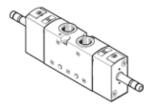
Solenoid valve VUVS-L20-P53E-MD-G18-F7 Part number: 575252





Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	electrical
Valve size	21 mm
Standard nominal flow rate	600 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)
Nominal size	4.5 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	0.35
C value	2.5 l/sbar
Switching time off	44 ms
Switching time on	13 ms
Switching time reversal	24 ms
Max. positive test pulse with logic 0	1,900 μs
Max. negative test pulse with logic 1	2,700 μs
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
PWIS conformity	VDMA24364-B1/B2-L
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	229 g
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	G1/8



Feature	Value
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminum die cast
	Painted
Material Piston slide	High alloy steel, non-corrosive
Material screws	Galvanized steel