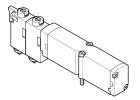
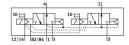
Solenoid valve VMPA14-M1HF-N-PI

Part number: 578813







General operating condition

Data sheet

Valve function 2x3/2-way, open, monostable Type of actuation Electric Valve size Standard nominal flow rate (standardised to DIN 1343) Operating voltage Operating pressure Operating pressure Operating pressure Os MPa 1 MPa Operating pressure Design Piston gate valve Type of reset Approval C UL us - Recognized (OL) Degree of protection IP65 In assembled state To IEC 60529 Sealing principle Soft Mounting position Manual override Detenting Type of piloting Flow direction Non-reversible Symbol Iap Overlap Signal status display Yes Pilot pressure O 3 MPa 0.8 MPa Suitability for vacuum Note on standard nominal flow rate MPA-C: 730 I/min MPA-S: 550 I/min	
Valve size Standard nominal flow rate (standardised to DIN 1343) Stol /min 650 l/min 650 l/min Operating voltage Q4V DC Operating pressure 0.3 MPa 1 MPa Operating pressure 3 bar 10 bar Design Piston gate valve Type of reset Approval Cult us - Recognized (OL) Degree of protection IP65 In assembled state To IEC 60529 Sealing principle Soft Mounting position Manual override Detenting Non-detenting Type of piloting Flow direction Non-reversible Symbol Iap Overlap Signal status display yes Pilot pressure 0.3 MPa 0.8 MPa Suitability for vacuum Note on standard nominal flow rate MPA-C: 730 l/min	
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MPA-L: 650 l/min	
Standard nominal flow rate with QS-8 550 l/min 730 l/min	
Switching time off 28 ms	
Switching time on 9 ms	
Max. positive test pulse with 0 signal 400 μs	
Max. negative test pulse with 1 signal 200 μs	
Permissible voltage fluctuations +/- 25%	
Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]	
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation always be required)	ı will

Feature	Value
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C 40 °C
Suitable for use with food	See supplementary material information
Media temperature	-5 ℃ 50 ℃
Relative air humidity	Max. 90% at 40℃
Ambient temperature	-5 ℃ 60 ℃
Max. tightening torque for valve mounting	0.65 Nm
Product weight	77 g
Type of mounting	With through-hole
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium