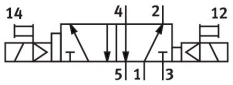
Air solenoid valve
JMFDH-5/2-D-1-C

Part number: 151019





Data sheet

Feature	Value
Valve function	5/2-way, dominant, bistable
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	Via solenoid coil, to be ordered separately
Operating pressure	0.2 MPa...1 MPa 2 bar...10 bar
Structural design	Piston gate valve
Certification	c UL us - recognized (OL)
Maritime classification	See certificate
Certificate issuing authority	DNV-TAA000032X UL MH19482
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	Detenting via accessory Non-detenting
ISO code	169
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Positive overlap
Suitability for vacuum	No
Changeover time	16 ms
Switching time changeover (dominant)	13 ms
Max. positive test pulse with 0 signal	2200 µs

Feature	Value
Max. negative test pulse on 1 signal	3700 µs
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
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...60 °C
Noise level	85 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...40 °C
Product weight	490 g
Electrical connection	3-pin Form A, with VACF-A Coil Form B Industry (11 mm), with MSF Coil Via solenoid coil, to be ordered separately
Type of mounting	On sub-base With through-hole
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	M5
Pilot air port 12	Sub-base, size 1 as per ISO 5599-1
Pilot air port 14	Sub-base, size 1 as per ISO 5599-1
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
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum