

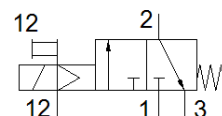
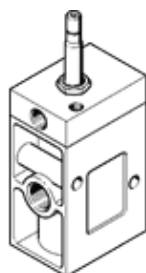
Solenoid valve

MCH-3-1/2-S

Part number: 7983

FESTO

This type is suitable for vacuum.



Data sheet

Feature	Value
Valve function	3/2 closed, monostable
Type of actuation	electrical
Width	52 mm
Standard nominal flow rate	3,700 l/min
Operating pressure MPa	-0.095 ... 1 MPa
Working pressure	-0.95 ... 10 bar
Design structure	Poppet seat
Type of reset	mechanical spring
Authorization	c UL us - Recognized (OL)
Protection class	IP65
Nominal size	14 mm
Grid dimension	69 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting
Type of piloting	Piloted
Pilot air supply	external
Flow direction	non reversible
Lap	Underlap
Pilot pressure MPa	0.1 ... 1 MPa
Pilot pressure	1 ... 10 bar
b value	0.3
Switching time off	54 ms
Switching time on	22 ms
Max. positive test pulse with logic 0	2,200 µs
Max. negative test pulse with logic 1	3,700 µs
Characteristic coil data	See solenoid coil, to be ordered separately
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
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-20 ... 60 °C
Medium temperature	-10 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 40 °C
Product weight	1,115 g
Mounting type	on manifold rail with through hole Optional
Auxiliary pilot air port 12	G1/8
Pilot air port 12	G1/8
Pneumatic connection, port 1	G1/2

Feature	Value
Pneumatic connection, port 2	G1/2
Pneumatic connection, port 3	G1/2
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminum die cast