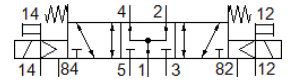


Solenoid valve

VMPA14-M1HF-B-PI

Part number: 578807

FESTO



Data sheet

Feature	Value
Valve function	5/3 pressurized
Type of actuation	electrical
Valve size	14 mm
Standard nominal flow rate	690 l/min
Working pressure	-0.9 ... 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Protection class	IP65 to IEC 60529 in assembled condition
Authorization	c UL us - Recognized (OL)
Sealing principle	soft
Assembly position	Any
Manual override	detenting Pushing
Type of piloting	Piloted
Flow direction	reversible
Freedom from overlap	Yes
Signal status display	Yes
Pilot pressure	3 ... 8 bar
Suitability for vacuum	Yes
Standard nominal flow rate with QS-8	690 l/min
Switching time off	50 ms
Switching time on	16 ms
Switching time reversal	26 ms
Max. positive test pulse with logic 0	400 µs
Max. negative test pulse with logic 1	200 µs
Permissible voltage fluctuation	+/- 25 %
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
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
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	1 - Low corrosion stress
Storage temperature	-20 ... 40 °C
Food-safe	See Supplementary material information
Medium temperature	-5 ... 50 °C
Relative air humidity	Max. 90% at 40°C
Ambient temperature	-5 ... 60 °C
Max. tightening torque, valve mounting	0.65 Nm
Product weight	77 g
Mounting type	with through hole
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminum die cast