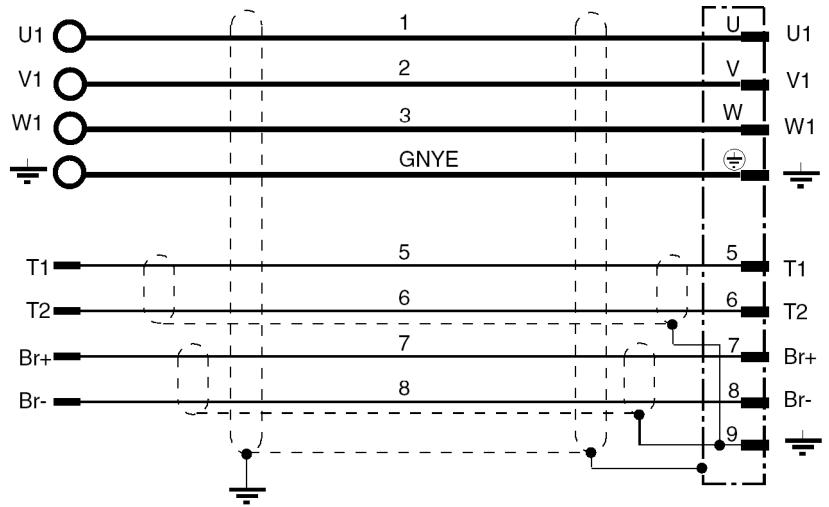
Bulk cable

INK0667

Plug-in connector

RLS1302/C35

Interconnection diagram



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35.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-275: Parts RKL4770

Connection Cables

RKL4771**RKL4771**Plug-in connector
for motor

Bulk cable

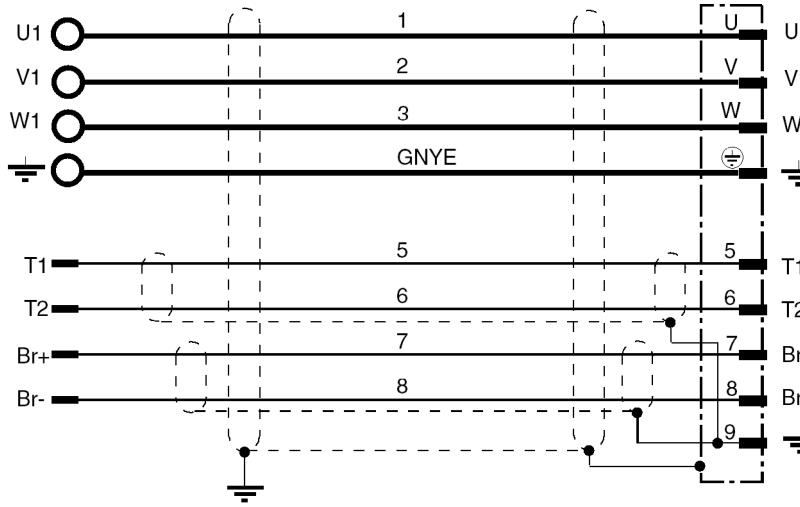
Plug-in connector

RLK1501

INK0606

RLS1302/C16

Interconnection diagram



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16.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-276: Parts RKL4771

Connection Cables

RKL4772

RKL4772

Plug-in connector
for motor

RLK1501

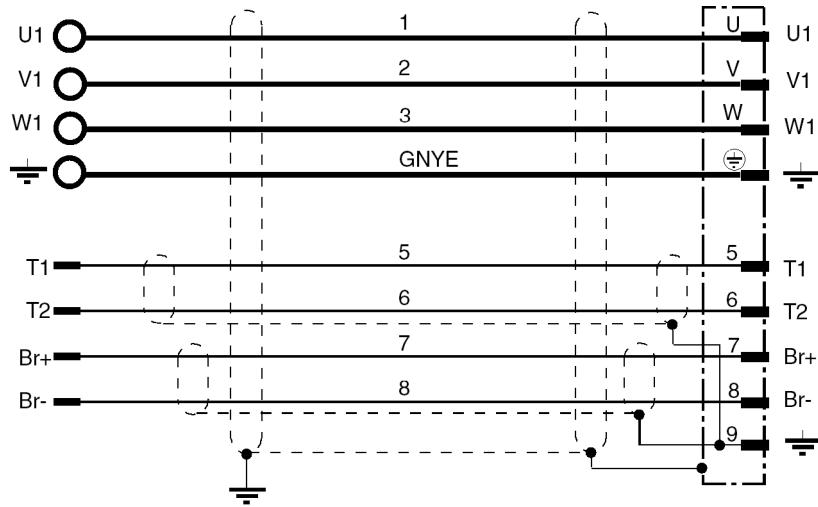
Bulk cable

INK0607

Plug-in connector

RLS1302/C25

Interconnection diagram



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25.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-277: Parts RKL4772

Connection Cables

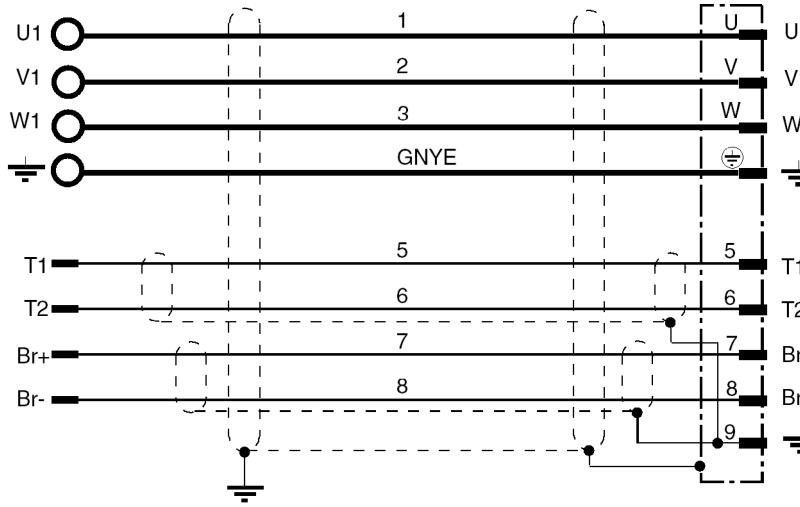
RKL4773**RKL4773**Plug-in connector
for motor**Bulk cable**

RLK1501

INK0667

Plug-in connector

RLS1302/C35

Interconnection diagram

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35.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8f

Fig.24-278: Parts RKL4773

Connection Cables

RKL4774

RKL4774

Plug-in connector
for motor

RLK1201

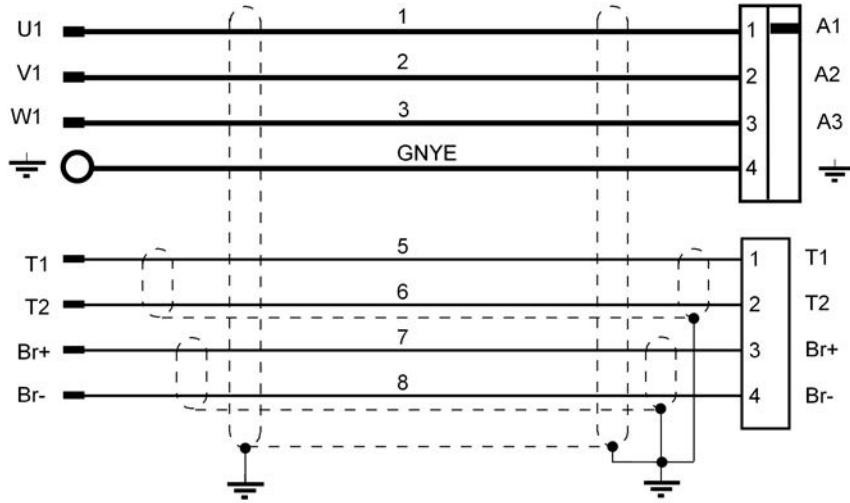
Bulk cable

INK0606

Plug-in connector
for controller

RLS0721/K16

Connection plan



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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Fig.24-279: Single parts RKL4774

Connection Cables

RKL4775**RKL4775**

**Plug-in connector
for motor**

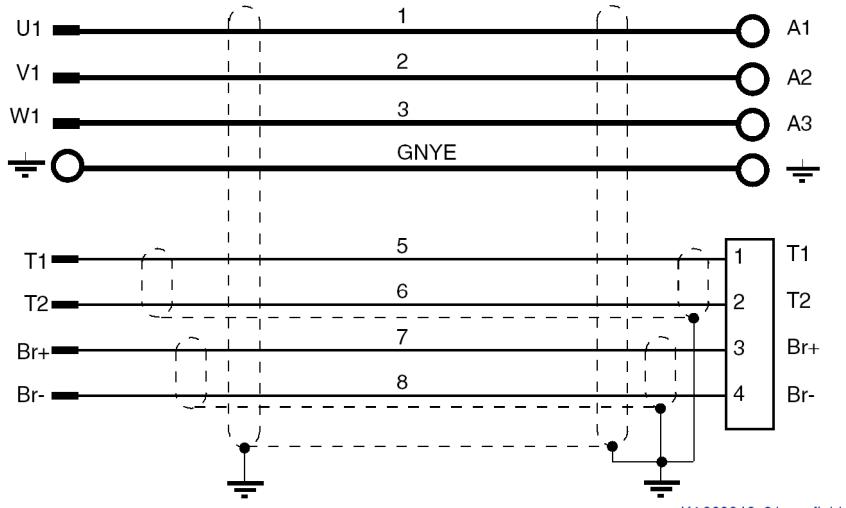
RLK1201

Bulk cable

INK0606

**Plug-in connector
for controller**

RLS0723/K16

Interconnection diagram

KA000040v01_nn.fh11

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16.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-280: Parts RKL4775

Connection Cables

RKL4776

RKL4776

Plug-in connector
for motor

RLK1301

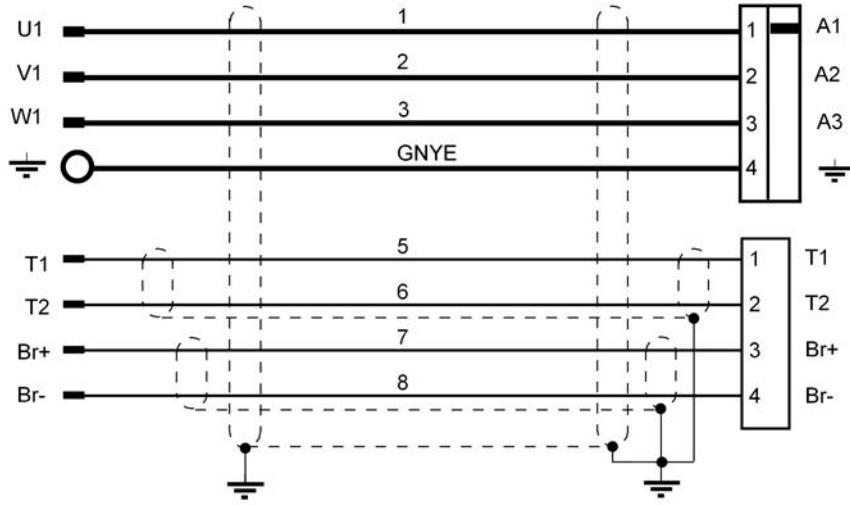
Bulk cable

INK0606

Plug-in connector

RLS0721/K16

Interconnection diagram



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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Fig.24-281: Parts RKL4776

Connection Cables

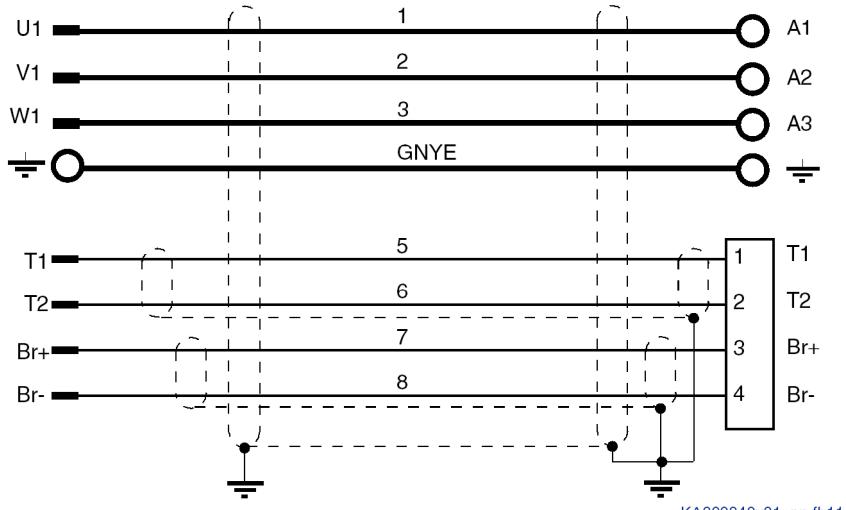
RKL4777**RKL4777**Plug-in connector
for motor**Bulk cable**

RLK1301

INK0606

Plug- in connec-
tor

RLS0724/K16

Interconnection diagram

KA000040v01_nn.fh11

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16.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-282: Parts RKL4777

RKL4778

RKL4778

Plug-in connector
for motor

INS0381

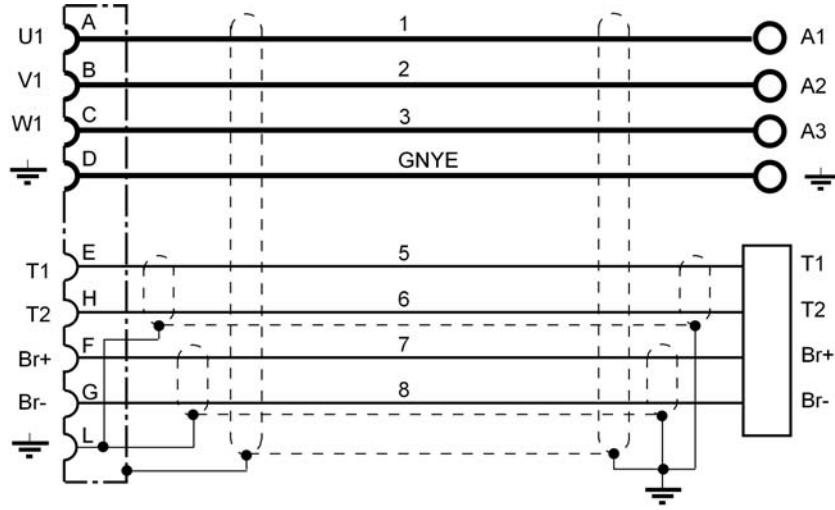
Bulk cable

INK0667

Plug- in connec-
tor

RLS0727/K35

Interconnection diagram



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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Fig.24-283: Parts RKL4778

Connection Cables

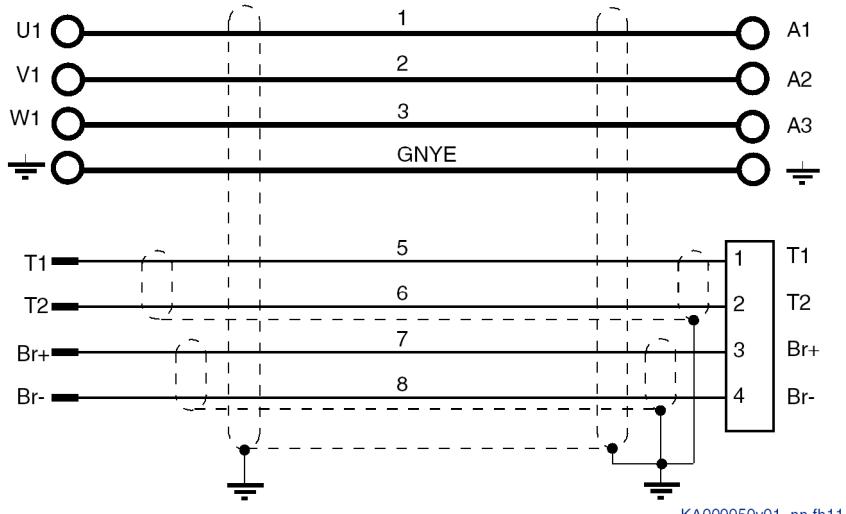
RKL4779**RKL4779**Plug-in connector
for motor**Bulk cable**

RLK1401

INK0667

Plug-in connector

RLS0727/K35

Interconnection diagram

KA000050v01_nn.fh11

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35.0 mm² wires 1, 2, 3, GNYE1.5 mm² wires 5, 6, 7, 8

