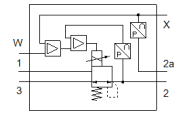
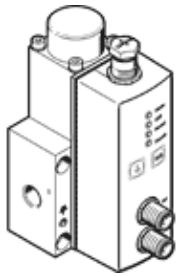


proportional pressure regulator VPPL-3Q-3-Z-0L20H-V1-V-S1-4

Part number: 1635988

FESTO



Data sheet

Feature	Value
Nominal diameter, pressurisation	2.5 mm
Nominal diameter, exhaust	2.5 mm
Type of actuation	electrical
Sealing principle	soft
Assembly position	Any Preferably upright
Design structure	directly-controlled piston regulator
Short circuit strength	No
Safety instructions	Safety setting VPPL
Polarity protected	for all electrical connections
Type of reset	mechanical spring
Type of piloting	direct
Valve function	3-way closed proportional-pressure regulator
Type of display	LED display
Operating pressure	≤ 20 bar
Pressure regulation range	0.2 ... 20 bar
Inlet pressure 1	0 ... 50 bar
Max. pressure hysteresis	0.3 bar
b value	0.25
C value	0.8 l/sbar
Standard nominal flow rate	300 l/min
Switching time off	550 ms
Switching time on	300 ms
Operating voltage range DC	21.6 ... 27.6 V
Duty cycle	100 %
Max. electrical power consumption	26.7 W
Residual ripple	10 %
Signal range, analogue output	0 - 10 V
Signal range, analogue input	0 - 10 V
SETPOINT/ACTUAL values	Voltage type 0 - 10 V
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
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	5 ... 50 °C
Protection class	IP65
Ambient temperature	5 ... 50 °C
Product weight	1,100 g
Linearity error in \pm %FS	0.5 %FS
Temperature coefficient	0.04 %/K
Repetition accuracy in \pm %FS	0.5 %FS
Diagnosis interface electrical connection	Socket, M12, 5-pin, A-coded
Electrical connection IN	Plug, M12, 5-pin, A-coded
Electrical connection OUT	Plug, M12, 5-pin, A-coded

Feature	Value
Mounting type	with through hole
Pneumatic connection, port 1	Flange G1/4
Pneumatic connection, port 2	Flange
Pneumatic connection, port 3	Flange
Materials note	Conforms to RoHS
Material housing	Wrought Aluminium alloy Anodised