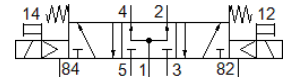
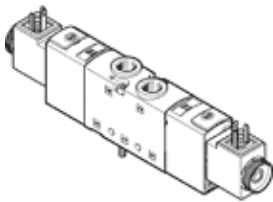


# Solenoid valve

## VUVS-L20-P53U-MD-G18-F7-1C1

Part number: 575267

FESTO



## Data sheet

Feature	Value
Valve function	5/3 pressurized
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)
Protection class	IP65 with plug socket to IEC 60529
Nominal size	4.8 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	42 ms
Switching time on	13 ms
Switching time reversal	21 ms
Duty cycle	100 %
Max. positive test pulse with logic 0	1,900 µs
Max. negative test pulse with logic 1	2,700 µs
Characteristic coil data	24 V DC: 2.6 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
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	263 g
Electrical connection	Plug pattern type C to EN 175301-803

Feature	Value
	to EN 175301-803
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
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