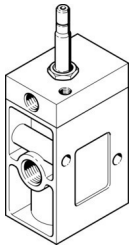
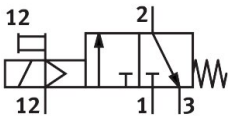
Air solenoid valve
MCH-3-1/2-S

Part number: 7983





Data sheet

Feature	Value
Valve function	3/2-way, closed, monostable
Actuation type	Electrical
Width	52 mm
Normal nominal flow rate (normalized to DIN 1343)	3700 l/min
Pneumatic working port	G1/2
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	14 mm
Width dimension	69 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of control	Piloted
Pilot air supply port	External
Flow direction	Non-reversible
Lap	Negative overlap
Pilot pressure MPa	0.1 MPa...1 MPa
Pilot pressure	1 bar...10 bar
b-value	0.3
Switching time off	54 ms
On switching time	22 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)

Feature	Value
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/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	1115 g
Type of mounting	Alternatively: On terminal strip With through-hole
Auxiliary pilot air port 12	G1/8
Pilot air port 12	G1/8
Pneumatic connection 1	G1/2
Pneumatic connection 2	G1/2
Pneumatic connection 3	G1/2
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Die-cast aluminum