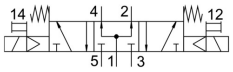
Air solenoid valve
MDH-5/3B-D-3-M12D-C

Part number: 540823





Data sheet

Feature	Value
Valve function	5/3, pressurized
Actuation type	Electrical
Width	65 mm
Standard nominal flow rate	4000 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
Design	Piston gate valve
Reset method	Mechanical spring
Degree of protection	IP65
Nominal width	14.5 mm
Width dimension	71 mm
Type code	MDH
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Non-detenting
ISO code	358
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00991083
Lap	Overlap
Switching time off	84 ms
On switching time	36 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)
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6

Feature	Value
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
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