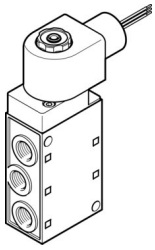
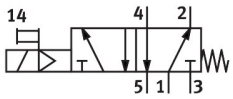
Air solenoid valve
MFH-5-1/4-24-NPT-EX

Part number: 541662





Data sheet

Feature	Value
Valve function	5/2-way, closed, monostable
Actuation type	Electrical
Width	73 mm
Normal nominal flow rate (normalized to DIN 1343)	1000 l/min
Pneumatic working port	1/4 NPT
Operating voltage	24V DC
Operating pressure	0.22 MPa...0.8 MPa 2.2 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	7 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of control	Piloted
Flow direction	Non-reversible
Lap	Negative overlap
Switching time off	29 ms
On switching time	10 ms
Coil characteristics	24 V DC: 4.6 W
Explosion prevention and protection	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)

Feature	Value
	Class III, Div. 2 (US) Zone 1 (US) Zone 2 (US)
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	450 g
Type of mounting	With through-hole
Venting hole connection	Internal
Pilot exhaust air port 84	M5
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	1/4 NPT
Pneumatic connection 3	1/4 NPT
Pneumatic connection 4	1/4 NPT
Pneumatic connection 5	1/4 NPT
Seals material	NBR PU
Housing material	Die-cast aluminum Anodized