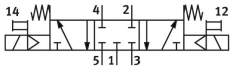
Air solenoid valve
MDH-5/3G-D-3-M12-C

Part number: 539080





Data sheet

Feature	Value
Valve function	5/3-way, closed
Actuation type	Electrical
Width	65 mm
Normal nominal flow rate (normalized to DIN 1343)	4100 l/min
Pneumatic working port	Sub-base, size 3 as per ISO 5599-1 G1/2
Operating voltage	24V DC
Operating pressure	3 bar...10 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Degree of protection	IP65
Nominal width	14.5 mm
Width dimension	71 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Non-detenting
ISO code	356
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Positive overlap
Switching time off	79 ms
On switching time	35 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]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)

Feature	Value
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)
Ambient temperature	-10 °C...50 °C
Product weight	1120 g
Electrical connection	M12x1
Type of mounting	On sub-base With through-hole and screw
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	M5
Pneumatic connection 1	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 3 as per ISO 5599-1
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum