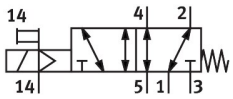
Air solenoid valve
MDH-5/2-D-1-S-FR-M12-C

Part number: 533761





Data sheet

Feature	Value
Valve function	5/2-way, monostable
Actuation type	Electrical
Width	42 mm
Normal nominal flow rate (normalized to DIN 1343)	1200 l/min
Pneumatic working port	Sub-base, size 1 according to ISO 5599-1 G1/4
Operating voltage	24V DC
Operating pressure	-0.9 bar...16 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Degree of protection	IP65
Nominal width	8 mm
Width dimension	43 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Non-detenting
ISO code	169
Type of control	Piloted
Pilot air supply port	External
Flow direction	Reversible
Lap	Positive overlap
Pilot pressure	3 bar...10 bar
Switching time off	42 ms
On switching time	20 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	3800 µs
Max. negative test pulse on 1 signal	4900 µs
Coil characteristics	24 V DC: 2.7 W
Permissible voltage fluctuations	+/- 10%
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-10 °C...50 °C
Noise level	85 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C...50 °C
Product weight	420 g
Electrical connection	M12x1
Type of mounting	On sub-base With through-hole
Pilot air port 12	Sub-base
Pilot air port 14	Sub-base
Pneumatic connection 1	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 1 as per ISO 5599-1
Seals material	HNBR NBR
Housing material	Die-cast aluminum