Fig.24-284: Parts RKL4779

RKL4780

RKL4780

Plug-in connector
for motor

RLK1501

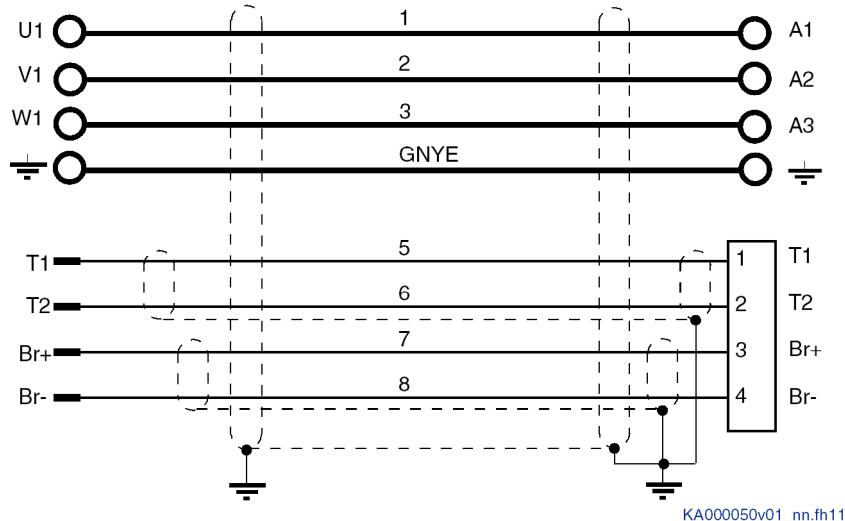
Bulk cable

INK0667

Plug-in connector

RLS0727/K35

Interconnection diagram



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35.0 mm² wires 1, 2, 3, GNYE

1.5 mm² wires 5, 6, 7, 8

Fig.24-285: Parts RKL4780

Connection Cables

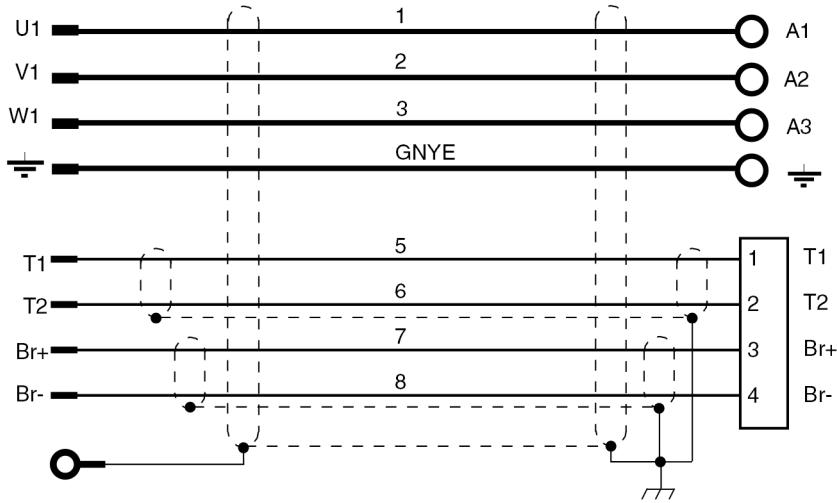
RKL4781**RKL4781**Plug-in connector
for motor**Bulk cable**

WEF/RKS

INK0602

Plug-in connector

RLS0723/K03

Interconnection diagram

KA000142v01_nn.fh11

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2.5 mm² wires 1, 2, 3, GNYE
 1.0 mm² wires 5, 6, 7, 8
Fig.24-286: Parts RKL4781

RKL4782

RKL4782

Plug-in connector
for motor

RLK1501

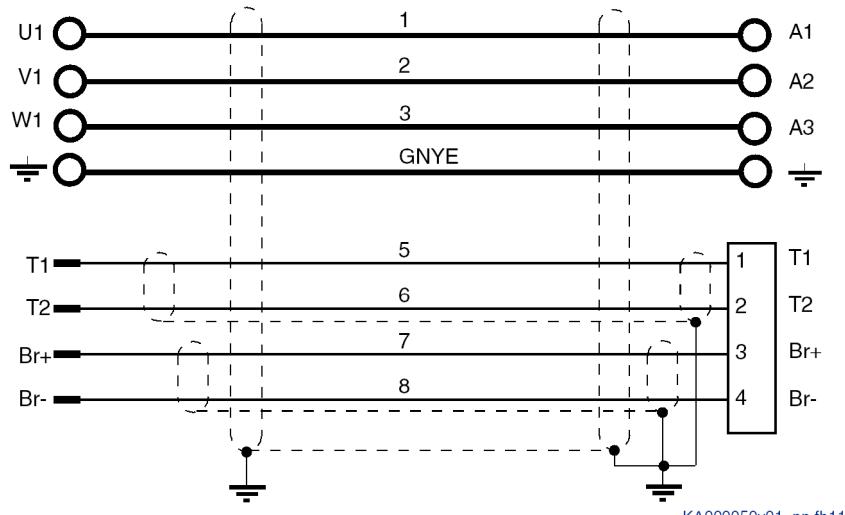
Bulk cable

INK0668

Plug-in connector

RLS0727/K50

Interconnection diagram



KA000050v01_nn.fh11

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50.0 mm² wires 1, 2, 3, GNYE
2.5 mm² wires 5, 6, 7, 8
Fig.24-287: Parts RKL4780

Connection Cables

24.3 Hybrid Cable**24.3.1 RKhxxxx****RKH00xx****RKH0001****RKH0001**Plug-in connector
for motor

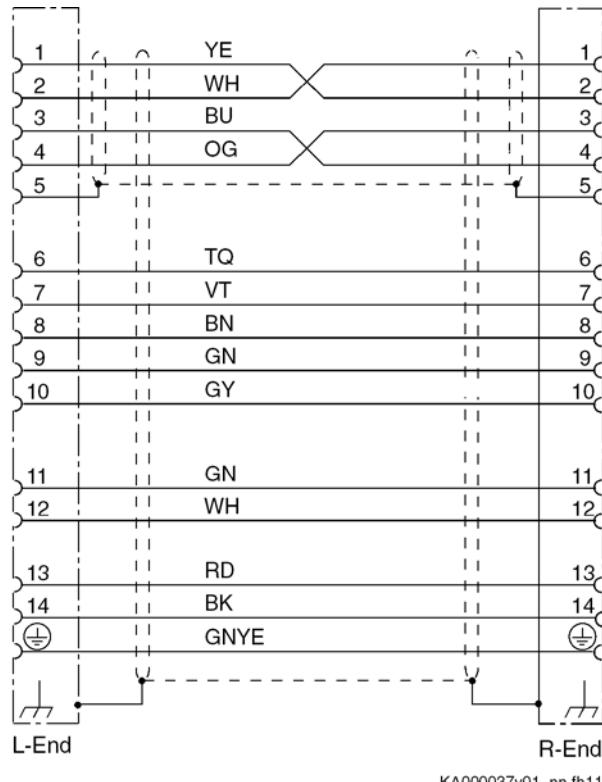
RHS0001/C03

Bulk cable

REH0800

Plug-in connector
for controller

RHS0001/C03

Interconnection diagram

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2.5 mm²

wires GN, WH, RD, BK, GNYE

0.35 mm²

wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-288:

Parts RKh0001

Connection Cables

RKH0002

RKH0002

Plug-in connector
for motor

RHS0001/C03

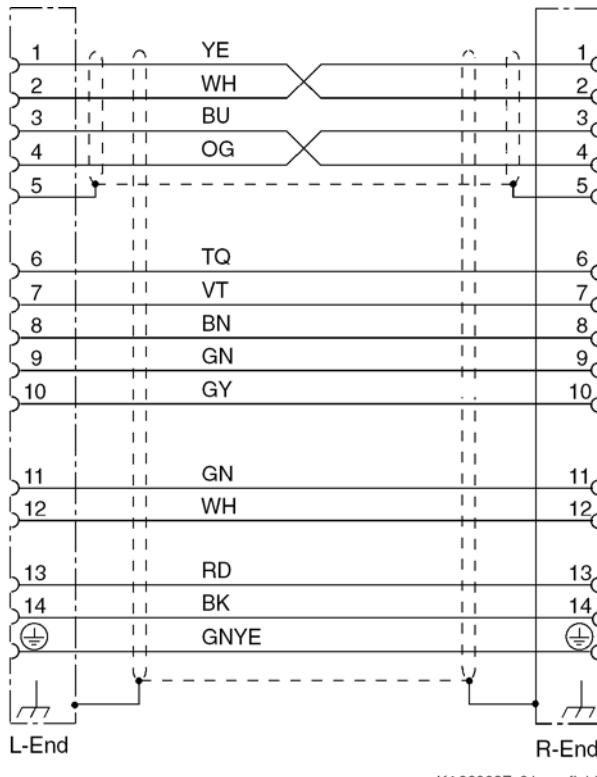
Bulk cable

REH0800

Plug-in connector
for controller

RHS0001/C03

Interconnection diagram



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2.5 mm²

wires GN, WH, RD, BK, GNYE

0.35 mm²

wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-289:

Parts RKH0002

Connection Cables

RKH01xx**RKH0100****RKH0100**

**Plug-in connector
for motor**

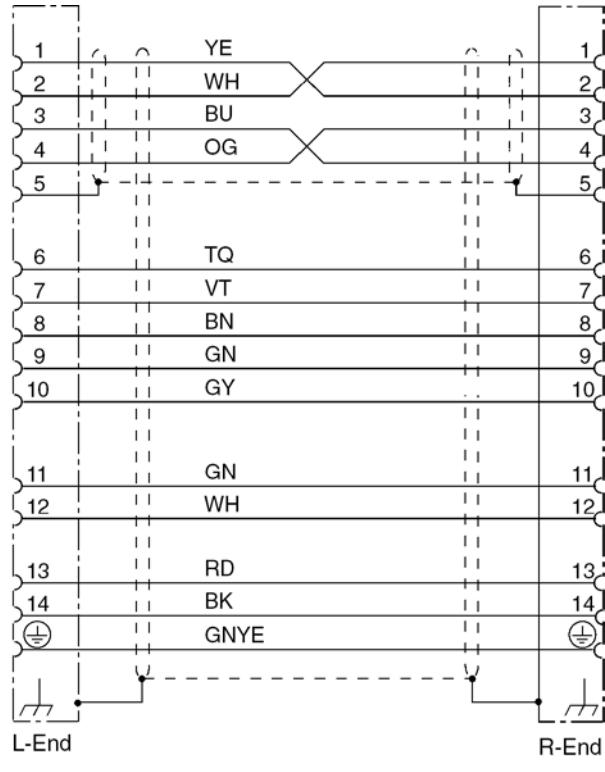
RHS0001/C03

Bulk cable

REH0800

**Plug-in connector
for controller**

RHS0001/C03

Interconnection diagram

KA000037v01_nn.fh11

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2.5 mm²

wires GN, WH, RD, BK, GNYE

0.35 mm²

wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-290:

Parts RKH0100

Connection Cables

RKH0101

RKH0101

Plug-in connector
for motor

RHS0001/C03

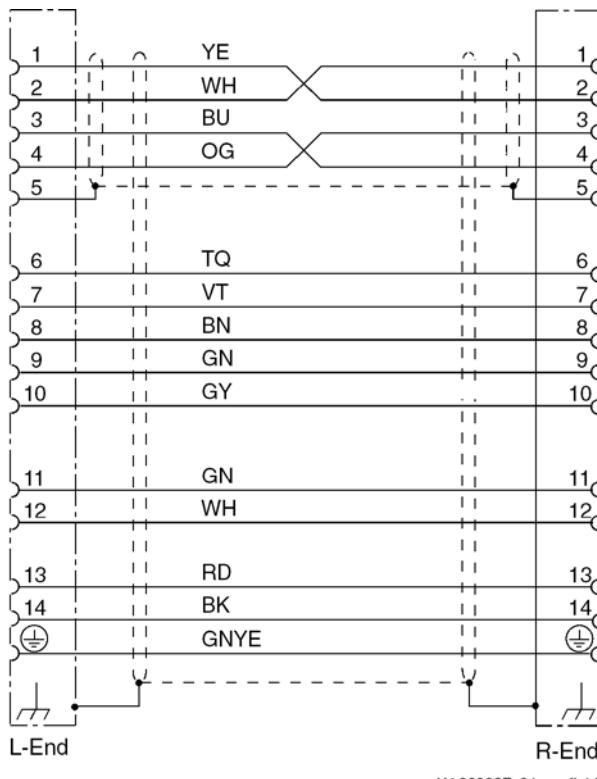
Bulk cable

REH0800

Plug-in connector
for controller

RHS0001/C03

Interconnection diagram



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2.5 mm²

wires GN, WH, RD, BK, GNYE

0.35 mm²

wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-291:

Parts RKH0101

Connection Cables

RKH02xx**RKH0200****RKH0200**

**Plug-in connector
for motor**

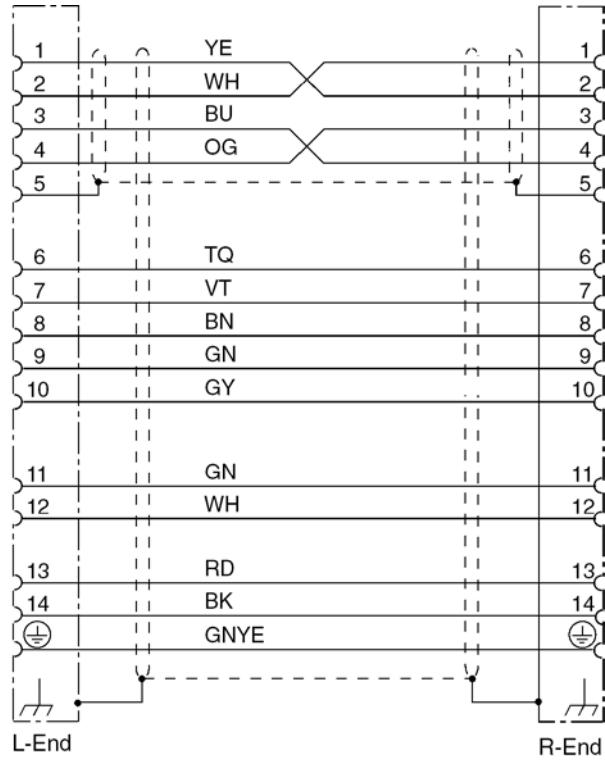
RHS0001/C03

Bulk cable

REH0800

**Plug-in connector
for controller**

RHS0001/C03

Interconnection diagram

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2.5 mm²

wires GN, WH, RD, BK, GNYE

0.35 mm²

wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-292:

Parts RKH0200

Connection Cables

RKH0201

RKH0201

Plug-in connector
for motor

RHS0001/C03

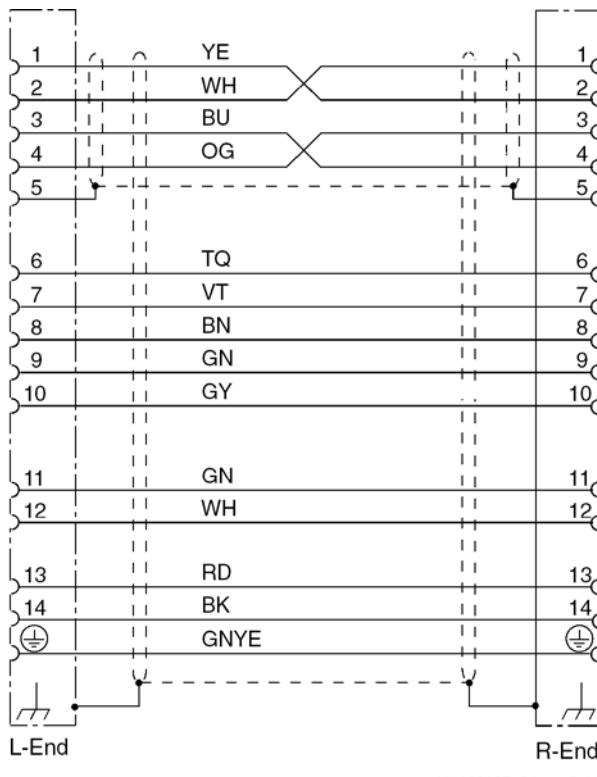
Bulk cable

REH0800

Plug-in connector
for controller

RHS0001/C03

Interconnection diagram



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2.5 mm²

wires GN, WH, RD, BK, GNYE

0.35 mm²

wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-293:

Parts RKH0201

Connection Cables

RKH0202**RKH0202**

**Plug-in connector
for motor**

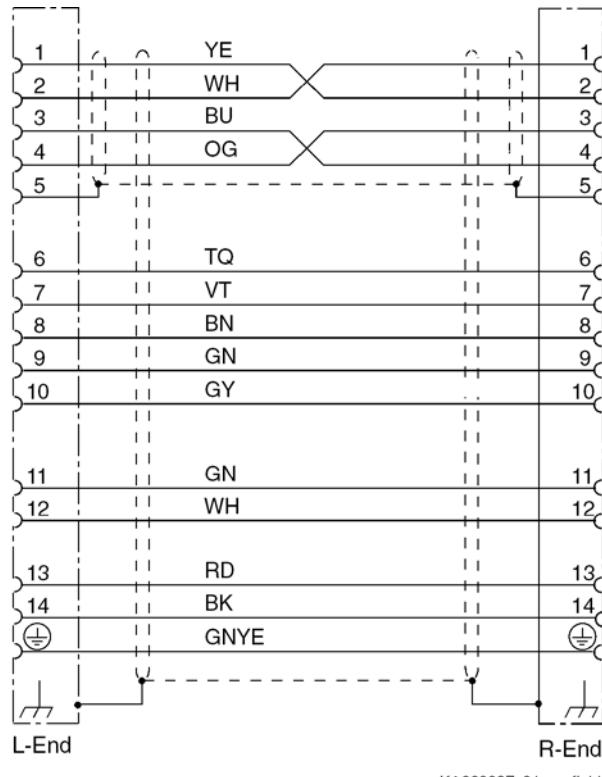
RHS0001/C03

Bulk cable

REH0800

**Plug-in connector
for controller**

RHS0006/C03

Interconnection diagram

KA000037v01_nn.fh11

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2.5 mm² wires GN, WH, RD, BK, GNYE
 0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Fig.24-294: Parts RKH0202

