Solenoid valve
JMDH-5/2-D-2-M12-C

Part number: 533013

Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	Electric
Construction width	54 mm
Standard nominal flow rate (standardised to DIN 1343)	2300 l/min
pneumatic working port	Sub-base size 2 to ISO 5599-1 G3/8
Operating voltage	24V DC
Operating pressure	2 bar...10 bar
Design	Piston gate valve
Degree of protection	IP65
Nominal size	11.5 mm
Grid dimension	56 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Conforms to standard	ISO 5599-1
Manual override	Non-detenting
ISO code	255
Type of piloting	Pilot actuated
Pilot air supply	Internal
Flow direction	Non-reversible
lap	Overlap
Switching time reversal	20 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	3800 µs
Max. negative test pulse with 1 signal	4900 µs
Characteristic coil data	24 V DC: 2.7 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)

Feature	Value
Vibration resistance	Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-10 °C...50 °C
Sound pressure level	85 dB(A)
Ambient temperature	-10 °C...50 °C
Product weight	940 g
Electrical connection	M12x1
Type of mounting	On sub-base Via through-hole and screw
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pneumatic connection, port 1	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 2	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 3	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 4	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 5	Sub-base size 2 to ISO 5599-1
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium