

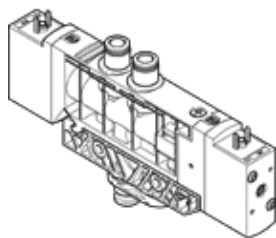
solenoid valve

VUVB-L-B42-D-Q8-2AC1

Part number: 537545

FESTO

With solenoid coil and manual override, without plug socket.



Data sheet

Feature	Value
Valve function	4/2 bistable
Type of actuation	electrical
Valve size	20 mm
Standard nominal flow rate	800 l/min
Operating pressure	2 ... 8 bar
Design structure	Piston slide
Protection class	IP65
Nominal size	7 mm
Exhaust-air function	not throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting Pushing
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	non reversible
Pilot pressure	2 ... 8 bar
Switching time reversal	20 ms
Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA
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)
CE mark (see declaration of conformity)	to EU directive low-voltage devices
Corrosion resistance classification CRC	1
Storage temperature	-20 ... 40 °C
Medium temperature	-5 ... 50 °C
Ambient temperature	-5 ... 50 °C
Max. tightening torque, valve mounting	2 Nm
Max. tightening torque, wall mounting	3 Nm
Product weight	240 g
Electrical connection	Plug to EN 175301-803 Design C
Mounting type	with through hole
Auxiliary pilot air port 12/14	Sub-base
Pilot exhaust port 84	Non-ducted
Pneumatic connection, port 1	QS-8
Pneumatic connection, port 2	QS-8
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	QS-8
Materials note	Conforms to RoHS

Feature	Value
Materials information for sub-base	PA-reinforced
Materials information for seals	FPM HNBR NBR
Materials information, housing	PA-reinforced
Material information, piston spool	Wrought Aluminium alloy