

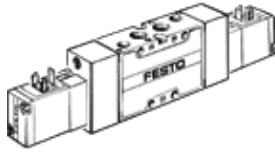
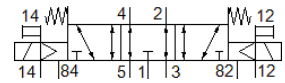
solenoid valve

MVH-5/3E-1/4-S-B

Part number: 31005

FESTO

With solenoid coil and manual override, without plug socket.



Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	electrical
Width	32 mm
Standard nominal flow rate	1,600 l/min
Operating pressure	-0.9 ... 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Nominal size	10 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	reversible
Overlap	Positive overlap
Pilot pressure	3 ... 10 bar
b value	0.38
C value	6.35 l/sbar
Max. switching frequency	3 Hz
Switching time off	38 ms
Switching time on	36 ms
Switching time reversal	46 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
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	660 g
Mounting type	On PR manifold with through hole Optional
Auxiliary pilot air port 12	G1/8
Auxiliary pilot air port 14	G1/8
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5

Feature	Value
Pilot air port 12	G1/8
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
Material housing	Aluminium die cast