Connection Cables

RKH0203

RKH0203

Plug-in connector
for motor

RHS0001/C03

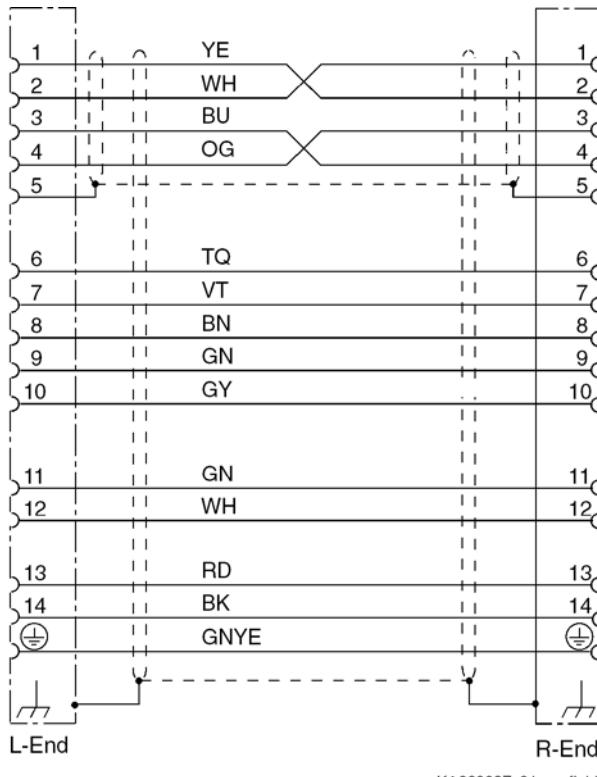
Bulk cable

REH0800

Plug-in connector
for controller

RHS0006/C03

Interconnection diagram



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2.5 mm²

wires GN, WH, RD, BK, GNYE

0.35 mm²

wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-295:

Parts RKH0203

Connection Cables

RKH0204**RKH0204**

**Plug-in connector
for motor**

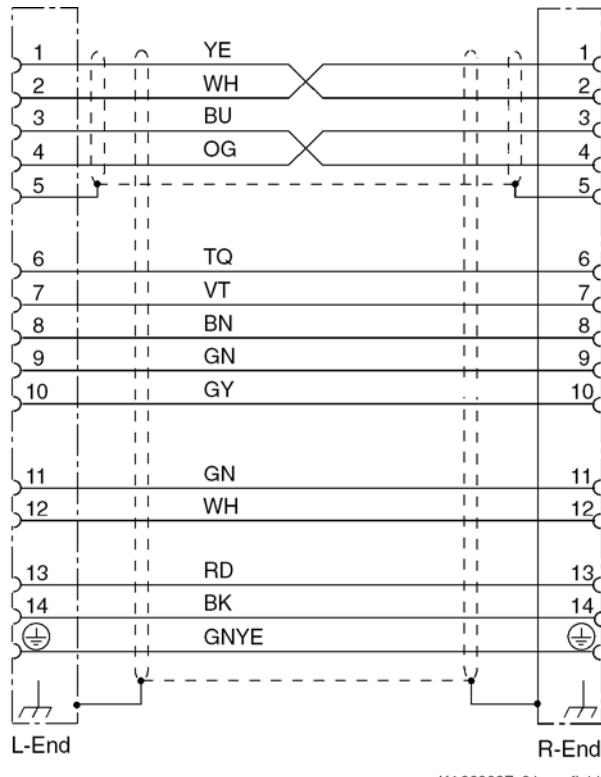
RHS0001/C03

Bulk cable

REH0800

**Plug-in connector
for controller**

RHS0006/C03

Interconnection diagram

KA000037v01_nn.fh11

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2.5 mm² wires GN, WH, RD, BK, GNYE
 0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Fig.24-296: Parts RKH0204

Connection Cables

RKH0205

RKH0205

Plug-in connector
for motor

RHS0001/C03

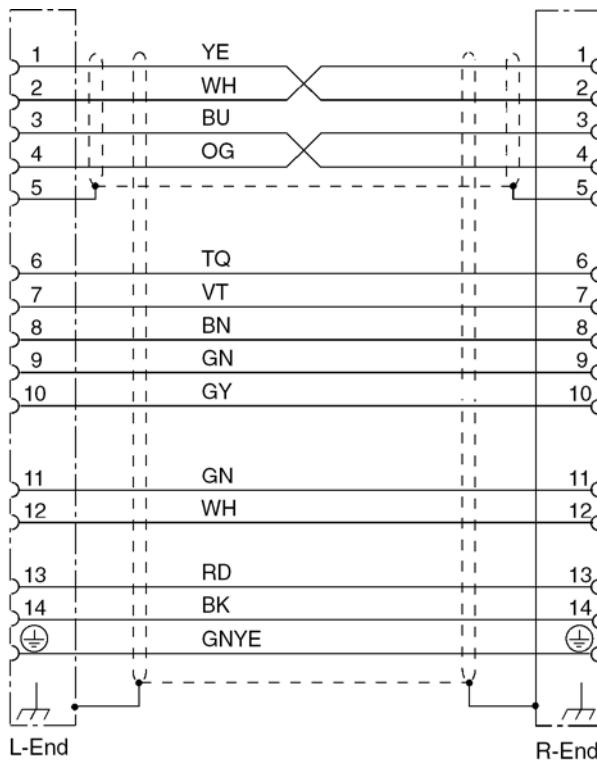
Bulk cable

REH0800

Plug-in connector
for controller

RHS0006/C03

Interconnection diagram



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2.5 mm²

wires GN, WH, RD, BK, GNYE

0.35 mm²

wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-297: Parts RKH0205

Connection Cables

RKH03xx**RKH0301****RKH0301**

**Plug-in connector
for motor**

RHS0005/C03

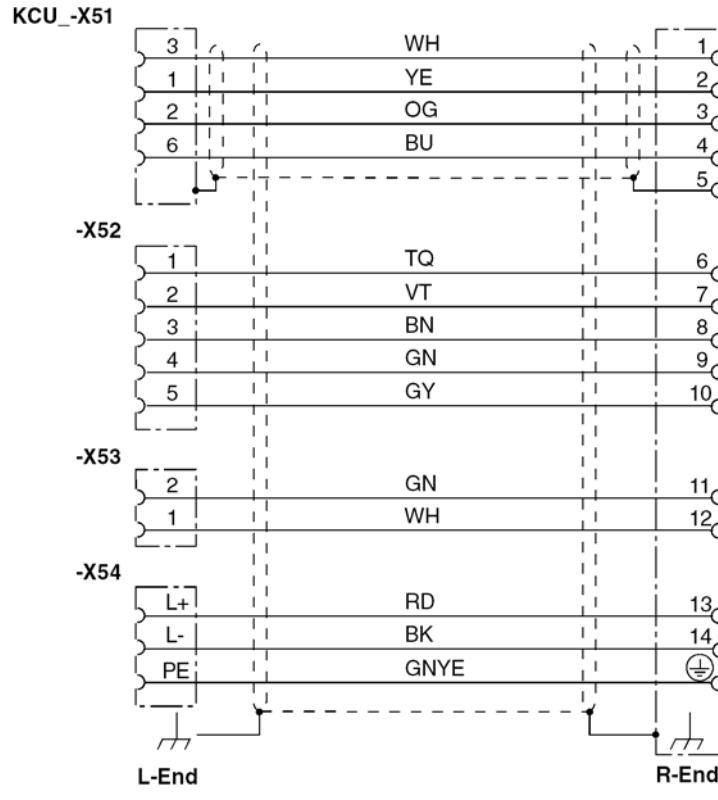
Bulk cable

REH0800

**Plug-in connector
for controller**

RHS0001/C03

Interconnection diagram



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2.5 mm ²	wires GN, WH, RD, BK, GNYE
0.35 mm ²	wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-298: Parts RKH0301

Connection Cables

RKH04xx

RKH0401

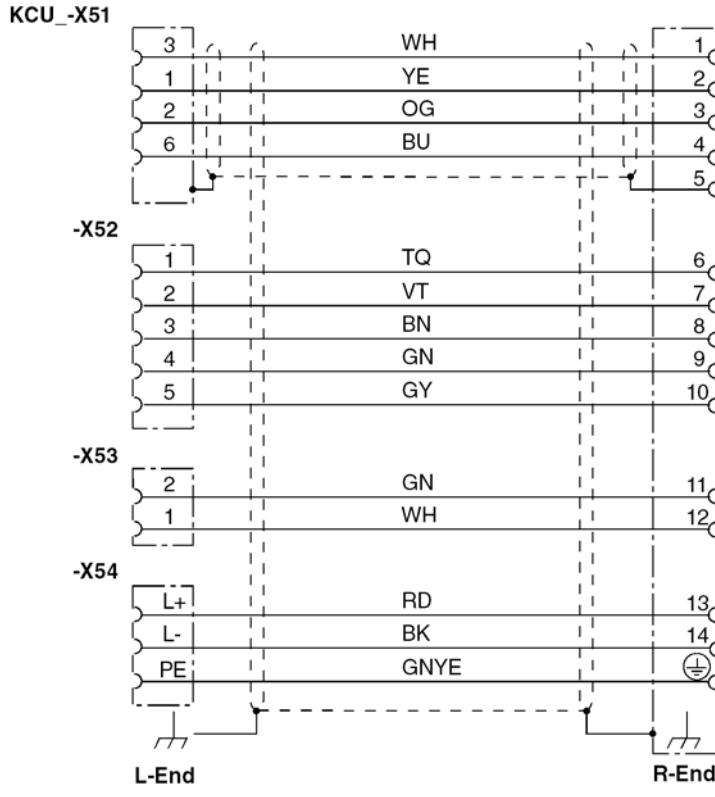
RKH0401

Plug-in connector
for motor
RHS0005/C03

Bulk cable
REH0800

Plug-in connector
for controller
RHS0001/C03

Interconnection diagram



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2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Fig.24-299: Parts RKH0401

Connection Cables

RKH05xx**RKH0501****RKH0501**

**Plug-in connector
for motor**

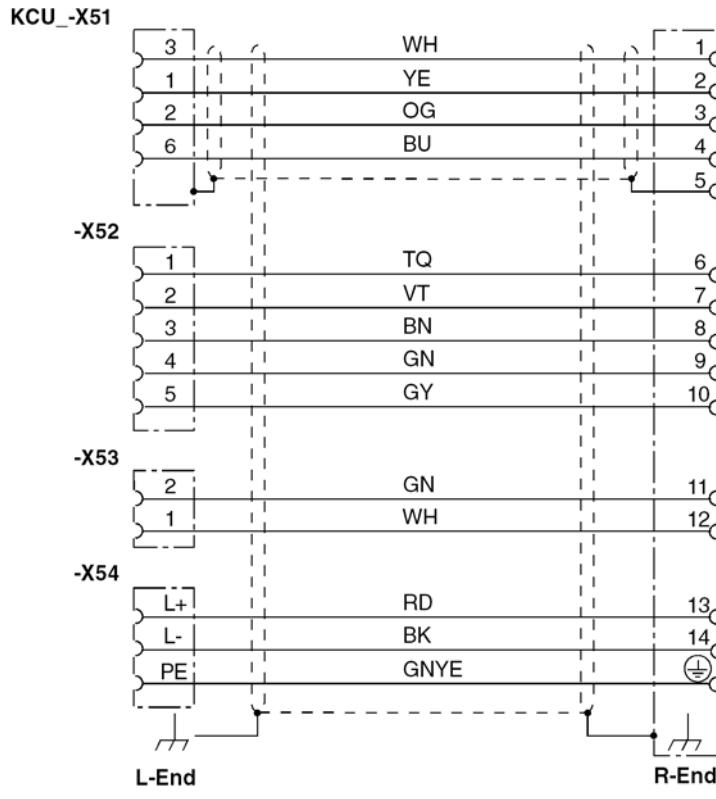
RHS0005/C03

Bulk cable

REH0800

**Plug-in connector
for controller**

RHS0006/C03

Interconnection diagram

KA000036v01_nn.fh11

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2.5 mm² wires GN, WH, RD, BK, GNYE
 0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Fig.24-300: Parts RKH0501

RKH06xx

RKH0600

RKH0600

Plug-in connector
for motor

RHS0006/C03

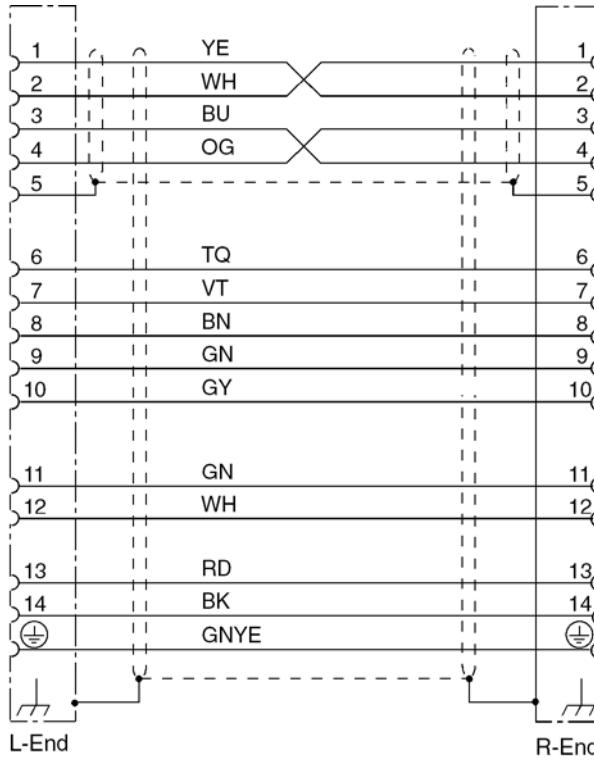
Bulk cable

REH0800

Plug-in connector
for controller

RHS0006/C03

Interconnection diagram



KA000037v01_nn.fh11

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2.5 mm²

wires GN, WH, RD, BK, GNYE

0.35 mm²

wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Fig.24-301:

Parts RKH0600

Connection Cables

RKH0601**RKH0601**

**Plug-in connector
for motor**

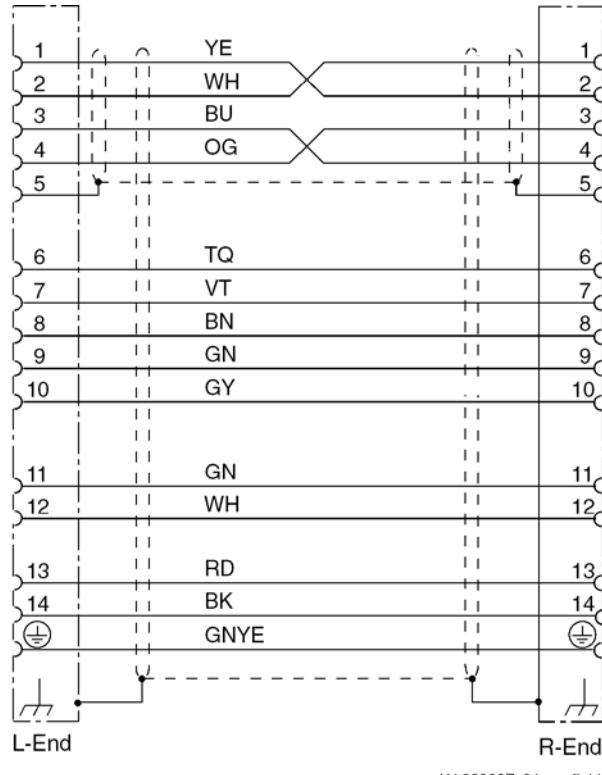
RHS0006/C03

Bulk cable

REH0800

**Plug-in connector
for controller**

RHS0006/C03

Interconnection diagram

KA000037v01_nn.fh11

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2.5 mm² wires GN, WH, RD, BK, GNYE
 0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Fig.24-302: Parts RKH0601

Connection Cables

RKH07xx

RKH0700

RKH0700

Plug-in connector
for motor

RHS0007/C03

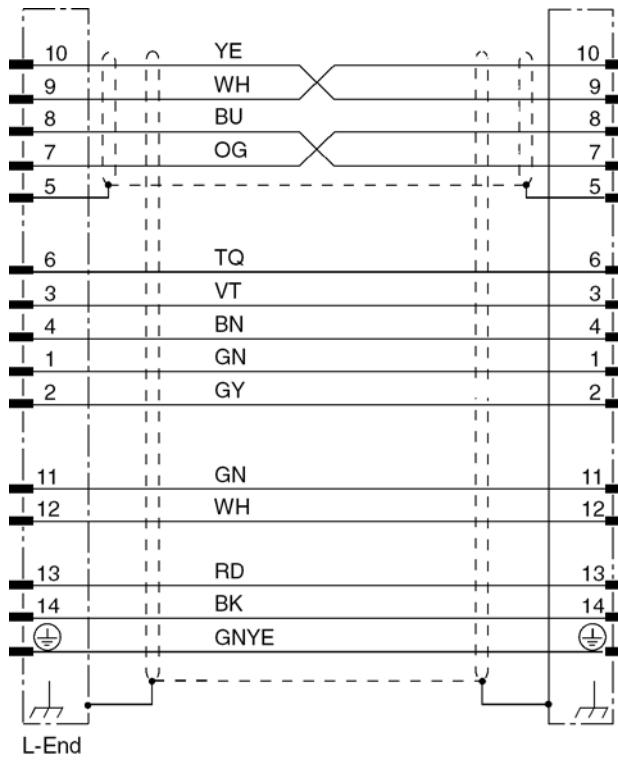
Bulk cable

REH0800

Plug- in connec-
tor for controller

RHS0007/C03

Interconnection diagram



KA000066v01_nn.fh11

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2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Fig.24-303: Parts RKH0700

Technical Data of Rexroth Cables

25 Technical Data of Rexroth Cables

25.1 Motor Power Cable with Total Shield

25.1.1 INK0602, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0602
Brief description of cable			[4x2.5mm ² + 2x(2x1.0mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	14.8 +/-1.0
Cross section of the power wire		mm ²	2.5
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.380
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.7
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	7.98
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

Technical Data of Rexroth Cables

- 2) Acceleration up to 10 m/s^2 ; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)
Fig.25-1: INK - technical data



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.2 INK0603, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0603
Brief description of cable			[4x4.0mm ² + (2x1.0mm ²)StC + (2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	17.0 +/-0.5
Cross section of the power wire		mm ²	4.0
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.490
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.8
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	4.95
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-2: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.3 INK0604, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0604
Brief description of cable			[4x6.0mm ² + (2x1.0mm ²)StC + (2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	18.5 +/-1.0
Cross section of the power wire		mm ²	6.0
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.630
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.8
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	3.30
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-3: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.4 INK0605, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0605
Brief description of cable			[4x10.0mm ² + (2x1.0mm ²)StC + (2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	22.2 +/-1.0
Cross section of the power wire		mm ²	10.0
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.870
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.0
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	1.91
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-4: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.5 INK0606, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0606
Brief description of cable			[4x16.0mm ² + 2x(2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	25.5 +/-1.0
Cross section of the power wire		mm ²	16.0
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	1.140
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.2
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	1.21
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-5: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.6 INK0607, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0607
Brief description of cable			[4x25.0mm ² + 2x(2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	29.8 +/-1.0
Cross section of the power wire		mm ²	25.0
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	1.750
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.1
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	0.78
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-6: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.7 INK0650, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0650
Brief description of cable			[4x1.5mm ² + 2x(2x0.75mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	12.2 +/-0.5
Cross section of the power wire		mm ²	1.5
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.275
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.8
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	13.3
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-7: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.8 INK0653, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0653
Brief description of cable			[4x1.0mm ² + 2x(2x0.75mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	12.0 +/-0.5
Cross section of the power wire		mm ²	1.0
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.250
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.6
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	19.5
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-8: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.9 INK0667, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0667
Brief description of cable			[4x35.0mm ² + 2x(2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	30.8 +/-1.0
Cross section of the power wire		mm ²	35.0
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	2.250
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.2
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	0.554
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-9: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.10 INK0668, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0668
Brief description of cable			[4x50.0mm ² + 2x(2x2.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20234
Cross-section		mm	36.8 +/-1.0
Cross section of the power wire		mm ²	50.0
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	3.200
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.3
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	0.386
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-10: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.1.11 REH0800, Hybrid Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	REH0800
Brief description of cable			[5x2,5mm ² + 5x0,34mm ² + (2x2x0,34mm ²)StC]C
RoHS			
UL recognized (UL)			cRUus
UL Files (UL)			E47543-L
AWM Style (UL)			AWM20234
Cross-section		mm	16.2 +/- 0.5
Cross section of the power wire		mm ²	2.5
Cable jacket material ¹⁾			PUR
Cable jacket color			RAL2003
Specific cable weight	m	kg/m	0.355
Temperature range during storage		°C	-30 ... +60
Ambient temperature during operation (fix installation)		°C	-30 ... +80
Ambient temperature during operation (flexible installation)		°C	-20 ... +80
Operation temperature on the wire (flexible/fix)		°C	80
Discharge capacity	C _{Y_K_typ}		
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	8 (2.5 mm ²)
Operating voltage of power wires		V	850V
Operating voltage of control wires		V	100
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	min. 5 000 000
Bending radius at flexible installation		mm	10 x AD
Bending radius at fix installation		mm	5 x AD
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and DIN EN 50 363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-11: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

Technical Data of Rexroth Cables

25.2 Encoder Cable with Total Shield

25.2.1 INK0280, Encoder Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0280
Brief description of cable			[3x0.25mm ² + 3x(2x0.25mm ²)StC + 2x1.0mm ²]C
RoHS			
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20233, 20235
Cross-section		mm	10.0 +/-0.3
Cross section of control wire		mm ²	0.25
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.160
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	83.0 (0.25 mm ²) / 19.3 (1.0mm ²)
Operating voltage of control wires		V	300/300V (VDE); 300V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Latest amendment: 2009-06-25			

1) acc. to DIN EN 50363-10-2

2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-12: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

25.2.2 INK0448, Encoder Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0448
Brief description of cable			(4x2x0.25mm ² + 2x0.5mm ²)C
RoHS			according to EU-directive 2002/95/EG
UL recognized (UL)			UR, cUR
UL Files (UL)			E140404; E42256; E73526
AWM Style (UL)			20233, 20235
Cross-section		mm	8.8 +/-0.3
Cross section of control wire		mm ²	0.25
Cable jacket material ¹⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.100
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	83.0 (0.25 mm ²) / 39.5 (0.5mm ²)
Operating voltage of control wires		V	300/300V (VDE); 300V/AC (UL)
Use in cable drag chains			Yes
Bending cycles ²⁾		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			DIN EN 60 811-2-1 and HD 22.10 Appendix A
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
			Latest amendment: 2009-06-25

- 1) acc. to DIN EN 50363-10-2
 2) Acceleration up to 10 m/s²; velocity up to 5 m/s; traverse path up to 15 m (for hybrid cables REH: 10 m)

Fig.25-13: INK - technical data



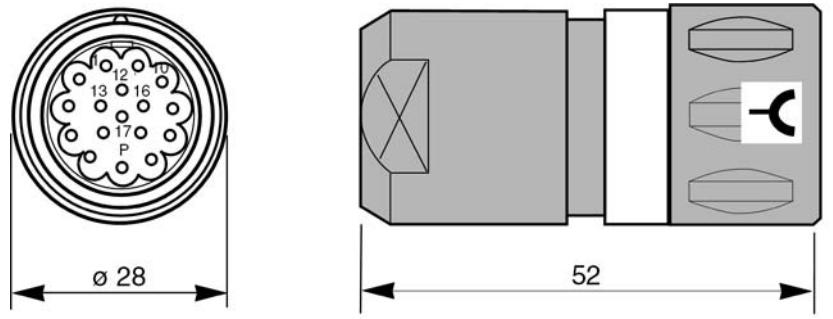
Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

26 Components

26.1 Components

Components

26.1.1 INS0379, Connector Set



INS0379, Encoder connector (bush)

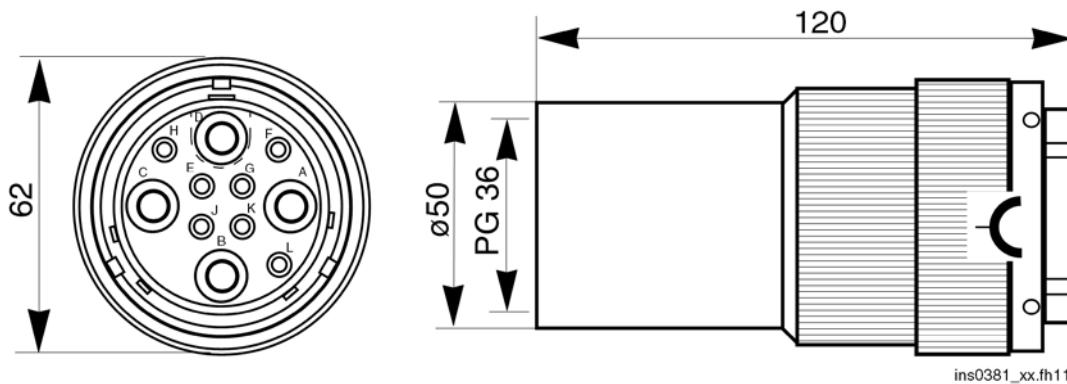
Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross-section [mm ²]	Type
INS0379/C01	8.5 ... 9.1	17	0.14 ... 0.83	Crimp contact

Fig.26-1: Encoder connector INS0379 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

26.1.2 INS0381, Connector Set



INS0381, power connector (bush)

Ordering designation	Power contact			Control contact		
	Amount	Cross-section [mm ²]	Type	Amount	Cross-section [mm ²]	Type
INS0381/C06	3 + PE	6.0	Crimp contact	7	1.5	Crimp contact
INS0381/C10	3 + PE	10.0	Crimp contact	7	1.5	Crimp contact
INS0381/C16	3 + PE	16.0	Crimp contact	7	1.5	Crimp contact
INS0381/C25	3 + PE	25.0	Crimp contact	7	1.5	Crimp contact
INS0381/C35	3 + PE	35.0	Crimp contact	7	1.5	Crimp contact
INS0381/L35	3 + PE	35.0	Solder contact	7	1.5	Solder contact

Fig.26-2: Power connector INS0381 (separate parts)

Fittings and reductions for PG36 connection

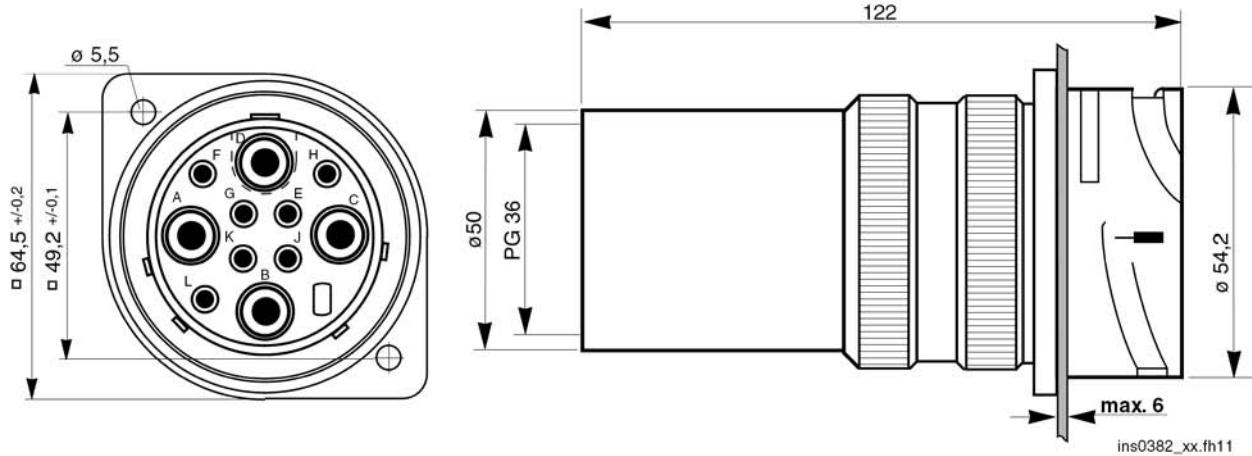
Designation	Order no.	Rexroth cable INK... [mm ²]								
		0653	0650	0602	0603	0604	0605	0606	0607	0667
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0
EMC fitting										
PG21 (9-16 mm)	R911275168	■	■	■	-	-	-	-	-	-
PG29 (13-20 mm)	R911275153	-	-	-	■	■	-	-	-	-
PG29 (18-25 mm)	R911275154	-	-	-	-	-	■	-	-	-
PG36 (22-32 mm)	R911275171	-	-	-	-	-	-	■	■	■
Reduction										
PG29 / PG21	R911221024	■	■	■	-	-	-	-	-	-
PG36 / PG29	R911220474	■	■	■	■	■	■	-	-	-

■ necessary for self-assembly; it must be ordered separately
- not necessary

Fig.26-3: Connector set for Rexroth cables (fittings/PG36 reductions)

Components

26.1.3 INS0382, Connector Set



INS0382, Power connector (pin)

Ordering designation	Power contacts			Control contact		
	Amount	Cross-section [mm²]	Type	Amount	Cross-section [mm²]	Type
INS0382/C06	3 + PE	6.0	Crimp contact	7	1.5	Crimp contact
INS0382/C10	3 + PE	10.0	Crimp contact	7	1.5	Crimp contact
INS0382/C16	3 + PE	16.0	Crimp contact	7	1.5	Crimp contact
INS0382/C25	3 + PE	25.0	Crimp contact	7	1.5	Crimp contact
INS0382/L35	3 + PE	35.0	Solder contact	7	1.5	Solder contact

Fig.26-4: Power connector INS0382 (separate parts)

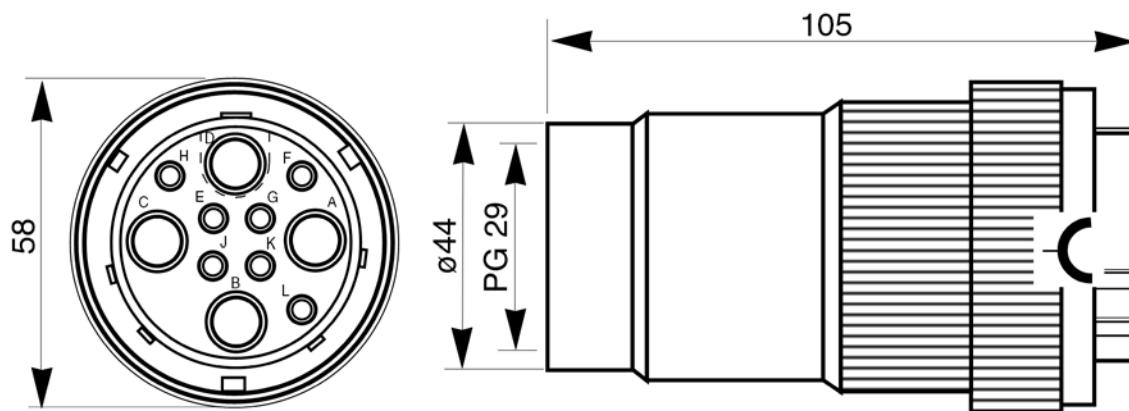
Fittings and reductions for PG36 connection

Designation	Order no.	Rexroth cable INK... [mm²]								
		0653	0650	0602	0603	0604	0605	0606	0607	0667
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0
EMC fitting										
PG21 (9-16 mm)	R911275168	■	■	■	-	-	-	-	-	-
PG29 (13-20 mm)	R911275153	-	-	-	■	■	-	-	-	-
PG29 (18-25 mm)	R911275154	-	-	-	-	-	■	-	-	-
PG36 (22-32 mm)	R911275171	-	-	-	-	-	-	■	■	■
Reduction										
PG29 / PG21	R911221024	■	■	■	-	-	-	-	-	-
PG36 / PG29	R911220474	■	■	■	■	■	■	-	-	-

■ necessary for self-assembly; it must be ordered separately
- not necessary

Fig.26-5: Connector set for Rexroth cables (fittings/PG36 reductions)

26.1.4 INS0481, Connector Set



ins0481_xx.fh11

INS0481, Power connector (bush)

Ordering designation	Power contacts			Control contact		
	Amount	Cross-section [mm ²]	Type	Amount	Cross-section [mm ²]	Type
INS0481/C02	3 + PE	1.5	Crimp contact	7	1.5	Crimp contact
INS0481/C03	3 + PE	2.5	Crimp contact	7	1.5	Crimp contact
INS0481/C04	3 + PE	4.0	Crimp contact	7	1.5	Crimp contact
INS0481/C06	3 + PE	6.0	Crimp contact	7	1.5	Crimp contact
INS0481/L10	3 + PE	10.0	Solder contact	7	1.5	Solder contact

Fig.26-6: Power connector INS0481 (separate parts)

Fittings and reductions for PG29 connection

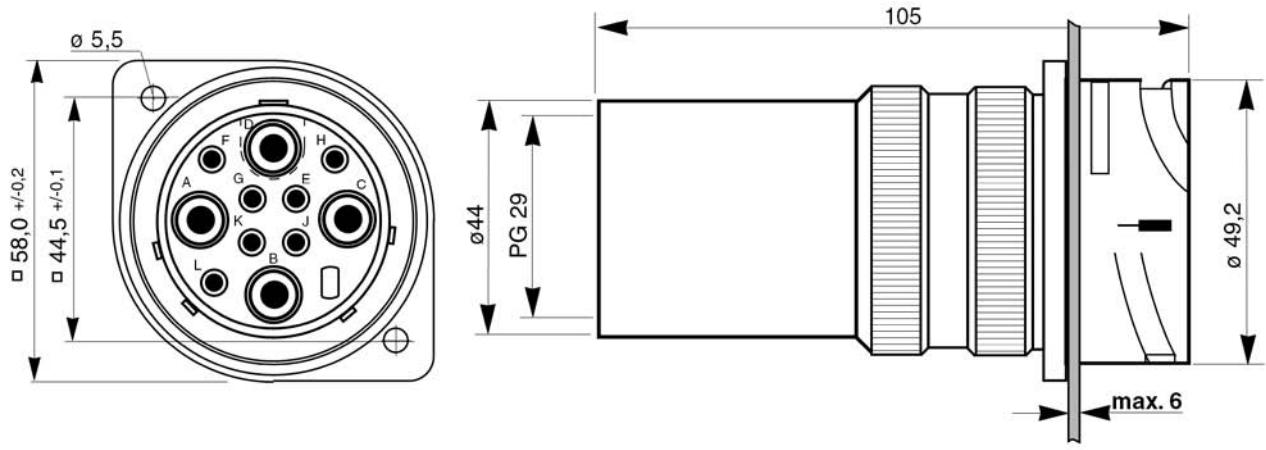
Designation	Order no.	Rexroth cable INK... [mm ²]					
		0653	0650	0602	0603	0604	0605
		1.0	1.5	2.5	4.0	6.0	10.0
EMC fitting							
PG21 (9-16 mm)	R911275168	■	■	-	-	-	-
PG29 (13-20 mm)	R911275153	-	-	■	■	■	-
PG29 (18-25 mm)	R911275154	-	-	-	-	-	■
Reduction							
PG29 / PG21	R911221024	■	■	-	-	-	-

