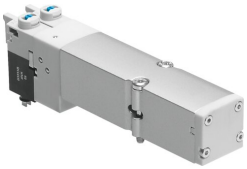
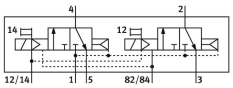
Solenoid valve
VMPA2-M1H-K-PI

Part number: 537957





Data sheet

Feature	Value
Valve function	2x3/2 closed monostable
Type of actuation	Electrical
Valve size	20 mm
Standard nominal flow rate (standardised to DIN 1343)	500 l/min...550 l/min
Operating voltage	24 V DC
Operating pressure	0.3 MPa...1 MPa 3 bar...10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Approval	c UL us - Recognised (Oil)
Degree of protection	IP65 To IEC 60529
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of piloting	Piloted
Flow direction	Non-reversible
lap	Overlap
Signal status display	Yes
Pilot pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
Suitability for vacuum	No
Note on standard nominal flow rate	MPA-L: 550 l/min MPA-S: 500 l/min
Standard nominal flow rate with QS-8	500 l/min
Standard nominal flow rate with QS-10	550 l/min
Switching time off	28 ms
Switching time on	8 ms
Max. positive test pulse with 0 signal	400 µs
Max. negative test pulse with 1 signal	900 µs
Permissible voltage fluctuations	+/-25%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
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
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	0.65 Nm
Product weight	100 g
Type of mounting	With through-hole
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium