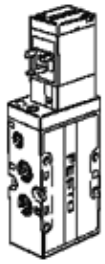
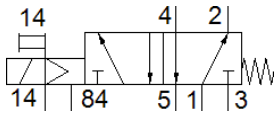
Solenoid valve
MVH-5-1/4-S-B

Part number: 15903
Classic - do not use for new projects

With solenoid coil and manual override, without socket.
Modern alternatives can be found by entering the first four characters of the type code in the search field.





Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Width	32 mm
Standard nominal flow rate	1,300 l/min
Operating pressure MPa	0 ... 1 MPa
Working pressure	0 ... 10 bar
Design structure	Poppet seat
Type of reset	mechanical spring
Nominal size	7 mm
Grid dimension	33 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	Pushing
Type of piloting	Piloted
Pilot air supply	external
Flow direction	non reversible
Lap	Underlap
Pilot pressure MPa	0.15 ... 0.8 MPa
Pilot pressure	1.5 ... 8 bar
b value	0.29
C value	5.5 l/sbar
Max. switching frequency	3 Hz
Switching time off	36 ms
Switching time on	15 ms
Max. positive test pulse with logic 0	2,200 µs
Max. negative test pulse with logic 1	3,700 µs
Characteristic coil data	24 V DC: 2.5 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)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-40 ... 60 °C
Medium temperature	-5 ... 50 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 50 °C
Product weight	360 g
Mounting type	On PR manifold with through hole Optional

Feature	Value
Auxiliary pilot air port 14	G1/8
Pilot exhaust port 84	M5
Pilot air port 14	G1/8
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	NBR TPE-U(PU)
Material housing	Aluminum die cast