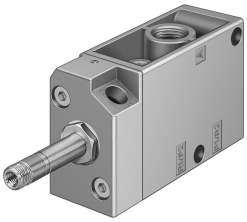
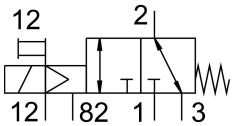
Air solenoid valve MFH-3-1/4-S-NPT

Part number: 10873

FESTO





Data sheet

Feature	Value
Valve function	3/2, closed, monostable
Actuation type	Electrical
Width	30.5 mm
Standard nominal flow rate	800 l/min
Pneumatic working port	1/4 NPT
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	-0.095 MPa...1 MPa -0.95 bar...10 bar
Structural design	Plate seat
Reset method	Mechanical spring
Certification	c UL us - Recognized (OL)
Degree of protection	IP65
Nominal width	7 mm
Width dimension	32 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Reversible
Lap	Underlap
Pilot pressure MPa	0.1 MPa...0.8 MPa
Pilot pressure	1 bar...8 bar
Switching time off	29 ms
On switching time	10 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse on 1 signal	3700 µs
Coil characteristics	See solenoid coil, to be ordered separately
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress

Feature	Value
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	-20 °C...60 °C
Temperature of medium	-10 °C...60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...40 °C
Product weight	320 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	Optionally: On terminal strip With through-hole
Pilot exhaust air port 82	M5
Pilot air port 12	10-32 UNF-2B
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	1/4 NPT
Pneumatic connection 3	1/4 NPT
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum