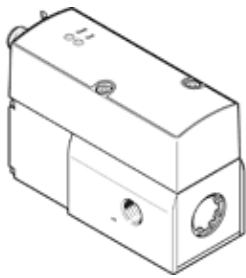


# proportional pressure regulator VPPM-8F-L-1-F-0L2H-LK-S1

Part number: 8031110

FESTO



## Data sheet

Feature	Value
Nominal diameter, pressurisation	8 mm
Nominal diameter, exhaust	7 mm
Type of actuation	electrical
Sealing principle	soft
Assembly position	Any
Design structure	Pilot actuated diaphragm regulator
Short circuit strength	for all electrical connections
Safety instructions	VPPM safety position: If the power supply cable is interrupted, output pressure is maintained unregulated.
Polarity protected	for all electrical connections
Type of reset	mechanical spring
Type of piloting	Piloted
Valve function	3-way proportional-pressure regulator
Type of display	LED
Pressure regulation range	0.02 ... 2 bar
Inlet pressure 1	0 ... 4 bar
Max. pressure hysteresis	0.01 bar
Standard nominal flow rate	450 l/min
Operating voltage range DC	18 ... 30 V
Max. current consumption	300 mA
Duty cycle	100 %
Max. electrical power consumption	7 W
Protocol	I-Port IO-Link
Residual ripple	10 %
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation not possible
Authorisation	RCM Mark c UL us - Listed (OL)
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	10 ... 50 °C
Protection class	IP65
Ambient temperature	0 ... 60 °C
Product weight	560 g
Linearity error, FS	1 %
Temperature coefficient	0.04 %/K
FS repetition accuracy	0.5 %
IO-Link, protocol	Device V 1.1
IO-Link, communication mode	COM1 (4,8 kBaud), COM2 (38,4 kBaud), COM3 (230,4 kBaud)
IO-Link, port type	A
IO-Link, process data width OUT	2 Byte
IO-Link, process data width IN	2 Byte
IO-Link, minimum cycle time	0,5 ms

Feature	Value
Mounting type	with through hole with accessories Optional
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	Sub-base
Pneumatic connection, port 3	Sub-base
Materials note	Conforms to RoHS
Material housing	Wrought Aluminium alloy Anodised