Solenoid valve VSVA-B-D52-ZH-A2-1R5L

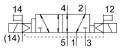
Part number: 546780



Data sheet

Feature	Value	
Valve function	5/2-way, bistable, dominant	
Type of actuation	Electric	
Construction width	18 mm	
Standard nominal flow rate (standardised to DIN 1343)	550 l/min	
pneumatic working port	Sub-base size 18 mm to ISO 15407-1 Sub-base size 02 to VDMA 24563	
Operating voltage	24V DC	
Operating pressure	-0.09 MPa1 MPa -0.9 bar10 bar	
Design	Piston gate valve	
Approval	C-Tick c UL us - Recognized (OL)	
CE mark (see declaration of conformity)	To EU EMC Directive	
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions	
Degree of protection	IP65	
Nominal size	5 mm	
Exhaust-air function	With flow control option	
Sealing principle	Soft	
Mounting position	optional	
Conforms to standard	ISO 15407-1 VDMA 24563	
Manual override	Non-detenting	
Type of piloting	Pilot actuated	
Pilot air supply	External	
Flow direction	Reversible	
lap	Overlap	
Reverse polarity protection	For all electrical connections	
Additional functions	Holding current reduction Safety shut-off	
Signal status display	LED	
Pilot pressure	0.3 MPa0.8 MPa 3 bar8 bar	

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Feature	Value
Flow rate of valve	750 l/min
Flow rate of valve on individual sub-base	550 l/min
Flow rate of pneumatically interlinked valve	550 l/min
Switching time reversal	10 ms
Operational voltage range DC	21.6 V26.4 V
Duty cycle	100%
Max. positive test pulse with 0 signal	500 µs
Max. negative test pulse with 1 signal	500 µs
Characteristic coil data	24 V DC: low-current phase 1.0 W, high-current phase 2.4 W
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	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 °C50 °C
Relative air humidity	0 - 90%
Protection against direct and indirect contact	PELV
Ambient temperature	-5 °C50 °C
Max. tightening torque for valve mounting	0.9 Nm1.1 Nm
Product weight	140 g
Electrical connection	3-pin M12x1 Central plug Round design
Type of mounting	On sub-base
Note on materials	RoHS-compliant