

Solenoid valve MVH-5/3E-1/8-S-B

Part number: 30998

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	Electric
Construction width	26 mm
Standard nominal flow rate (standardised to DIN 1343)	1000 l/min
pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Nominal size	8 mm
Grid dimension	27 mm
Sealing principle	Soft
Mounting position	optional
Manual override	None
Type of piloting	Direct
Pilot air supply	External
Flow direction	Reversible
Symbol	00991032
lap	Overlap
Pilot pressure	0.3 MPa ... 1 MPa
Pilot pressure	3 bar ... 10 bar
Max. switching frequency	3 Hz
Switching time off	29 ms
Switching time on	34 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
Storage temperature	-40 °C ... 60 °C
Media temperature	-5 °C ... 50 °C

Feature	Value
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 50 °C
Product weight	575 g
Type of mounting	On PR rail With through-hole
Auxiliary pilot air port 12	G1/8
Auxiliary pilot air port 14	G1/8
Pilot exhaust port 82	M5
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