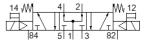
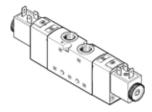
Solenoid valve VUVS-L25-P53U-MD-G14-F8-1B2 Part number: 575534

FESTO





Data sheet

Feature	Value
Valve function	5/3 pressurized
Type of actuation	electrical
Valve size	26.5 mm
Standard nominal flow rate	1,000 l/min
Operating pressure MPa	0.25 1 MPa
Working pressure	2.5 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Authorization	c UL us - Recognized (OL)
Maritime classification	see certificate
Certificate issuing department	DNVGL-TAA000011J
Protection class	IP65
	with plug socket
	to IEC 60529
Nominal size	6.3 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting
	Pushing
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	non reversible
Lap	Positive overlap
b value	0.4
C value	4.3 l/sbar
Switching time off	48 ms
Switching time on	14 ms
Switching time reversal	25 ms
Duty cycle	100 %
Max. positive test pulse with logic 0	2,000 μs
Max. negative test pulse with logic 1	3,600 µs
Characteristic coil data	24 V DC: 3.3 W
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	2 - Moderate corrosion stress
Medium temperature	-10 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-10 60 °C
Product weight	430 g

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Feature	Value	
Electrical connection	Plug pattern type B to EN 175301-803	
	to industry standard (11 mm)	
Mounting type	on manifold rail	
	with through hole	
	Optional	
Scavenging orifice connection	Non-ducted	
Pilot exhaust port 82	M5	
Pilot exhaust port 84	M5	
Pneumatic connection, port 1	G1/4	
Pneumatic connection, port 2	G1/4	
Pneumatic connection, port 3	G1/4	
Pneumatic connection, port 4	G1/4	
Pneumatic connection, port 5	G1/4	
Materials note	Conforms to RoHS	
Material seals	HNBR	
	NBR	
Material housing	Aluminum die cast	
	Painted	
Material Piston slide	Wrought Aluminum alloy	
Material screws	Galvanized steel	