

solenoid valve

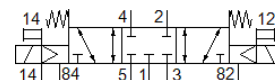
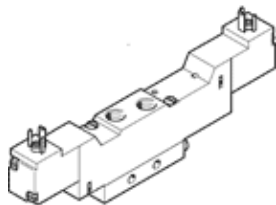
MEBH-5/3G-1/8-S-B

Part number: 173019

FESTO

This type is suitable for vacuum.

With solenoid coil and manual override, without plug socket.



Data sheet

Feature	values
Valve function	5/3 closed
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
Protection class	IP65
Authorisation	c UL us - Recognized (OL)
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
Freedom from overlap	Yes
Note on forced dynamisation	Switching frequency at least once a week
Pilot pressure	3 ... 8 bar
b value	0.3
C value	2.2 l/sbar
Switching time off	25 ms
Switching time on	12 ms
Duty cycle	100%
Characteristic coil data	24 V DC: 2.5 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)
CE mark (see declaration of conformity)	to EU directive low-voltage devices
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	Plug

Feature	values
	Cubic design to EN 175301-803 Design C
Mounting type	with through hole
Pilot exhaust port 82/84	M5
Pilot air port 12	M3
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Materials information for seals	HNBR NBR
Materials information, housing	Aluminium die cast