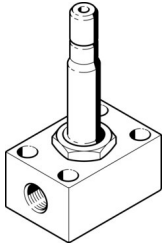


# Air solenoid valve MCH-3-1/8

Part number: 2199

FESTO



 [General operating condition](#)

## Data sheet

Feature	Value
Valve function	3/2, closed, monostable
Actuation type	Electrical
Normal nominal flow rate (normalized to DIN 1343)	160 l/min
Pneumatic working port	G1/8
Operating pressure	0 MPa ... 0.7 MPa
Operating pressure	0 bar ... 7 bar
Structural design	Poppet valve with return spring
Reset method	Mechanical spring
Degree of protection	IP65
Nominal width	2.5 mm
Sealing principle	Soft
Manual override	Detenting
Type of control	Direct
Flow direction	Non-reversible
Symbol	00991308
Switching time off	13 ms
On switching time	12 ms
Duty cycle	100%
Coil characteristics	110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 22.0 VA 110 V DC: 12.7 W 120 V AC: 60 Hz, initial power 30.0 VA, holding power 22.0 VA 12 V AC: 50 Hz, initial power 30.0 VA, holding power 22.0 VA 12 V DC: 11.7 W 220 V AC: 50/60 Hz, initial power 30.0 VA, holding power 22.0 VA 220 V DC: 15.0 W 240 V AC: 50 Hz, initial power 30.0 VA, holding power 22.0 VA 240 V DC: 17.9 W 24 V AC: 50 Hz, initial power 30.0 VA, holding power 22.0 VA 24 V DC: 11.0 W 380 V AC: 50/60 Hz, initial power 30.0 VA, holding power 22.0 VA 42 V AC: 50/60 Hz, initial power 30.0 VA, holding power 22.0 VA 42 V DC: 12.0 W 48 V AC: 50 Hz, initial power 30.0 VA, holding power 22.0 VA 96 V DC: 11.0 W
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity	VDMA24364-C1-L
Storage temperature	-40 °C ... 100 °C
Temperature of medium	-10 °C ... 60 °C
Ambient temperature	-5 °C ... 40 °C
Type of mounting	With through-hole

<b>Feature</b>	<b>Value</b>
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Note on materials	RoHS-compliant