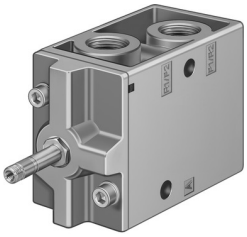
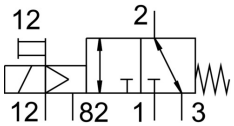
Air solenoid valve
MFH-3-1/2-S

Part number: 7960





Data sheet

Feature	Value
Valve function	3/2, closed, monostable
Actuation type	Electrical
Width	52 mm
Standard nominal flow rate	3700 l/min
Pneumatic working port	G1/2
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	-0.095 MPa ... 1 MPa
Operating pressure	-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
Type code	MFH
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
Symbol	00992879
Lap	Underlap
Pilot pressure MPa	0.1 MPa ... 0.8 MPa
Pilot pressure	1 bar ... 8 bar
b-value	0.3
Switching time off	90 ms
On switching time	18 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
Storage temperature	-20 °C ... 60 °C

Feature	Value
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	1100 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	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