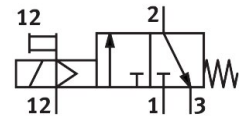
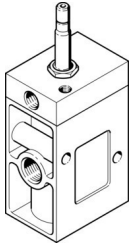


# Solenoid valve MCH-3-1/2-S

Part number: 7983

FESTO



General operating condition

## Data sheet

Feature	Value
Valve function	3/2-way, single solenoid, closed
Type of actuation	Electrical
Construction width	52 mm
Standard nominal flow rate (standardised to DIN 1343)	3700 l/min
pneumatic working port	G1/2
Operating voltage	Via solenoid coil, must be ordered separately
Operating pressure	-0.095 MPa ... 1 MPa
Operating pressure	-0.95 bar ... 10 bar
Design	Poppet seat
Type of reset	Mechanical spring
Approval	c UL us - Recognised (Oil)
Degree of protection	IP65
Nominal size	14 mm
Grid dimension	69 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of piloting	Piloted
Pilot air supply	External
Flow direction	Non-reversible
Symbol	00991007
lap	Underlap
Pilot pressure	0.1 MPa ... 1 MPa
Pilot pressure	1 bar ... 10 bar
b value	0.3
Switching time off	54 ms
Switching time on	22 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]
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-B1/B2-L

<b>Feature</b>	<b>Value</b>
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	1115 g
Type of mounting	On manifold rail With through-hole
Auxiliary pilot air port 12	G1/8
Pilot air port 12	G1/8
Pneumatic connection, port 1	G1/2
Pneumatic connection, port 2	G1/2
Pneumatic connection, port 3	G1/2
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium