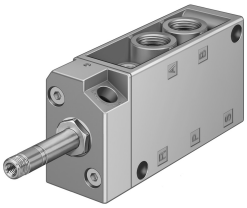
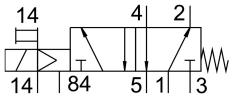
Solenoid valve MFH-5-1/4-S-NPT

Part number: 12618

FESTO





Data sheet

Feature	Value
Valve function	5/2-way, monostable
Type of actuation	Electric
Construction width	30.5 mm
Standard nominal flow rate	1000 l/min
pneumatic working port	1/4 NPT
Operating voltage	Via solenoid coil, must be ordered separately
Operating pressure	0 MPa...0.8 MPa 0 bar...8 bar
Design	Poppet seat
Type of reset	Mechanical spring
Approval	c UL us - Recognized (OL)
Degree of protection	IP65
Nominal size	7 mm
Grid dimension	32 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting
Type of piloting	Pilot actuated
Pilot air supply	External
Flow direction	Non-reversible
lap	Underlap
Pilot pressure	0.15 MPa...0.8 MPa 1.5 bar...8 bar
b value	0.19
C value	4.49 l/sbar
Switching time off	29 ms
Switching time on	9 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse with 1 signal	3700 µs
Characteristic coil data	See solenoid coil, to be ordered separately
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	-20 °C...60 °C
Media temperature	-10 °C...60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...40 °C
Product weight	290 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	Either: On manifold rail With through-hole
Pilot exhaust port 84	M5
Pilot air port 14	10-32 UNF-2B
Pneumatic connection, port 1	1/4 NPT
Pneumatic connection, port 2	1/4 NPT
Pneumatic connection, port 3	1/4 NPT
Pneumatic connection, port 4	1/4 NPT
Pneumatic connection, port 5	1/4 NPT
Note on materials	RoHS-compliant
Material seals	NBR TPE-U(PU)
Material housing	Die-cast aluminium