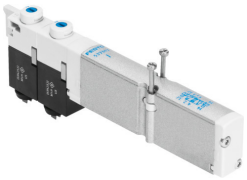
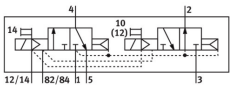
Solenoid valve
VMPA1-M1H-H-PI

Part number: 533349





General operating condition

Data sheet

Feature	Value
Valve function	2x3/2-way, open/closed, monostable
Type of actuation	Electric
Valve size	10 mm
Standard nominal flow rate (standardised to DIN 1343)	300 l/min
Operating voltage	24V DC
Operating pressure	0.3 MPa ... 1 MPa
Operating pressure	3 bar ... 10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Approval	c UL us - Recognized (OL)
Degree of protection	IP65 To IEC 60529
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting Non-detenting
Type of piloting	Pilot actuated
Flow direction	Non-reversible
Symbol	00991813
lap	Overlap
Signal status display	yes
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	no
Standard nominal flow rate with QS-6	300 l/min
Switching time off	20 ms
Switching time on	10 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 will always be required)
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

Feature	Value
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C ... 40 °C
Media temperature	-5 °C ... 50 °C
Relative air humidity	Max. 90% at 40°C
Ambient temperature	-5 °C ... 50 °C
Max. tightening torque for valve mounting	0.25 Nm
Product weight	56 g
Type of mounting	With through-hole
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium