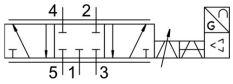
Proportional directional control valve
MPYE-5-M5-420-B

Part number: 162959





Data sheet

Feature	Value
KC characters	KC EMC
Nominal width	2 mm
Type code	MPYE
Actuation type	Electrical
Sealing principle	Hard
Mounting position	Any
Design	Piston gate valve
Reset method	Magnetic spring
Safety instructions	MPYE safety position: if the power supply cable breaks, the blocked mid-position is approached.
Type of control	Direct
Flow direction	Non-reversible
Symbol	00995308
Valve function	5/3, closed
Reverse polarity protection	for setpoint value
Operating pressure	0 bar ... 10 bar
b-value	0.21
C value	0.45 l/sbar
Standard nominal flow rate	100 l/min
Cut-off frequency	115 Hz
Max. hysteresis	0.4 %
DC operating voltage range	17 V ... 30 V
Residual ripple	5 %
Setpoint/actual values	Current type 4–20 mA
Operating medium	Compressed air as per ISO 8573-1:2010 [6:4:4]
Information on operating and pilot media	Operation with oil lubrication not possible
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium	5 °C ... 40 °C
Degree of protection	IP65
Ambient temperature	0 °C ... 50 °C
Certification	RCM compliance mark
Product weight	255 g
Electrical connection	4-pin M12x1 Plug Round design

Feature	Value
Type of mounting	With through-hole
Pneumatic connection 1	M5
Pneumatic connection 2	M5
Pneumatic connection 3	M5
Pneumatic connection 4	M5
Pneumatic connection 5	M5
Note on materials	RoHS-compliant
Cover material	ABS Coated
Seals material	NBR
Housing material	Aluminum Anodized