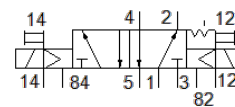


# solenoid valve

## VUVS-LT20-B52-ZD-G18-F7-1C1

Part number: 577518

FESTO



## Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	electrical
Valve size	21 mm
Standard nominal flow rate	500 l/min
Operating pressure MPa	0.15 ... 1 MPa
Operating pressure	1.5 ... 10 bar
Design structure	Poppet seat
Authorisation	c UL us - Recognized (OL)
Protection class	IP65 with plug socket to IEC 60529
Nominal size	5 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting Pushing
Type of piloting	Piloted
Pilot air supply	external
Flow direction	non reversible
Overlap	Underlap
Pilot pressure MPa	1.5 ... 10 MPa
Pilot pressure	15 ... 100 bar
b value	0.27
C value	2.1 l/sbar
Switching time reversal	8 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	248 g
Electrical connection	Plug pattern type C to EN 175301-803 to EN 175301-803

Feature	Value
Mounting type	on manifold rail with through hole Optional
Scavenging orifice connection	Non-ducted
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pilot air port 12	M5
Pilot air port 14	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 TPE-U(PU)
Material housing	Aluminium die cast Painted
Material screws	Galvanised steel