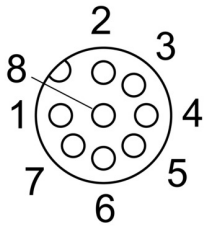
# Plug socket with cable
# SIM-M12-8GD-15-PU

Part number: 5105631

FESTO






## Data sheet

| Feature | Value |
|---|---|
| Type code | SIM |
| Conforms to standard | DIN 47100<br>EN 61076-2-101 |
| Cable designation | Without label holder |
| Electrical connection 1, function | Field device end |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Socket |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 8 |
| Electrical connection 1, occupied pins/wires | 8 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Electrical connection for input 1, connection pattern | 00992265 |
| Electrical connection 2, function | Control side |
| Electrical connection 2, connection type | Cable |
| Electrical connection 2, connection technology | Open end |
| Electrical connection 2, number of pins/wires | 8 |
| Electrical connection 2, occupied pins/wires | 8 |
| DC operating voltage range | 0 V ... 30 V |
| Operating voltage range AC | 0 V ... 30 V |
| Current rating at 40°C | 2 A |
| Surge resistance | 0.8 kV |
| Cable length | 15 m |
| Cable characteristic | Standard |
| Bending radius, fixed cable installation | ≥32 mm |
| Bending radius, flexible cable installation | ≥66 mm |
| Cable diameter | 6.3 mm |
| Cable diameter tolerance | ± 0.2 mm |
| Cable design | 8 x 0.25 mm²<br>Shielded |
| Nominal conductor cross section | 0.25 mm² |
| Wire ends | Tin-plated |
| Degree of protection | IP67 |
| Note on degree of protection | In mounted state |

| Feature | Value |
|---|---|
| Ambient temperature | -25 °C ... 85 °C |
| Ambient temperature with flexible cable installation | -5 °C ... 80 °C |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| Note on materials | RoHS-compliant |
| Contamination level | 3 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Material of cable sheath | TPE-U(PUR) |
| Color cable sheath | Gray |
| Housing material | TPE-U(PUR) |
| Material of screw-type lock | Brass, nickel-plated |
| Material of pin contacts | Bronze, gold-plated |
| Insulating sheath material | PP |