■ necessary for self-assembly; it must be ordered separately
- not necessary

Fig.26-7: Connector set for Rexroth cables (fittings/PG29 reductions)

Components

26.1.5 INS0482, Connector Set



ins0482_xx.fh11

INS0482, Power connector (pin)

Ordering designation	Power contact			Control contact		
	Amount	Cross-section [mm²]	Type	Amount	Cross-section [mm²]	Type
INS0482/C02	3 + PE	1.5	Crimp contact	7	1.5	Crimp contact
INS0482/C03	3 + PE	2.5	Crimp contact	7	1.5	Crimp contact
INS0482/C04	3 + PE	4.0	Crimp contact	7	1.5	Crimp contact
INS0482/C06	3 + PE	6.0	Crimp contact	7	1.5	Crimp contact
INS0482/L10	3 + PE	10.0	Solder contact	7	1.5	Solder contact

Fig.26-8: Power connector INS0482 (separate parts)

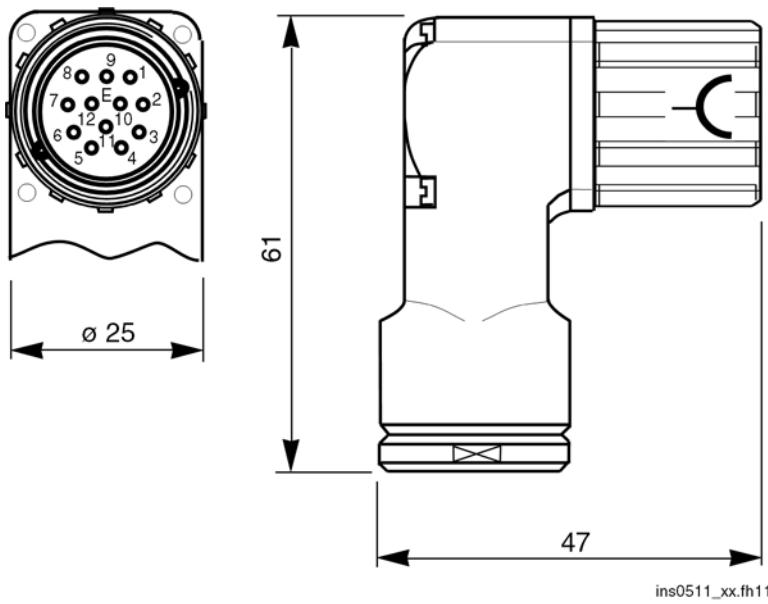
Fittings and reductions for PG29 connection

Designation	Order no.	Rexroth cable INK... [mm²]					
		0653	0650	0602	0603	0604	0605
		1.0	1.5	2.5	4.0	6.0	10.0
EMC fitting							
PG21 (9-16 mm)	R911275168	■	■	-	-	-	-
PG29 (13-20 mm)	R911275153	-	-	■	■	■	-
PG29 (18-25 mm)	R911275154	-	-	-	-	-	■
Reduction							
PG29 / PG21	R911221024	■	■	-	-	-	-

■ necessary for self-assembly; it must be ordered separately
- not necessary

Fig.26-9: Connector set for Rexroth cables (fittings/PG29 reductions)

26.1.6 INS0511, Connector Set



INS0511, Encoder connector (bush)

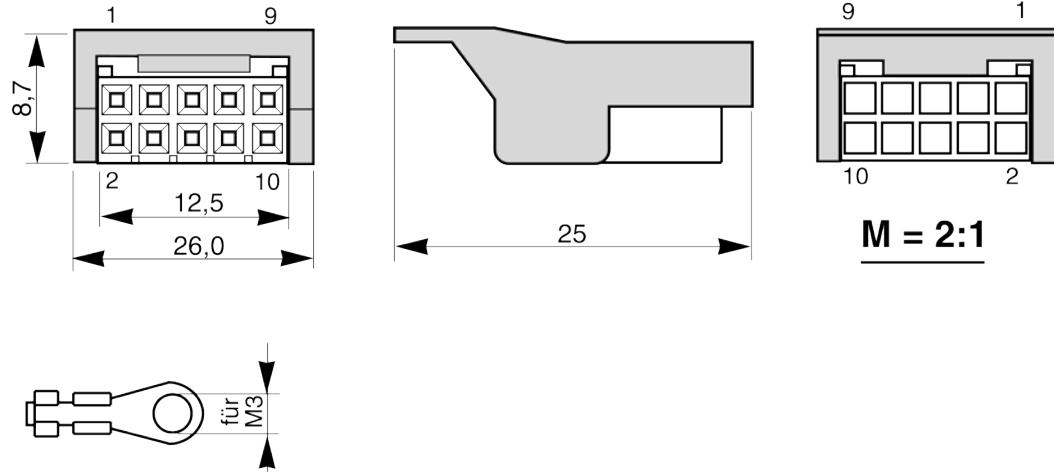
Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross-section [mm ²]	Type
INS0511/C01	8.5 ... 9.1	12	0.14 ... 1.0	Crimp contact

Fig.26-10: Encoder connector INS0511 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

Components

26.1.7 INS0672, Connector Set

INS0672, Encoder connector (bush)

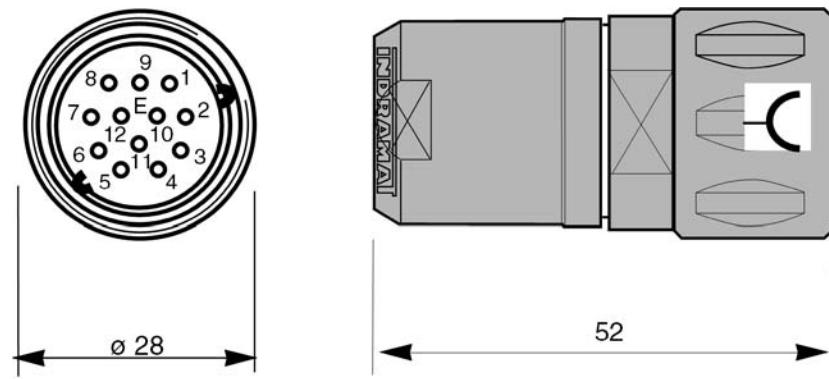
Ordering designation	Shield contact		Control contact		
	Amount	Cross-section [mm ²]	Amount	Cross-section [mm ²]	Type
INS0672/C01	1	0.25 ... 1.5	10	0.25 ... 0.5	Crimp contact Ring cable lug

Fig.26-11: Encoder connector INS0672 (separate parts)



Connector for encoder connection within the terminal box.

26.1.8 INS0713, Connector Set



ins0713_xx.fh11

INS0713, Encoder connector (bush)

Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross-section [mm ²]	Type
INS0713/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact

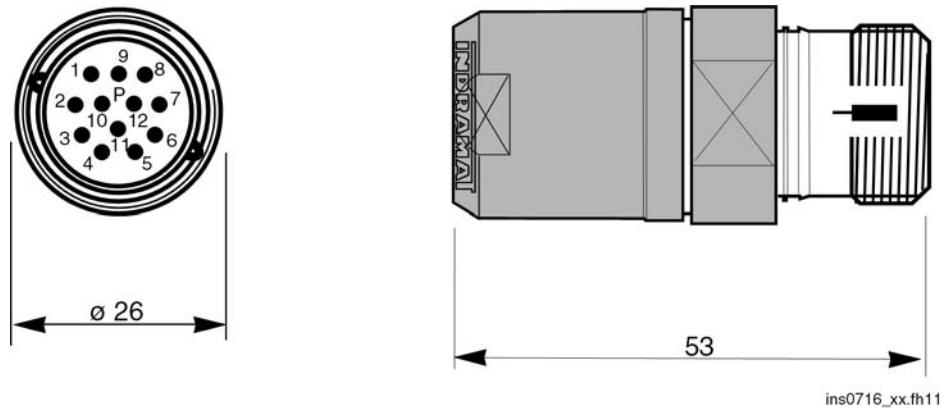
Fig.26-12: Encoder connector INS0713 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

Components

26.1.9 INS0716, Connector Set



INS0716, Encoder connector (pin)

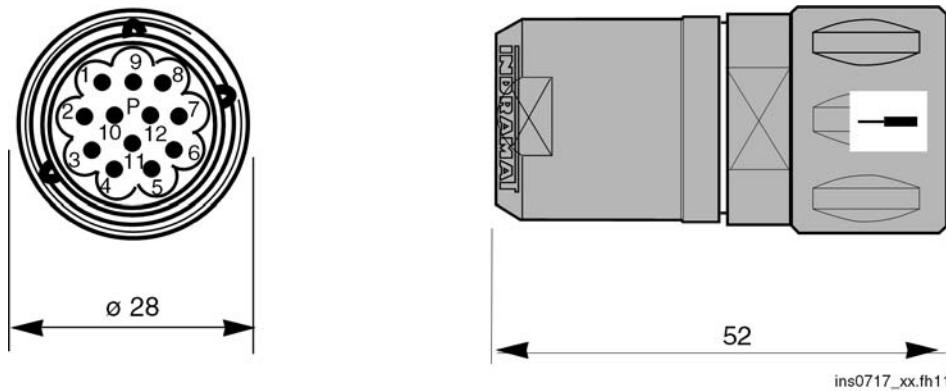
Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross-section [mm ²]	Type
INS0716/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact

Fig.26-13: Encoder connector INS0716 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

26.1.10 INS0717, Connector Set



INS0717, Encoder connector (pin)

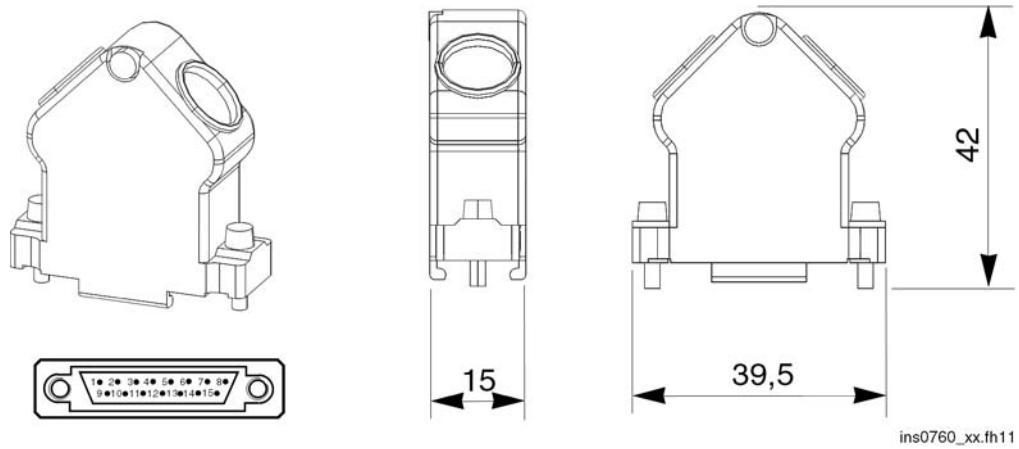
Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross-section [mm ²]	Type
INS0717/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact

Fig.26-14: Encoder connector INS0717 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

Components

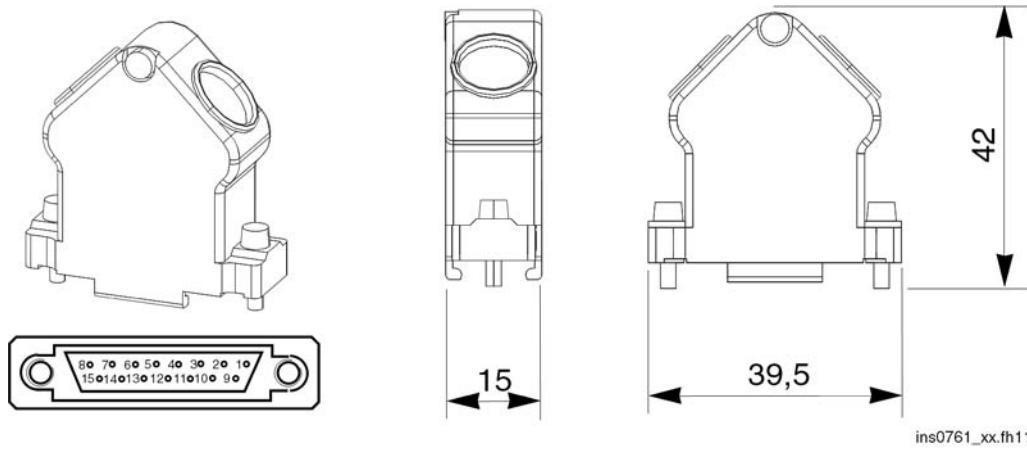
26.1.11 INS0760, Connector Set**INS0760, Encoder connector (pin)**

Ordering designation	Clamping range [mm]	Contact		
		Amount	Cross-section [mm ²]	Type
INS0760/C01	4.8 ... 11.0	15	0.2 ... 0.5	Crimp contact
INS0760/L01	4.8 ... 11.0	15	0.14 ... 0.5	Solder contact

Fig.26-15: D-Sub 15pol, INS0760 (separate parts)

Connector with integrated cable clamping

26.1.12 INS0761, Connector Set



INS0761, Encoder connector (bush)

Ordering designation	Clamping range [mm]	Contact		
		Amount	Cross-section [mm ²]	Type
INS0761/L01	4.8 ... 11.0	15	0.14 ... 0.5	Solder contact

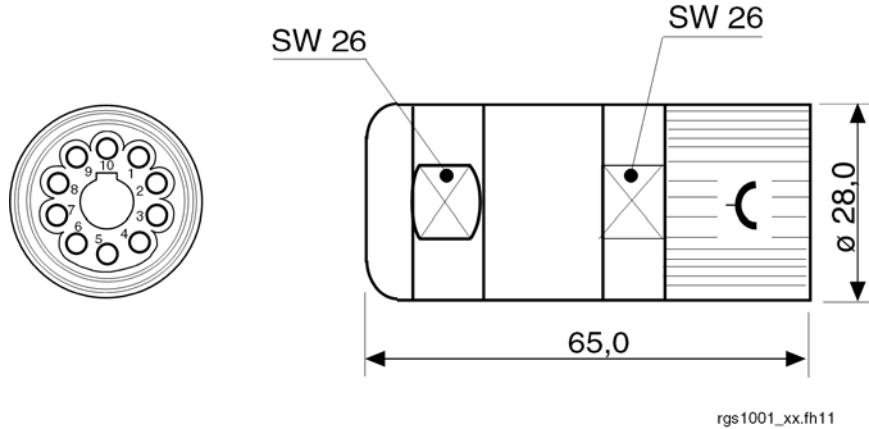
Fig.26-16: D-Sub 15pol, INS0761 (separate parts)



Connector with integrated cable clamping

Components

26.1.13 RGS1001, Connector Set



rgs1001_xx.fh11

RGS1001, Encoder connector (bush)

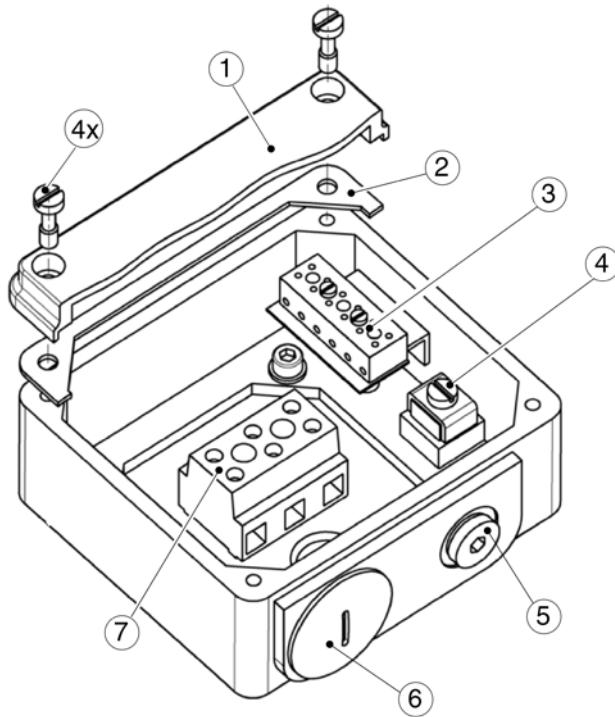
Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross-section [mm ²]	Type
RGS1001/C01	7.5 ... 9.0	10	0.25 ... 1.5	Crimp contact

