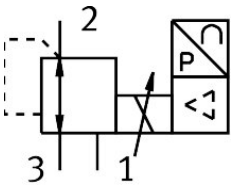
Proportional-pressure regulator
MPPES-3-1/8-PU-PO-010

Part number: 187347

FESTO



General operating condition

Data sheet

Feature	Value
Nominal size, supply	3 mm
Nominal size, exhaust	2 mm
Type of actuation	Electrical
Sealing principle	Soft
Mounting position	Any
Design	Directly actuated piston regulator
Short circuit current rating	For all electrical connections
Safety instructions	Safety position MPPES: if the power supply cable is interrupted, the output pressure drops to 0 bar.
Symbol	00995305
Reverse polarity protection	For all electrical connections
Valve function	3-way proportional-pressure regulator, closed
Operating pressure	≤1.2 MPa
Operating pressure	≤12 bar
Pressure regulation range	0 MPa ... 1 MPa
Pressure regulation range	0 bar ... 10 bar
Inlet pressure 1	11 bar ... 12 bar
Inlet pressure 1	1.1 MPa ... 1.2 MPa
Max. pressure hysteresis	0.001 MPa
Max. pressure hysteresis	0.01 bar
Switching time off	410 ms
Switching time on	220 ms
Operational voltage range DC	18 V ... 30 V
Nominal operating voltage DC	24 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 gas
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Approval	RCM
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 RoHS instructions

Feature	Value
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Media temperature	0 °C ... 60 °C
Degree of protection	IP65
Ambient temperature	0 °C ... 50 °C
Product weight	915 g
Electrical connection	M16x0.75 Plug To DIN 45326 Round design
Type of mounting	With through-hole
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Note on materials	RoHS compliant
Material housing	Wrought aluminium alloy
Material membrane	NBR