

# Solenoid valve MVH-5-1/8-L-S-B

Part number: 19750

FESTO



## Data sheet

Feature	Value
Valve function	5/2-way, monostable
Type of actuation	Electric
Construction width	26 mm
Standard nominal flow rate	1000 l/min
pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Nominal size	8 mm
Sealing principle	Soft
Mounting position	optional
Manual override	Non-detenting
Type of piloting	Pilot actuated
Pilot air supply	External
Flow direction	Reversible
lap	Positive overlap
Pilot pressure	0.3 MPa...1 MPa 3 bar...10 bar
Max. switching frequency	3 Hz
Switching time off	25 ms
Switching time on	30 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse with 1 signal	3700 µs
Characteristic coil data	24 V DC: 2.5 W
Permissible voltage fluctuations	+/- 10 %
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
LABS (PWIS) conformity	VDMA24364-B1/B2-L

<b>Feature</b>	<b>Value</b>
Storage temperature	-40 °C...60 °C
Media temperature	-5 °C...50 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Product weight	290 g
Type of mounting	Either: On PR rail With through-hole
Auxiliary pilot air port 12	G1/8
Auxiliary pilot air port 14	G1/8
Pilot exhaust port 84	M5
Pilot air port 12	G1/8
Pilot air port 14	G1/8
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium