solenoid valve
MFH-5/3B-3/8-S-B

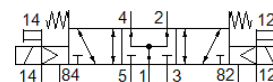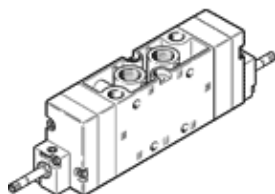Part number: 31319
Classic - do not use for new projects

With manual override, without solenoid coil or socket. Solenoid coil
and socket should be ordered separately.

Modern alternatives can be found by entering the first four characters
of the type code in the search field.

FESTO

Data sheet

Feature	Value
Valve function	5/3 pressurised
Type of actuation	electrical
Width	40 mm
Standard nominal flow rate	2,600 l/min
Operating pressure MPa	-0.09 ... 1 MPa
Operating pressure	-0.9 ... 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	external
Flow direction	reversible
Overlap	Positive overlap
Pilot pressure MPa	0.3 ... 1 MPa
Pilot pressure	3 ... 10 bar
Max. switching frequency	3 Hz
Switching time off	118 ms
Switching time on	25 ms
Switching time reversal	78 ms
Max. positive test pulse with logic 0	2,200 µs
Max. negative test pulse with logic 1	3,700 µs
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	-10 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 40 °C
Product weight	780 g
Electrical connection	Via F coil, must be ordered separately
Mounting type	On PR manifold with through hole Optional
Pilot exhaust port 82	M5

Feature	Value
Pilot exhaust port 84	M5
Pilot air port 12	G1/8
Pilot air port 14	G1/8
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 2	G3/8
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