Fig.26-17: Encoder connector RGS1001 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

26.1.14 RLK0003, Connector Set



Connection components RKL0003

Pos	Designation	Value
(7)	Terminal block U-V-W for wire end ferrules	2.5 ... 10.0 mm ²
(3)	Terminal strip (brake, temperature sensor) for wire end ferrules	1.0 ... 2.5 mm ²
(4)	Ground terminal connection	2.5 ... 10.0 mm ²
(6)	Thread metric	M32 × 1.5

Fig.26-18: RLK0003, electric connection components

Fittings and reductions for connection M32 × 1.5

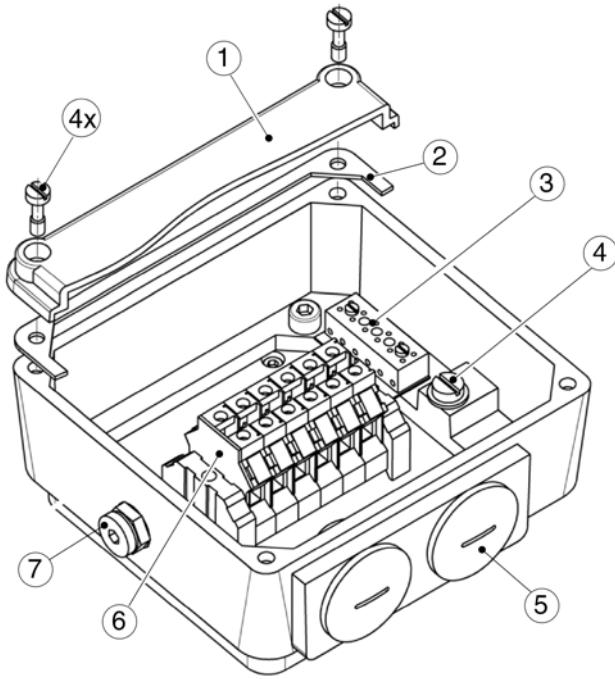
Designation	Order no.	Rexroth cable INK... [mm ²]					
		0653	0650	0602	0603	0604	0605
		1.0	1.5	2.5	4.0	6.0	10.0
EMC fitting							
M25 × 1.5 (9-16 mm)	R911 296531	■	■	■	-	-	-
M32 × 1.5 (13-20 mm)	R911 296533	-	-	-	■	■	-
M32 × 1.5 (18-25 mm)	R911 296532	-	-	-	-	-	■
Reduction							
M32 / M25	R911 311878	■	■	■	-	-	-

■ necessary for self-assembly; it must be ordered separately
- not necessary

Fig.26-19: Connector set for Rexroth cables (fittings/M32 × 1.5 reductions)

Components

26.1.15 RLK0004, Connector Set



Connection components RKL0004

Pos	Designation	Value
(6)	Terminal block U-V-W for wire end ferrules	2.5 ... 25.0 mm ²
(3)	Terminal strip (brake, temperature sensor) for wire end ferrules	1.0 ... 2.5 mm ²
(4)	Ground terminal connection	2.5 ... 25.0 mm ²
(5)	Thread metric	M40 × 1.5

Fig.26-20: RLK0004, electric connection components

Fittings and reductions for connection M40 × 1.5

Designation	Order no.	Rexroth cable INK... [mm ²]								
		0653	0650	0602	0603	0604	0605	0606	0607	0667
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0
EMC fitting										
M25 × 1.5 (9-16 mm)	R911296531	■	■	■	-	-	-	-	-	-
M32 × 1.5 (13-20 mm)	R911296533	-	-	-	■	■	-	-	-	-
M32 × 1.5 (18-25 mm)	R911296532	-	-	-	-	-	■	-	-	-
M40 × 1.5 (22-32 mm)	R911296534	-	-	-	-	-	-	■	■	■
Reduction										

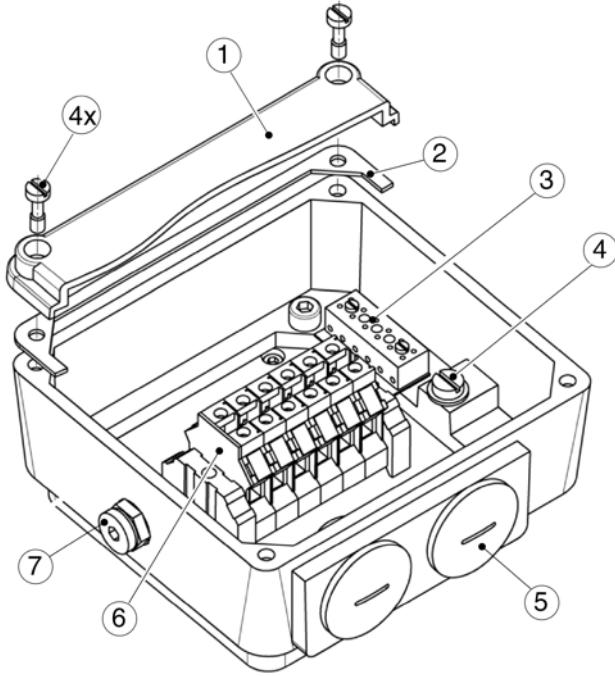
Components

Designation	Order no.	Rexroth cable INK... [mm ²]								
		0653	0650	0602	0603	0604	0605	0606	0607	0667
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0
M40 / M25	R911310332	■	■	■	-	-	-	-	-	-
M40 / M32	R911310197	-	-	-	■	■	■	-	-	-

■ necessary for self-assembly; it must be ordered separately
- not necessary
Fig.26-21: Connector set for Rexroth cables (fittings/M40 x 1.5 reductions)

Components

26.1.16 RLK0005, Connector Set



Connection components RKL0005

Pos	Designation	Value
(7)	Terminal block U-V-W for wire end ferrules	2.5 ... 35.0 mm ²
(3)	Terminal strip (brake, temperature sensor) for wire end ferrules	1.0 ... 2.5 mm ²
(4)	Ground terminal connection	2.5 ... 35.0 mm ²
(6)	Thread metric	M50 × 1.5

Fig.26-22: RLK0005, electric connection components

Fittings and reductions for connection M50 × 1.5

Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
EMC fitting											
M25 × 1.5 (9-16 mm)	R911296531	■	■	■	-	-	-	-	-	-	-
M32 × 1.5 (13-20 mm)	R911296533	-	-	-	■	■	-	-	-	-	-
M32 × 1.5 (18-25 mm)	R911296532	-	-	-	-	-	■	-	-	-	-
M40 × 1.5 (22-32 mm)	R911296534	-	-	-	-	-	-	■	■	■	-
M50 × 1.5 (32-38 mm)	R911296535	-	-	-	-	-	-	-	-	-	■
Reduction											
M50 / M25	R911311279	■	■	■	-	-	-	-	-	-	-

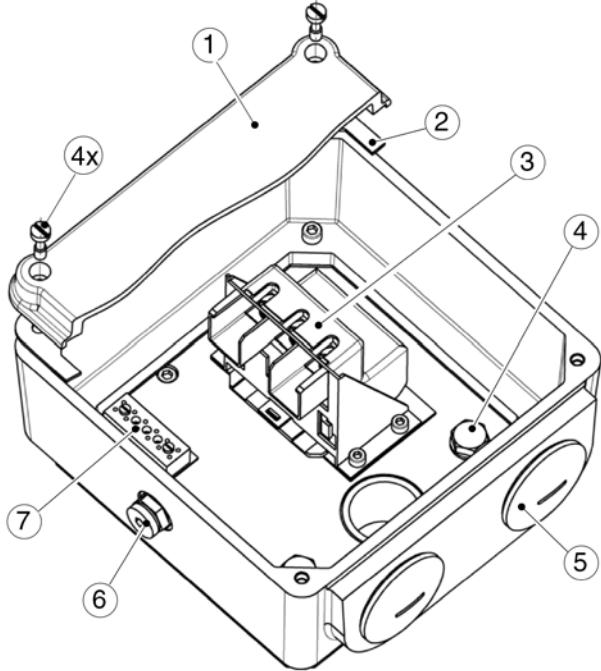
Components

Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
M50 / M32	R911311876	-	-	-	■	■	■	-	-	-	-
M50 / M40	R911311880	-	-	-	-	-	-	■	■	■	-

■ necessary for self-assembly; it must be ordered separately
- not necessary
Fig.26-23: Connector set for Rexroth cables (fittings/M50 x 1.5 reductions)

Components

26.1.17 RLK0006, Connector Set



Connection components RKL0006

Pos	Designation	Value
(6)	Terminal block U-V-W for wire end ferrules	10.0 ... 50.0 mm ²
(3)	Terminal strip (brake, temperature sensor) for wire end ferrules	1.0 ... 2.5 mm ²
(4)	Ground terminal connection	10.0 ... 50.0 mm ²
(6)	Thread metric	M50 × 1.5

Fig.26-24: RLK0006, electric connection components

Fittings and reductions for connection M50 × 1.5

Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
EMC fitting											
M25 × 1.5 (9-16 mm)	R911296531	■	■	■	-	-	-	-	-	-	-
M32 × 1.5 (13-20 mm)	R911296533	-	-	-	■	■	-	-	-	-	-
M32 × 1.5 (18-25 mm)	R911296532	-	-	-	-	-	■	-	-	-	-
M40 × 1.5 (22-32 mm)	R911296534	-	-	-	-	-	-	■	■	■	-
M50 × 1.5 (32-38 mm)	R911296535	-	-	-	-	-	-	-	-	-	■
Reduction											
M50 / M25	R911311279	■	■	■	-	-	-	-	-	-	-

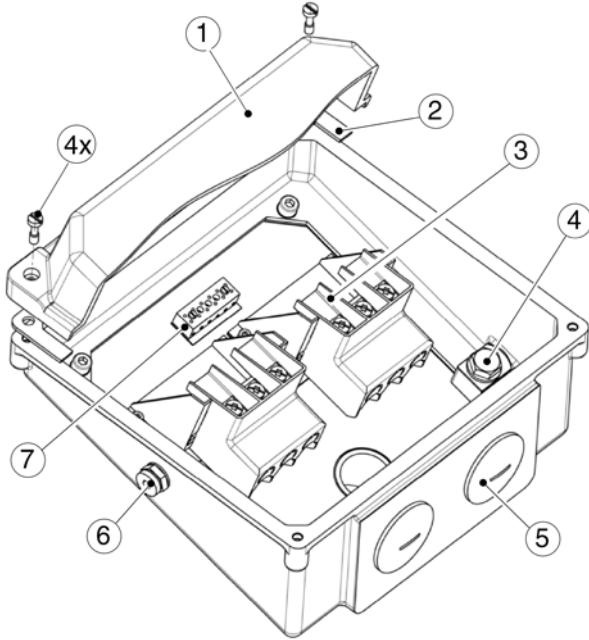
Components

Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
M50 / M32	R911311876	-	-	-	■	■	■	-	-	-	-
M50 / M40	R911311880	-	-	-	-	-	-	■	■	■	-

■ necessary for self-assembly; it must be ordered separately
- not necessary
Fig.26-25: Connector set for Rexroth cables (fittings/M50 x 1.5 reductions)

Components

26.1.18 RLK0007, Connector Set



Connection components RKL0007

Pos	Designation	Value
(6)	Terminal block U-V-W for wire end ferrules	16.0 ... 35.0 mm ²
(3)	Terminal strip (brake, temperature sensor) for wire end ferrules	1.0 ... 2.5 mm ²
(4)	Ground terminal connection	16.0 ... 35.0 mm ²
(5)	Thread metric	M50 × 1.5

Fig.26-26: RLK0007, electric connection components

Fittings and reductions for connection M50 × 1.5

Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
EMC fitting											
M25 × 1.5 (9-16 mm)	R911296531	■	■	■	-	-	-	-	-	-	-
M32 × 1.5 (13-20 mm)	R911296533	-	-	-	■	■	-	-	-	-	-
M32 × 1.5 (18-25 mm)	R911296532	-	-	-	-	-	■	-	-	-	-
M40 × 1.5 (22-32 mm)	R911296534	-	-	-	-	-	-	■	■	■	-
M50 × 1.5 (32-38 mm)	R911296535	-	-	-	-	-	-	-	-	-	■
Reduction											
M50 / M25	R911311279	■	■	■	-	-	-	-	-	-	-

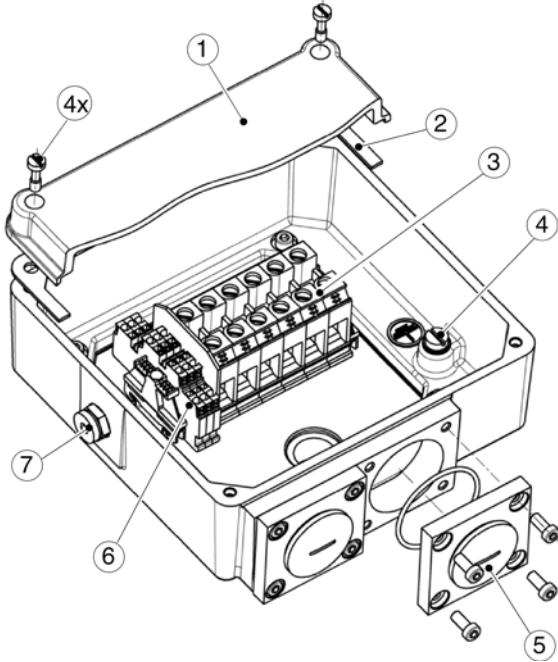
Components

Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
M50 / M32	R911311876	-	-	-	■	■	■	-	-	-	-
M50 / M40	R911311880	-	-	-	-	-	-	■	■	■	-

■ necessary for self-assembly; it must be ordered separately
- not necessary
Fig.26-27: Connector set for Rexroth cables (fittings/M50 x 1.5 reductions)

Components

26.1.19 RLK1201, Connector Set



Connection components RKL1201

Pos	Designation	Value
(3)	Terminal block U-V-W for wire end ferrules	1.5 ... 16.0 mm ²
(6)	Terminal strip (brake, temperature sensor) for wire end ferrules	1.0 ... 2.5 mm ²
(4)	Ground terminal connection	1.5 ... 16.0 mm ²
(5)	Adapter plate (thread metric)	M25 × 1.5 / M32 × 1.5 / M40 × 1.5

Fig.26-28: RLK1201, electric connection components

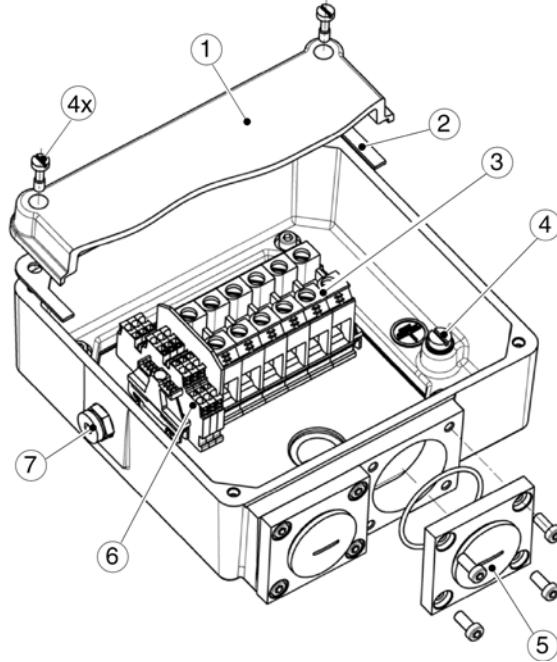
Fittings for Rexroth cables

Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
EMC fitting											
M25 × 1.5 (9-16 mm)	R911296531	■	■	■	-	-	-	-	-	-	-
M32 × 1.5 (13-20 mm)	R911296533	-	-	-	■	■	-	-	-	-	-
M32 × 1.5 (18-25 mm)	R911296532	-	-	-	-	-	■	-	-	-	-
M40 × 1.5 (22-32 mm)	R911296534	-	-	-	-	-	-	■	■	■	-
M50 × 1.5 (32-38 mm)	R911296535	-	-	-	-	-	-	-	-	-	■

■ necessary for self-assembly; it must be ordered separately
 - not necessary

Fig.26-29: Accessories Rexroth cable (fittings)

26.1.20 RLK1301, Connector Set



Connection components RKL1301

Pos	Designation	Value
(3)	Terminal block U-V-W for wire end ferrules	1.5 ... 35.0 mm ²
(6)	Terminal strip (brake, temperature sensor) for wire end ferrules	1.0 ... 2.5 mm ²
(4)	Ground terminal connection	1.5 ... 35.0 mm ²
(5)	Adapter plate (thread metric)	M25 × 1.5 / M32 × 1.5 / M40 × 1.5

