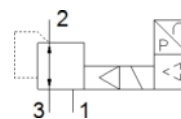
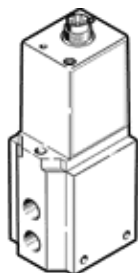


Proportional pressure regulator

MPPE-3-1/8-1-420-B

Part number: 161163

FESTO



Data sheet

Feature	values
Nominal diameter, pressurization	5 mm
Nominal diameter, exhaust	5 mm
Type of actuation	electrical
Sealing principle	soft
Assembly position	Any
Design structure	Piloted piston regulator
Short circuit strength	for all electrical connections
Safety instructions	MPPE-B safety position: If the power supply cable is interrupted, output pressure is maintained unregulated
Polarity protected	for all electrical connections
Valve function	3-way closed proportional-pressure regulator
Pressure regulation range	0 ... 1 bar
Inlet pressure 1	1.5 ... 2 bar
Max. pressure hysteresis	0.03 bar
Switching time off	165 ms
Switching time on	95 ms
Operating voltage range DC	18 ... 30 V
Reference voltage	10 V
Residual ripple	10 %
SETPOINT/ACTUAL values	Current type 4 - 20 mA
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Corrosion resistance classification CRC	2
Medium temperature	0 ... 60 °C
Protection class	IP65
Ambient temperature	0 ... 50 °C
Authorization	RCM Mark
Product weight	710 g
Electrical connection	Plug Round design to DIN 45326 M16x0,75 8-pin
Mounting type	with through hole
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Materials information, housing	Wrought Aluminum alloy
Materials information for membrane	NBR