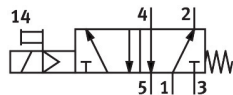


Solenoid valve

MFH-5-1/8-120-NPT-EX

Part number: 541656

FESTO



Data sheet

Feature	Value
Valve function	5/2-way, closed, monostable
Type of actuation	Electric
Construction width	70.5 mm
Standard nominal flow rate (standardised to DIN 1343)	500 l/min
pneumatic working port	1/8 NPT
Operating voltage	120V AC
Operating pressure	0.18 MPa...0.8 MPa 1.8 bar...8 bar
Type of reset	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 size	5 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting
Type of piloting	Pilot actuated
Flow direction	Non-reversible
lap	Underlap
Switching time off	36 ms
Switching time on	10 ms
Characteristic coil data	120 V AC: 60 Hz, pick-up power 11.5 VA, holding power 6.5 VA

Feature	Value
Explosion 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) Class III, Div. 2 (US) Zone 1 (US) Zone 2 (US)
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
Media temperature	-5 °C...40 °C
Ambient temperature	-5 °C...40 °C
Product weight	420 g
Type of mounting	With through-hole
Breather connection	Internal
Pilot exhaust port 84	M5
Pneumatic connection, port 1	1/8 NPT
Pneumatic connection, port 2	1/8 NPT
Pneumatic connection, port 3	1/8 NPT
Pneumatic connection, port 4	1/8 NPT
Pneumatic connection, port 5	1/8 NPT
Material seals	NBR PU
Material housing	Die-cast aluminium Anodised