

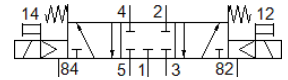
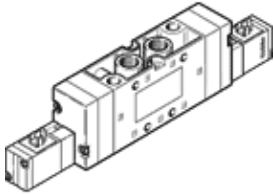
# solenoid valve

## MVH-5/3G-3/8-B

Part number: 14944  
Classic - do not use for new projects

**FESTO**

With solenoid coil and manual override, without plug 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	5/3 closed
Type of actuation	electrical
Width	40 mm
Standard nominal flow rate	2,200 l/min
Operating pressure MPa	0.3 ... 1 MPa
Operating pressure	3 ... 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Nominal size	12 mm
Grid dimension	41 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	Pushing
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	non reversible
Overlap	Positive overlap
Max. switching frequency	3 Hz
Switching time off	89 ms
Switching time on	27 ms
Switching time reversal	57 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
Ambient temperature	-5 ... 50 °C
Product weight	780 g
Mounting type	On PR manifold with through hole Optional
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 2	G3/8

Feature	Value
Pneumatic connection, port 3	G3/8
Pneumatic connection, port 4	G3/8
Pneumatic connection, port 5	G3/8
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium die cast