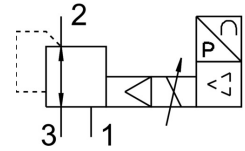


Proportional pressure control valve MPPES-3-1/4-10-010

Part number: 187333

FESTO



Data sheet

Feature	Value
Nominal width pressurization	7 mm
Exhaust nominal width	7 mm
Type code	MPPES
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Any
Structural design	Pilot-controlled piston control valve
Short-circuit protection	For all electrical connections
Safety instructions	MPPES safety position: if the power supply cable breaks, the outlet pressure will drop to 0 bar.
Symbol	00995304
Reverse polarity protection	for all electrical connections
Valve function	3-way proportional pressure control valve closed
Operating pressure	≤1.2 MPa
Operating pressure	≤12 bar
Pressure regulation range MPa	0 MPa ... 1 MPa
Pressure regulation range	0 bar ... 10 bar
Inlet pressure 1	11 bar ... 12 bar
Inlet pressure 1 MPa	1.1 MPa ... 1.2 MPa
Max. pressure hysteresis	0.005 MPa
Max. pressure hysteresis	0.05 bar
Switching time off	360 ms
On switching time	200 ms
DC operating voltage range	18 V ... 30 V
Reference voltage	10 V
Residual ripple	10 %
Setpoint/actual values	Voltage type 0 - 10 V
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Certification	RCM compliance mark
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS conformity	VDMA24364-B2-L
Temperature of medium	0 °C ... 60 °C

Feature	Value
Degree of protection	IP65
Ambient temperature	0 °C ... 50 °C
Product weight	1310 g
Electrical connection	8-pin M16x0.75 Plug as per DIN 45326 Round design
Type of mounting	With through-hole
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1/4
Pneumatic connection 3	G1/4
Note on materials	RoHS-compliant
Housing material	Wrought aluminum alloy
Diaphragm material	NBR