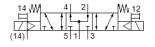
solenoid valve VSVA-B-P53U-ZTR-D1-1T1L Part number: 8034778

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Data sheet

Feature	Value
Valve function	5/3 pressurised
Type of actuation	electrical
Width	42 mm
Standard nominal flow rate	1,200 l/min
Operating pressure MPa	-0.09 1 MPa
Operating pressure	-0.9 10 bar
Design structure	Piston slide
Authorisation	c UL us - Recognized (OL)
Protection class	IP65
	NEMA 4
Exhaust-air function	throttleable
	Via throttle plate
	Via individual sub-base
Sealing principle	soft
Assembly position	Any
Manual override	with accessories, detenting
	Pushing
Type of piloting	Piloted
Pilot air supply	external
Flow direction	Any
Signal status display	LED
Pilot pressure MPa	0.3 1 MPa
Pilot pressure	3 10 bar
Flow rate of valve	1,700 l/min
Flow rate of valve on individual sub-base	1,400 l/min
Optimised flow rate of valve pneumatically concatenated flow	1,690 l/min
Flow rate of pneumatically linked valve	1,200 l/min
Switching time off	65 ms
Switching time on	22 ms
Max. positive test pulse with logic 0	1,400 µs
Max. negative test pulse with logic 1	900 µs
Nominal breakaway current per solenoid coil	72 mA up to 30 ms
Characteristic coil data	24 V DC: 1.6 W
Surge strength	2.5 kV
Degree of contamination	3
Permissible voltage fluctuation	+/- 10 %
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)
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	0 - No corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Relative air humidity	0 - 90 %

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Feature	Value	
Ambient temperature	-5 50 °C	
Product weight	456 g	
Electrical connection	Plug-in	
	as per ISO 5599-2	
Mounting type	On sub-base	
Auxiliary pilot air port 12/14	Sub-base size 1 to ISO 5599-2	
Pilot exhaust port 82/84	Optional	
	Not ducted as per standard	
	Ducted	
Pneumatic connection, port 1	Sub-base size 1 to ISO 5599-2	
Pneumatic connection, port 2	Sub-base size 1 to ISO 5599-2	
Pneumatic connection, port 3	Sub-base size 1 to ISO 5599-2	
Pneumatic connection, port 4	Sub-base size 1 to ISO 5599-2	
Pneumatic connection, port 5	Sub-base size 1 to ISO 5599-2	
Materials note	Conforms to RoHS	
Material seals	FPM	
	HNBR	
	NBR	
Material housing	Aluminium die cast	
	РА	
Material screws	Galvanised steel	