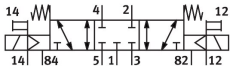
Solenoid valve
MFH-5/3G-1/8-S-B

Part number: 30993





Data sheet

Feature	Value
Valve function	5/3-way, closed
Type of actuation	Electrical
Construction width	26 mm
Standard nominal flow rate (standardised to DIN 1343)	1000 l/min
pneumatic working port	G1/8
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Nominal size	8 mm
Sealing principle	Soft
Mounting position	Any
Manual override	Non-detenting
Type of piloting	Piloted
Pilot air supply	External
Flow direction	Reversible
lap	Overlap
Pilot pressure	0.3 MPa...1 MPa 3 bar...10 bar
Max. switching frequency	3 Hz
Switching time off	23 ms
Switching time on	20 ms
Switching time reversal	23 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse with 1 signal	3700 µs
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	-10 °C...60 °C

Feature	Value
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...40 °C
Product weight	400 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	Either: On PR rail With through-hole
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