Fig.26-30: RLK1301, electric connection components

Fittings for Rexroth cables

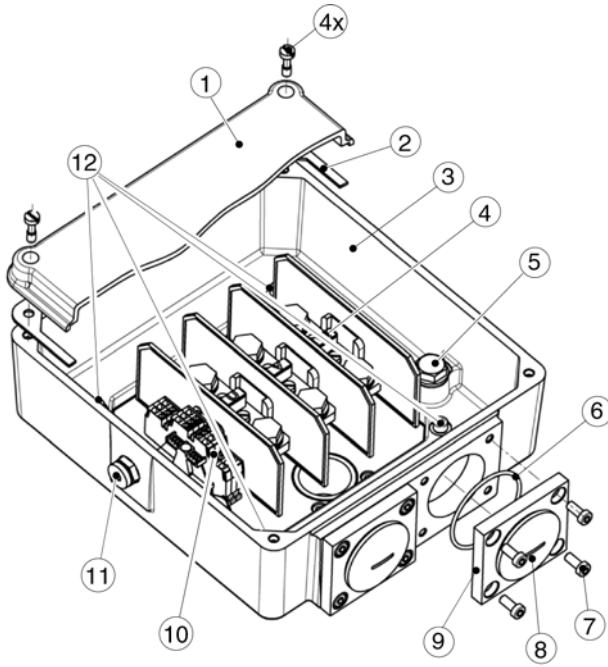
Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
EMC fitting											
M25 × 1.5 (9-16 mm)	R911296531	■	■	■	-	-	-	-	-	-	-
M32 × 1.5 (13-20 mm)	R911296533	-	-	-	■	■	-	-	-	-	-
M32 × 1.5 (18-25 mm)	R911296532	-	-	-	-	-	■	-	-	-	-
M40 × 1.5 (22-32 mm)	R911296534	-	-	-	-	-	-	■	■	■	-
M50 × 1.5 (32-38 mm)	R911296535	-	-	-	-	-	-	-	-	-	■

■ necessary for self-assembly; it must be ordered separately
- not necessary

Fig.26-31: Accessories Rexroth cable (fittings)

Components

26.1.21 RLK1401, Connector Set



Connection components RKL1401

Pos	Designation	Value
(4)	Terminal block U-V-W for wire end ferrules	6.0 ... 50.0 mm ²
(10)	Terminal strip (brake, temperature sensor) for wire end ferrules	1.0 ... 2.5 mm ²
(5)	Ground terminal connection	6.0 ... 50.0 mm ²
(9)	Adapter plate (thread metric)	M32 × 1.5 / M40 × 1.5 / M50 × 1.5

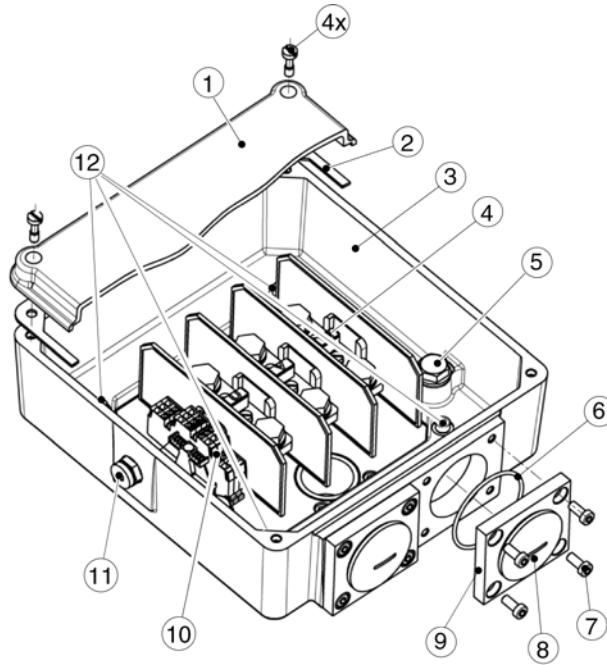
Fig.26-32: RLK1401, electric connection components

Fittings for Rexroth cables

Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
EMC fitting											
M25 × 1.5 (9-16 mm)	R911296531	■	■	■	-	-	-	-	-	-	-
M32 × 1.5 (13-20 mm)	R911296533	-	-	-	■	■	-	-	-	-	-
M32 × 1.5 (18-25 mm)	R911296532	-	-	-	-	-	■	-	-	-	-
M40 × 1.5 (22-32 mm)	R911296534	-	-	-	-	-	-	■	■	■	-
M50 × 1.5 (32-38 mm)	R911296535	-	-	-	-	-	-	-	-	-	■

■ necessary for self-assembly; it must be ordered separately
 - not necessary
Fig.26-33: Accessories Rexroth cable (fittings)

26.1.22 RLK1501, Connector Set



Connection components RKL1501

Pos	Designation	Value
(4)	Terminal block U-V-W for wire end ferrules	16.0 ... 50.0 mm ²
(10)	Terminal strip (brake, temperature sensor) for wire end ferrules	1.0 ... 2.5 mm ²
(5)	Ground terminal connection	16.0 ... 50.0 mm ²
(9)	Adapter plate (thread metric)	M40 × 1.5 / M50 × 1.5

Fig.26-34: RLK1501, electric connection components

Fittings for Rexroth cables

Designation	Order no.	Rexroth cable INK... [mm ²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
EMC fitting											
M25 × 1.5 (9-16 mm)	R911296531	■	■	■	-	-	-	-	-	-	-
M32 × 1.5 (13-20 mm)	R911296533	-	-	-	■	■	-	-	-	-	-
M32 × 1.5 (18-25 mm)	R911296532	-	-	-	-	-	■	-	-	-	-
M40 × 1.5 (22-32 mm)	R911296534	-	-	-	-	-	-	■	■	■	-
M50 × 1.5 (32-38 mm)	R911296535	-	-	-	-	-	-	-	-	-	■

■ necessary for self-assembly; it must be ordered separately
- not necessary

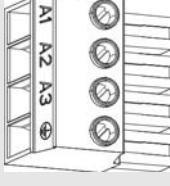
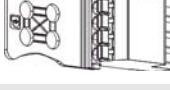
Fig.26-35: Accessories Rexroth cable (fittings)

Components

26.1.23 RLS0721, Connector Set**Connection for IndraDrive controllers****• RLS0721**

HCS02.1E-W0054
 HCS02.1E-W0070
 HCS03.1E-W0070
 HMS01.1N-W0054
 HMS01.1N-W0070
 HMS02.1N-F0070
 HMS02.1N-W0054

Separate parts for cable connection RLS0721/xxx

Pos.	Designation	Amount						
	RLS0721/...	.../K01	.../K02	.../K03	.../K04	.../K06	.../K10	.../K16
10	Connector terminal 4pole	1	1	1	1	1	1	1
								
20	Connector terminal 4pole	1	1	1	1	1	1	1
								
30	Coding profile	1	1	1	1	1	1	1
40	Wire end ferrule [mm ²]	4 x 1.0	4 x 1.5	4 x 2.5	4 x 4.0	4 x 6.0	4 x 10.0	4 x 16.0 (+ 4 x 1.5)
50	Adhesive heat-shrink tubing [mm]	1 x 25	1 x 40	1 x 40				
60	Copper adhesive tape[mm]	1 x 60	1 x 70	1 x 80	1 x 80	1 x 80	1 x 100	1 x 100
70	Cable ties	1	1	1	1	1	1	1

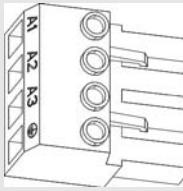
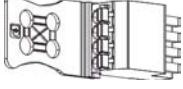
26.1.24 RLS0722, Connector Set

Connection for IndraDrive controllers

● RLS0722

HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

Separate parts for cable connection RLS0722/xxx

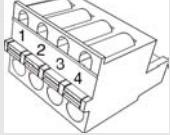
Pos.	Designation	Amount			
	RLS0722/...	.../K01	.../K02	.../K03	.../K04
10	Connector terminal 4pole	1	1	1	1
					
20	Connector terminal 4pole	1	1	1	1
					
30	Coding profile	1	1	1	1
40	Wire end ferrule [mm ²]	4 x 1.0	4 x 1.5	4 x 2.5	4 x 4.0
50	Adhesive heat-shrink tubing [mm]	1 x 25	1 x 25	1 x 25	1 x 25
60	Copper adhesive tape[mm]	1 x 60	1 x 70	1 x 80	1 x 80
70	Cable ties	1	1	1	1

Components

26.1.25 RLS0723, Connector Set**Connection for IndraDrive controllers****• RLS0723**

HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110

Separate parts for cable connection RLS0723/xxx

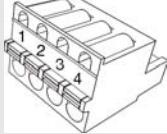
Pos.	Designation	Amount							
	RLS0723/...	.../K03	.../K04	.../K06	.../K10	.../K16	.../K25	.../K35	.../K50
10	Connector terminal 4pole	1	1	1	1	1	1	1	1
									
20	Wire end ferrule [mm ²]	4 x 1.0	2x 1.0	2x 1.0	2 x 1.0	--	--	--	--
30	Wire end ferrule [mm ²]	--	2x 1.5	2x 1.5	2 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.5
40	Terminal end M6 [mm ²]	4 x 2.5	4x 4.0	4x 6.0	4 x 10.0	4 x 16.0	4 x 25.0	4 x 35.0	4 x 50.0
50	Adhesive heat-shrink tubing [mm]	1 x 25	1 x 25	1 x 25	1 x 40	1 x 40	1 x 50	1 x 50	1 x 50
60	Copper adhesive tape[mm]	1 x 70	2 x 80	3 x 80	3 x 100	3 x 100	3 x 120	3 x 120	3 x 140
70	Adhesive heat-shrink tubing [mm]	3 x 25	3 x 25	3 x 25	3 x 25	3 x 25	3 x 25	3 x 25	3 x 25

26.1.26 RLS0724, Connector Set

Connection for IndraDrive controllers

● **RLS0724**
HCS03.1E-W0210

Separate parts for cable connection RLS0724/xxx

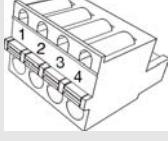
Pos	Designation	Amount			
		.../K16	.../K25	.../K35	.../K50
10	Connector terminal 4pole	1	1	1	1
					
20	Wire end ferrule [mm ²]	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.5
30	Terminal end M10	3 x 16.0	3 x 25.0	3 x 35.0	3 x 50.0
40	Terminal end M8	1 x 16.0	1 x 25.0	1 x 35.0	1 x 50.0
50	Adhesive heat-shrink tubing [mm]	1 x 40	1 x 50	1 x 50	1 x 50
60	Copper adhesive tape[mm]	3 x 100	3 x 75	3 x 75	3 x 75
70	Adhesive heat-shrink tubing [mm]	3 x 25	3 x 25	3 x 25	3 x 25

Components

26.1.27 RLS0727, Connector Set**Connection for IndraDrive controllers**

● **RLS0727**
HCS04.1E-W0500
HMS01.1N-W0350

Separate parts for cable connection RLS0727/xxx

Pos	Designation	Amount		
		.../K25	.../K35	.../K50
10	Connector terminal 4-pole	1	1	1
				
20	Wire end ferrule [mm ²]	4 x 1.5	4 x 1.5	4 x 2.5
30	Terminal end M10	4 x 25.0	4 x 35.0	4 x 50.0
40	Adhesive heat-shrink tubing [mm]	1 x 50	1 x 50	1 x 50
50	Copper adhesive tape[mm]	4 x 120	4 x 120	4 x 120
60	Adhesive heat-shrink tubing [mm]	4 x 25	4 x 25	4 x 25

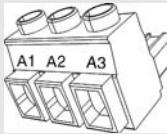
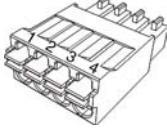
26.1.28 RLS0745, Connector Set

Connection for IndraDrive controllers

• RLS0745

HCS01.1E-W0003
HCS01.1E-W0005
HCS01.1E-W0008

Separate parts for cable connection RLS0745/xxx

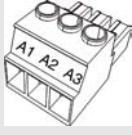
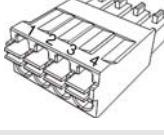
Pos	Designation	Amount	
		.../K01	.../K02
10	Terminal screw 3-pole	1	1
			
20	Terminal screw 4-pole	1	1
			
30	Wire end ferrule [mm ²]	4 x 0.075	4 x 0.075
40	Terminal end M5 [mm ²]	1 x 0.5 ... 1.5	1 x 0.5 ... 1.5
50	Adhesive heat-shrink tubing [mm]	1 x 15	1 x 15
60	Copper adhesive tape[mm]	1 x 60	1 x 60

Components

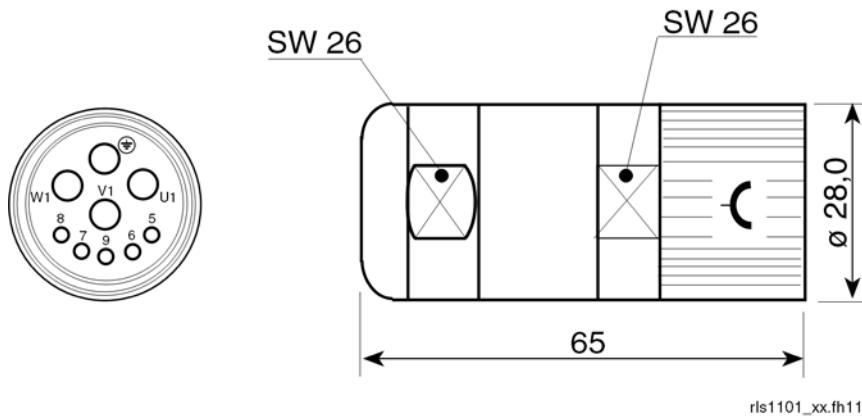
26.1.29 RLS0746, Connector Set**Connection for IndraDrive controllers**

- **RLS0746**
HCS01.1E-W0018
HCS01.1E-W0028

Separate parts for cable connection RLS0746/xxx

Pos	Designation	Amount	
		.../K02	.../K03
10	Connector terminal 3-pole	1	1
			
20	Connector terminal 4-pole	1	1
			
30	Wire end ferrule [mm ²]	4 x 0.75	4 x 1.0
40	Terminal end M5 [mm ²]	1 x 0.5 ... 1.5	1 x 0.5 ... 1.5
50	Adhesive heat-shrink tubing [mm]	1 x 15	1 x 15
60	Copper adhesive tape[mm]	1 x 60	1 x 60

26.1.30 RLS1101, Connector Set



RLS1101, Power connector (bush)

Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Number	Cross-section [mm ²]	Type	Amount	Cross-section [mm ²]	Type
RLS1101/C02	11.0 ... 14.0	3 + PE	1.0 ... 1.5	Crimp contact	5	0.25 ... 1.0	Crimp contact

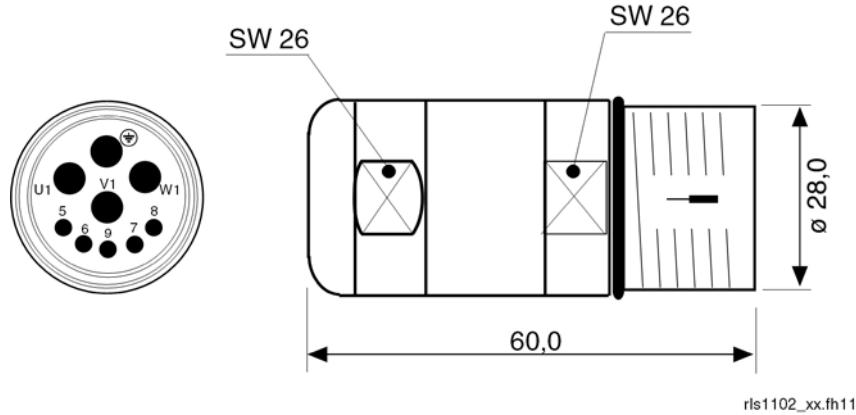
Fig.26-36: Power connector RLS1101 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

Components

26.1.31 RLS1102, Connector Set



RLS1102, power connector (pin)

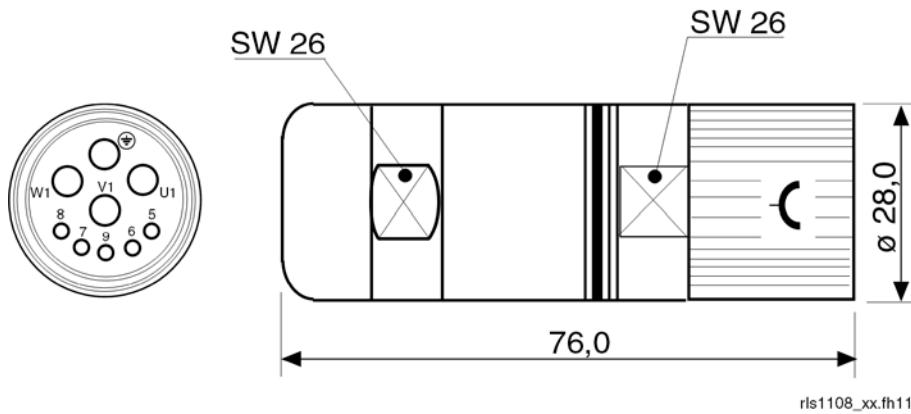
Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount	Cross-section [mm ²]	Type	Amount	Cross-section [mm ²]	Type
RLS1102/C02	11,0 ... 14,0	3 + PE	1,0 ... 1,5	Crimp contact	5	0,25 ... 1,0	Crimp contact

Fig.26-37: Power connector RLS1101 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

26.1.32 RLS1108, Connector Set



INS1108, power connector (bush)

Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount	Cross-section [mm ²]	Type	Amount	Cross-section [mm ²]	Type
RLS1108/C03	7,5 ... 18,0	3 + PE	1,0 ... 2,5	Crimp contact	5	0,25 ... 1,0	Crimp contact

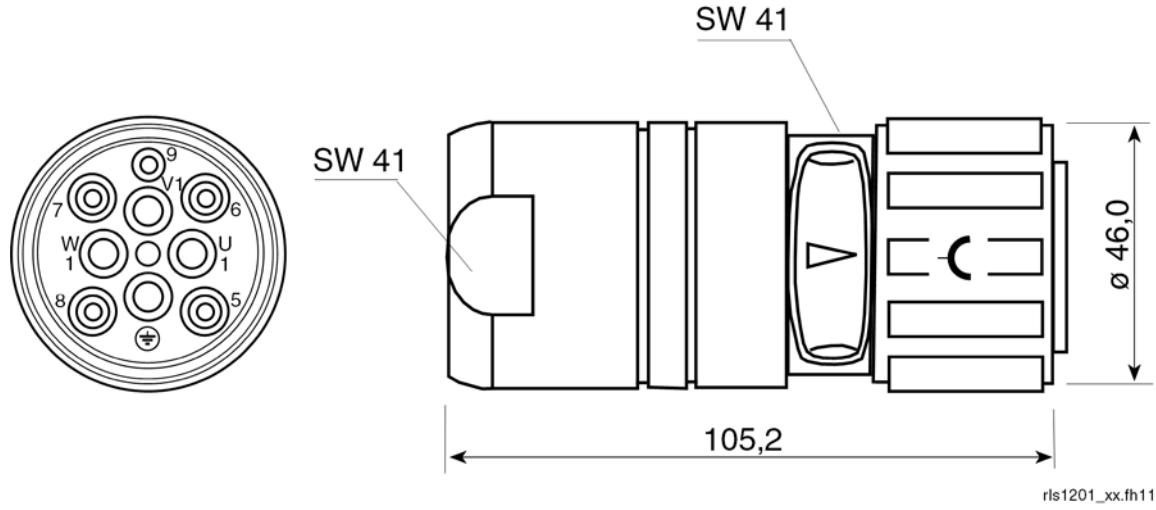
Fig.26-38: Power connector RLS1108 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

Components

26.1.33 RLS1201, Connector Set



INS1201, power connector (bush)

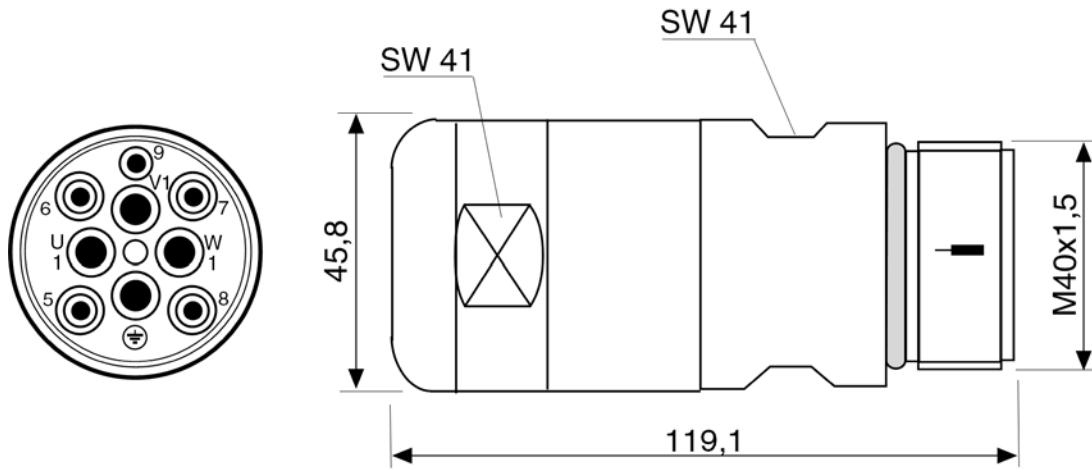
Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount	Cross-section [mm ²]	Type	Amount	Cross-section [mm ²]	Type
RLS1201/C02	9,0 ... 12,7	3 + PE	1,0 ... 1,5	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1201/C04	13,0 ... 17,3	3 + PE	2,5 ... 4,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1201/C06	17,5 ... 21,5	3 + PE	6,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1301/C10	21,5 ... 26,0	3 + PE	10,0	Crimp contact	5	0,75 ... 1,5	Crimp contact

Fig.26-39: Power connector RLS1201 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

26.1.34 RLS1202, Connector Set



rls1202_xx.fh11

INS1202, power connector (pin)

Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount	Cross-section [mm ²]	Type	Amount	Cross-section [mm ²]	Type
RLS1202/C02	9,0 ... 12,7	3 + PE	1,0 ... 1,5	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1202/C04	13,0 ... 17,3	3 + PE	2,5 ... 4,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1202/C06	17,5 ... 21,5	3 + PE	6,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1202/C10	21,5 ... 26,0	3 + PE	10,0	Crimp contact	5	0,75 ... 1,5	Crimp contact

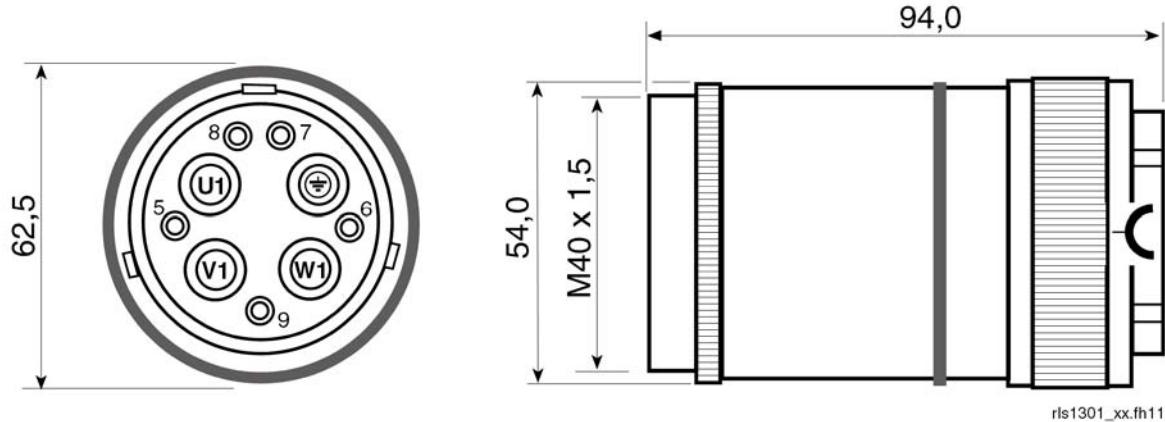
Fig.26-40: Power connector RLS1202 (separate parts)



Connector with integrated cable clamp does not need any EMC fittings

Components

26.1.35 RLS1301, Connector Set



RLS1301, power connector (bush)

Ordering designation	Power contacts			Control contact		
	Amount	Cross-section [mm ²]	Type	Amount	Cross-section [mm ²]	Type
RLS1301/C03	3 + PE	1,5 ... 2,5	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1301/C06	3 + PE	4,0 ... 6,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1301/C10	3 + PE	10,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1301/C16	3 + PE	16,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1301/C25	3 + PE	25,0	Crimp contact	5	0,75 ... 1,5	Crimp contact

Fig.26-41: Power connector RLS1301 (separate parts)

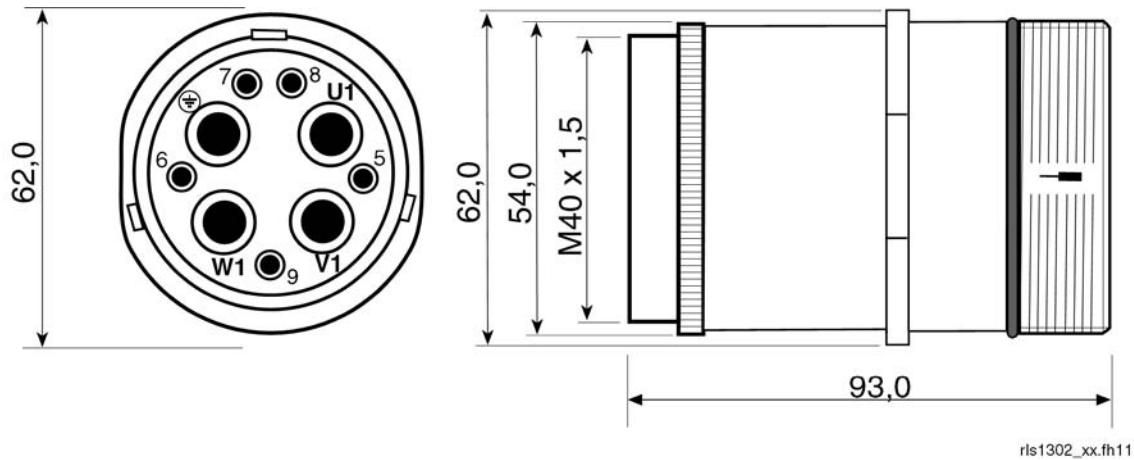
Fittings and reductions for connection M40 × 1.5

Designation	Order no.	Rexroth cable INK... [mm ²]								
		0653	0650	0602	0603	0604	0605	0606	0607	0667
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0
EMC fitting										
M25 × 1.5 (9-16 mm)	R911296531	■	■	■	-	-	-	-	-	-
M32 × 1.5 (13-20 mm)	R911296533	-	-	-	■	■	-	-	-	-
M32 × 1.5 (18-25 mm)	R911296532	-	-	-	-	-	■	-	-	-
M40 × 1.5 (22-32 mm)	R911296534	-	-	-	-	-	-	■	■	■
Reduction										
M40 / M25	R911310332	■	■	■	-	-	-	-	-	-
M40 / M32	R911310197	-	-	-	■	■	■	-	-	-

■ necessary for self-assembly; it must be ordered separately
- not necessary

Fig.26-42: Connector set for Rexroth cables (fittings/M40 × 1.5 reductions)

26.1.36 RLS1302, Connector Set



RLS1302, power connector (pin)

Ordering designation	Power contacts			Control contact		
	Amount	Cross-section [mm ²]	Type	Amount	Cross-section [mm ²]	Type
RLS1302/C03	3 + PE	1,5 ... 2,5	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1302/C06	3 + PE	4,0 ... 6,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1302/C10	3 + PE	10,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1302/C16	3 + PE	16,0	Crimp contact	5	0,75 ... 1,5	Crimp contact
RLS1302/C25	3 + PE	25,0	Crimp contact	5	0,75 ... 1,5	Crimp contact

Fig.26-43: Power connector RLS1302 (separate parts)

Fittings and reductions for cable cross section

Bulk cable	Connection thread on the connector housing	Cross-section [mm ²]	EMC fitting on the cable 1)	Reducer/Expansion
INK0650	M40 x 1.5	1,5	M25 x 1.5	M40 / M25
INK0602	M40 x 1.5	2,5	M25 x 1.5	M40 / M25
INK0603	M40 x 1.5	4,0	M32 x 1.5	M40 / M32
INK0604	M40 x 1.5	6,0	M32 x 1.5	M40 / M32
INK0605	M40 x 1.5	10,0	M32 x 1.5	M40 / M32
INK0606	M40 x 1.5	16,0	M40 x 1.5	none
INK0607	M40 x 1.5	25,0	M40 x 1.5	none
INK0667	M40 x 1.5	35,0	M40 x 1.5	none

1) Choose a clamping range for the fitting according to the outer diameter of the cable

Fig.26-44: RLS1302, fittings

27 Service and Support

Our service helpdesk at our headquarters in Lohr, Germany, will assist you with all kinds of enquiries. Out of helpdesk hours please contact our German service department directly.

	Helpdesk	Service Hotline Germany	Service Hotline Worldwide
Time ¹⁾	Mo-Fr 7:00 am - 6:00 pm CET	Mo-Fr 6:00 pm - 7:00 am CET Sa-Su 0:00 am - 12:00 pm CET	Outwith Germany please contact our sales/service office in your area first.
Phone	+49 (0) 9352 40 50 60	+49 (0) 171 333 88 26 or +49 (0) 172 660 04 06	For hotline numbers refer to the sales office addresses on the Internet.
Fax	+49 (0) 9352 40 49 41	–	
e-mail	service.svc@boschrexroth.de	–	
Internet	http://www.boschrexroth.com	You will also find additional notes regarding service, maintenance (e.g. delivery addresses) and training.	

1) Central European Time (CET)

- Preparing Information** For quick and efficient help please have the following information ready:
- detailed description of the fault and the circumstances
 - information on the type plate of the affected products, especially type codes and serial numbers
 - your phone, fax numbers and e-mail address so we can contact you in case of questions.

Glossary

A- (signal name)

Track A analog negative (level: max. 1.65 Vpp)

A+ (signal name)

Track A analog positive (level: max. 1.65 Vpp)

A+TTL (signal name)

Track A TTL positive (level: RS485)

A-TTL (signal name)

Track A TTL negative (level: RS485)

B- (signal name)

Track B analog negative (level: max. 1.65 Vpp)

B+ (signal name)

Track B analog positive (level: max. 1.65 Vpp)

B+TTL (signal name)

Track B TTL positive (level: RS485)

B-TTL (signal name)

Track B TTL negative (level: RS485)

EncCLK- (signal name)

Frequency negative (level: RS485)

EncCLK+ (signal name)

Frequency positive (level: RS485)

EncData- (signal name)

Data transmission negative (level: RS485)

EncData+ (signal name)

Data transmission positive (level: RS485)

GND_Encoder (signal name)

Power supply, reference potential (0 V)

GND_shld (signal name)

Connection signal shields (inner shields)

Glossary

HCS02 / HCS02 (power element)

The compact converters HCS02 (300 mm design) and HCS03 (400 mm design) belong to the Rexroth product family IndraDrive C and are used to operate single axes.

HMD01

The inverter HMD01 belong to the Rexroth product family IndraDrive M and are used to operate 2 single axes.

HMS01 / HMS02 (power element)

The inverters HMS01 and HMS02 belong to the Rexroth product family IndraDrive M and are used to operate 2 single axes.

IKG ...

Designation of Bosch Rexroth for ready-made power cables

IKS ...

Designation of Bosch Rexroth for ready-made control cables

IndraDyn A

The Rexroth motor generation **IndraDyn A** consists of asynchronous box motors with squirrel-cage rotor and it is available as

- **MAD series** with surface ventilation by solidly connected fan unit.
- **MAF series** with liquid cooling

IndraDyn S

The product family **IndraDyn S** denotes the servo motor series **MSK** und **MKE** von Bosch Rexroth. MSK means synchronous servo motors which are characterized by dynamic, compact design, high torque support and maximum precision due to optical encoder systems. MSK motors are also available in Ex-design.

The MKE-servo motors of the second generation fulfill the specifications according to ATEX and UL/CSA in one class. In connection with the drive devices of Rexroth, the MKE motors generates drive systems with high functionality for the use in hazardous areas.

The electrical connections of IndraDyn S motors are standardized over all frame sizes. IndraDyn S motors are provided with

- a power connection incl. connection for temperature sensor and holding brake,brake,
- an encoder connection.

INK ...

Designation of Bosch Rexroth for bulk cables

INS ...

Designation of Bosch Rexroth for connectors

R- (signal name)

Reference track negative (level: 1 Vpp / 5 VTTL)

R+ (signal name)

Reference track positive (level: 1 Vpp / 5 VTTL)

RGS ...

Designation of Bosch Rexroth for encoder connectors

RKG ...

Designation of Bosch Rexroth for ready-made encoder cables

RKL ...

Designation of Bosch Rexroth for ready-made power cables

RKS ...

Designation of Bosch Rexroth for ring terminals

Ring terminals ensure a simple electric contacting of the cable cores. Bosch Rexroth mainly use ring terminals with a grommet for assembly, but also ring terminals with a so called fork.

RLK ...

Designation of Bosch Rexroth for the connection on a terminal box

RLS ...

Designation of Bosch Rexroth for power connectors

Sense- (signal name)

Feedback of the reference potential (0 ... 1.2 V)

Sense+ (signal name)

Feedback of +5V (sense line) (5 ... 6 V)

Temp- (= T2, signal name)

Analysis of motor temperature (negative potential)

Temp+ (= T1, signal name)

Analysis of motor temperature (positive potential)

VCC_Encoder (signal name)

Power supply (encoder) (level: 5 ... 7.4 V or 12 V)

WEF

Brief description of Bosch Rexroth for wire end ferrules

Glossary

Wire end ferrules are used, to protect the stripped ends of wires to connect each single wire without any damage e.g. into clamps. Choose an internal diameter of the sleeves that they slide over the wires without any problems. The wires should not be twisted. Then, the sleeves are pressed with a special jointing clamp.

There are wire end ferrules with protective shrouds, for additional bend protection of the connected wire, but also without protective shrouds.

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Rexroth
Bosch Group

Bosch Rexroth AG
Electric Drives and Controls
P.O. Box 13 57
97803 Lohr, Germany
Bgm.-Dr.-Nebel-Str. 2
97816 Lohr, Germany
Tel. +49 (0)93 52-40-0
Fax +49 (0)93 52-48 85
www.boschrexroth.com



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