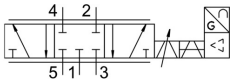
Proportional directional control valve
MPYE-5-1/4-010-B

Part number: 151694





Data sheet

Feature	Value
Nominal width	8 mm
Actuation type	Electrical
Sealing principle	Hard
Mounting position	Any
Structural 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 all electrical connections
Operating pressure	0 MPa ... 1 MPa
Operating pressure	0 bar ... 10 bar
b-value	0.23
C value	6.25 l/sbar
Standard nominal flow rate	1400 l/min
Cut-off frequency	80 Hz
Max. hysteresis	0.4 %
DC operating voltage range	17 V ... 30 V
Residual ripple	5 %
Setpoint/actual values	Voltage type 0 - 10 V
Certification	RCM compliance mark
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive
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
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS conformity	VDMA24364-B2-L
Temperature of medium	5 °C ... 40 °C
Degree of protection	IP65
Ambient temperature	0 °C ... 50 °C
Product weight	510 g

Feature	Value
Electrical connection	4-pin M12x1 Plug Round design
Type of mounting	With through-hole
Pneumatic connection 1	G1/4
Pneumatic connection 2	G¼
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Cover material	ABS Coated
Seals material	NBR
Housing material	Aluminum Anodized