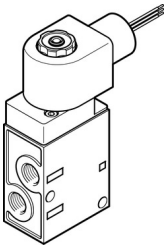
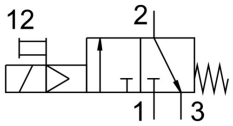
Air solenoid valve
MFH-3-1/8-120-NPT-EX

Part number: 541652





Data sheet

Feature	Value
Valve function	3/2, closed, monostable
Actuation type	Electrical
Width	70.5 mm
Standard nominal flow rate	500 l/min
Pneumatic working port	1/8 NPT
Operating voltage	120V AC
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 bar ... 8 bar
Reset method	Mechanical spring
Explosion protection certification outside the EU	Class I, Div. 1 (US) Class I, Div. 2 (US) Class II, Div. 1 (US) Class II, Div. 2 (US) Class III, Div. 1 (US) Class III, Div. 2 (US) EPL Gb (US) EPL Gc (US)
Certificate issuing authority	FM 3026030
Degree of protection	IP65
Nominal width	5 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
Flow direction	Non-reversible
Symbol	00991008
Lap	Underlap
Switching time off	29 ms
On switching time	11 ms
Coil characteristics	120 V AC: 60 Hz, initial power 11.5 VA, holding power 6.5 VA
Explosion prevention and protection	Zone 1 (US) Zone 2 (US) Class I, Div. 1 (US) Class I, Div. 2 (US) Class II, Div. 1 (US) Class II, Div. 2 (US) Class III, Div. 1 (US) Class III, Div. 2 (US)

Feature	Value
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
Temperature of medium	-5 °C ... 40 °C
Ambient temperature	-5 °C ... 40 °C
Product weight	355 g
Type of mounting	With through-hole
Venting hole connection	Internal
Pilot exhaust air port 82	M5
Pneumatic connection 1	1/8 NPT
Pneumatic connection 2	1/8 NPT
Pneumatic connection 3	1/8 NPT
Seals material	NBR PU
Housing material	Die-cast aluminum Anodized