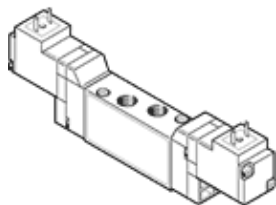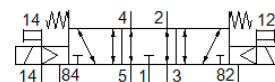# solenoid valve
MEH-5/3E-1/8-P-S-B

Part number: 173150

FESTO

Midi Pneumatic, with solenoid coil and manual override, without socket.

Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	electrical
Width	17.8 mm
Standard nominal flow rate	500 l/min
Operating pressure	-0.9 ... 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Authorisation	c UL us - Recognized (OL)
Protection class	IP65
Nominal size	5 mm
Grid dimension	18 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	with accessories, detenting
Type of piloting	Piloted
Pilot air supply	external
Flow direction	reversible
Overlap	Positive overlap
Pilot pressure	3 ... 8 bar
b value	0.48
C value	1 l/sbar
Switching time off	25 ms
Switching time on	12 ms
Duty cycle	100 %
Characteristic coil data	24 V DC: 1.5 W
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 1 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
Storage temperature	-20 ... 40 °C
Medium temperature	-5 ... 50 °C
Sound pressure level	75 dB(A)
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 50 °C
Product weight	153 g
Electrical connection	Connection pattern type C to industry standard, 9.4 mm Plug Cubic design
Mounting type	on manifold rail

Feature	Value
Pilot exhaust port 82/84	Sub-base
Pilot air port 12	M3
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	Sub-base
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	Sub-base
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast