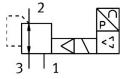
Proportional-pressure regulator MPPE-3-1/4-1-010-B Part number: 161166

Data sheet

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Feature	Value
Nominal size, supply	7 mm
Nominal size, exhaust	7 mm
Type of actuation	Electric
Sealing principle	Soft
Mounting position	optional
Design	Piloted piston regulator
Short circuit current rating	For all electrical connections
Safety instructions	Safety position MPPE-B: if the power supply cable is interrupted, output pressure is maintained unregulated.
Reverse polarity protection	For all electrical connections
Valve function	3-way proportional-pressure regulator, closed
Operating pressure	0.2 MPa 2 bar
Pressure regulation range	0 MPa0.1 MPa 0 bar1 bar
Inlet pressure 1	1.5 bar2 bar 0.15 MPa0.2 MPa
Max. pressure hysteresis	0.003 MPa 0.03 bar
Switching time off	225 ms
Switching time on	140 ms
Operational voltage range DC	18 V30 V
Reference voltage	10 V
Residual ripple	10 %
SETPOINT/ACTUAL values	Voltage type 0 - 10 V
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Approval	RCM trademark
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive



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Feature	Value
CE marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Media temperature	0 °C60 °C
Degree of protection	IP65
Ambient temperature	0 °C50 °C
Product weight	920 g
Electrical connection	8-pin M16x0.75 Plugs To DIN 45326 Round design
Type of mounting	With through-hole
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Note on materials	RoHS-compliant
Material housing	Wrought aluminium alloy
Material membrane	NBR