

# Solenoid valve MFH-3-1/4-S

Part number: 7959

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Valve function	3/2-way, single solenoid, closed
Type of actuation	Electrical
Construction width	30.5 mm
Standard nominal flow rate (standardised to DIN 1343)	800 l/min
pneumatic working port	G1/4
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	7 mm
Grid dimension	32 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	Reversible
Symbol	00992879
lap	Underlap
Pilot pressure	0.1 MPa ... 0.8 MPa
Pilot pressure	1 bar ... 8 bar
Switching time off	29 ms
Switching time on	10 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
Storage temperature	-20 °C ... 60 °C

<b>Feature</b>	<b>Value</b>
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	320 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	On manifold rail With through-hole
Pilot exhaust port 82	M5
Pilot air port 12	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium