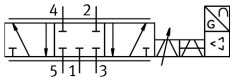
Proportional directional control valve MPYE-5-M5-010-B

Part number: 154200



General operating condition

Data sheet

Feature	Value
Nominal size	2 mm
Type of actuation	Electric
Sealing principle	Hard
Mounting position	optional
Design	Piston gate valve
Type of reset	Magnetic spring
Safety instructions	Safety position MPYE: if the power supply cable is blocked, the valve assumes the closed mid-position.
Type of piloting	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	0.21
C value	0.45 l/sbar
Standard nominal flow rate (standardised to DIN 1343)	100 l/min
Limit frequency	115 Hz
Max. hysteresis	0.4 %
Operational voltage range DC	17 V ... 30 V
Residual ripple	5 %
SETPOINT/ACTUAL values	Voltage type 0 - 10 V
Approval	RCM trademark
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Operating medium	Compressed air to ISO 8573-1:2010 [6:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Media temperature	5 °C ... 40 °C
Degree of protection	IP65
Ambient temperature	0 °C ... 50 °C

Feature	Value
Product weight	255 g
Electrical connection	4-pin M12x1 Plugs Round design
Type of mounting	With through-hole
Pneumatic connection, port 1	M5
Pneumatic connection, port 2	M5
Pneumatic connection, port 3	M5
Pneumatic connection, port 4	M5
Pneumatic connection, port 5	M5
Note on materials	RoHS-compliant
Material cover	ABS Coated
Material seals	NBR
Material housing	Anodised