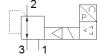
## proportional pressure regulator MPPE-3-1/4-1-420-B Part number: 161169 Classic - do not use for new projects

Modern alternatives can be found by entering the first four characters of the type code in the search field.





**FESTO** 

## **Data sheet**

Feature	Value
Nominal diameter, pressurisation	7 mm
Nominal diameter, exhaust	7 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
Operating pressure	<= 2 bar
Pressure regulation range	0 1 bar
Inlet pressure 1	1.5 2 bar
Max. pressure hysteresis	0.03 bar
Switching time off	225 ms
Switching time on	140 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)
Authorisation	RCM Mark
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium temperature	0 60 °C
Protection class	IP65
Ambient temperature	0 50 °C
Product weight	920 g
Electrical connection	8-pin
	M16x0,75
	Plug
	to DIN 45326
	Round design
Mounting type	with through hole
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Materials note	Conforms to RoHS
Material housing	Wrought Aluminium alloy
Material membrane	NBR