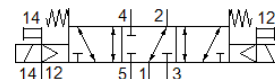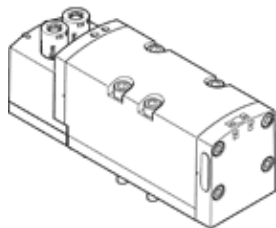# Solenoid valve
VSVA-B-P53F-ZTR-D2-1T1L
Part number: 8034968

Data sheet

Feature	Value
Valve function	5/3-way, pressurised 1 to 2, 4 to 5 closed
Type of actuation	electrical
Width	52 mm
Standard nominal flow rate	2,300 l/min
Operating pressure MPa	-0.09 ... 1 MPa
Working pressure	-0.9 ... 10 bar
Design structure	Piston slide
Authorization	c UL us - Recognized (OL)
KC mark	KC-EMV
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Protection class	IP65
	NEMA 4
Grid dimension	59 mm
Exhaust-air function	throttleable
	Via throttle plate
	Via individual sub-base
Sealing principle	soft
Assembly position	Any
Conforms to standard	ISO 5599-2
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	3,000 l/min
Flow rate of valve on individual subbase	2,600 l/min
Flow rate of pneumatically linked valve	2,300 l/min
Switching time off	60 ms
Switching time on	23 ms
Duty cycle	100 %
Nominal breakaway current per solenoid coil	165 mA up to 30 ms
Nominal current with current reduction	35 mA after 30 ms
Characteristic coil data	24 V DC: 4.6 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)
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Medium temperature	-5 ... 50 °C
Relative air humidity	0 - 90 %

Feature	Value
Ambient temperature	-5 ... 50 °C
Product weight	780 g
Electrical connection	Plug-in as per ISO 5599-2
Mounting type	On subbase
Auxiliary pilot air port 12/14	Connection plate size 2 as per ISO 5599-2
Pilot exhaust port 82/84	Optional Not ducted as per standard Ducted
Pneumatic connection, port 1	Connection plate size 2 as per ISO 5599-2
Pneumatic connection, port 2	Connection plate size 2 as per ISO 5599-2
Pneumatic connection, port 3	Connection plate size 2 as per ISO 5599-2
Pneumatic connection, port 4	Connection plate size 2 as per ISO 5599-2
Pneumatic connection, port 5	Connection plate size 2 as per ISO 5599-2
Materials note	Conforms to RoHS
Material seals	FPM HNBR NBR
Material housing	Aluminum die cast PA
Material screws	Galvanized steel