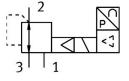
## **Proportional-pressure regulator VPPM-8TA-L-1-F-0L10H-S1C1** Part number: 572409



## **Data sheet**

Feature	Value
Nominal size, supply	8 mm
Nominal size, exhaust	7 mm
Type of actuation	Electric
Sealing principle	Soft
Mounting position	optional
Design	Piloted diaphragm regulator
Short circuit current rating	For all electrical connections
Safety instructions	Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated.
Reverse polarity protection	For all electrical connections
Type of reset	Mechanical spring
Type of piloting	Pilot actuated
Valve function	3-way proportional pressure regulator
Display type	Back-lit LCD
Pressure regulation range	0.01 MPa1 MPa 0.1 bar10 bar
Inlet pressure 1	0 bar11 bar 0 MPa1.1 MPa
Max. pressure hysteresis	0.05 bar
Standard nominal flow rate (standardised to DIN 1343)	1650 l/min
Operational voltage range DC	21.6 V26.4 V
Max. current consumption	300 mA
Duty cycle	100%
Max. electrical power consumption	7 W
Residual ripple	10 %
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation not possible
Approval	RCM trademark c UL us listed (OL)
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive

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Feature	Value
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Certificate issuing authority	UL E322346
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	10 °C50 °C
Degree of protection	IP65
Ambient temperature	0 °C50 °C
Product weight	560 g
Linearity	1 %FS
Hysteresis	0.5 %FS
Reproducibility	0.5 %FS
Total accuracy	1.25%FS
Temperature cooefficient	0.04 %/K
Repetition accuracy FS	0.5 %
Electrical connection	Via sub-base
Type of mounting	With through-hole With accessories Either:
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	Sub-base
Pneumatic connection, port 3	Sub-base
Note on materials	RoHS-compliant
Material housing	Wrought aluminium alloy Anodised