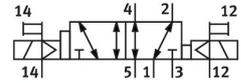


Solenoid valve

JMN1DH-5/2-D-3-S-C

Part number: 160897

FESTO



Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, bistable, dominant |
| Type of actuation | Electric |
| Construction width | 65 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 4500 l/min |
| pneumatic working port | Sub-base size 3 to ISO 5599-1 G1/2 |
| Operating voltage | Via solenoid coil, must be ordered separately |
| Operating pressure | -0.09 MPa...1.6 MPa -0.9 bar...16 bar |
| Design | Piston gate valve |
| Maritime classification | See certificate |
| Certificate issuing authority | DNV-TAA000032X |
| Degree of protection | IP65 |
| Nominal size | 14.5 mm |
| Grid dimension | 71 mm |
| Exhaust-air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | optional |
| Conforms to standard | ISO 5599-1 |
| Manual override | Detenting via accessory Non-detenting |
| ISO code | 369 |
| Type of piloting | Pilot actuated |
| Pilot air supply | External |
| Flow direction | Reversible |
| lap | Overlap |
| Pilot pressure | 0.2 MPa...1 MPa 2 bar...10 bar |
| Suitability for vacuum | yes |
| Switching time reversal | 24 ms |
| Switching time reversal (dominating) | 21 ms |
| Max. positive test pulse with 0 signal | 3700 µs |

| Feature | Value |
|--|--|
| Max. negative test pulse with 1 signal | 4600 µs |
| 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) |
| 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 | -5 °C...50 °C |
| Sound pressure level | 85 dB(A) |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C...50 °C |
| Product weight | 1090 g |
| Electrical connection | Via N1 coil, to be ordered separately |
| Type of mounting | On sub-base Via through-hole and screw |
| Pilot exhaust port 82 | M5 |
| Pilot exhaust port 84 | M5 |
| Pilot air port 12 | Sub-base size 3 to ISO 5599-1 |
| Pilot air port 14 | Sub-base size 3 to ISO 5599-1 |
| Pneumatic connection, port 1 | Sub-base size 3 to ISO 5599-1 |
| Pneumatic connection, port 2 | Sub-base size 3 to ISO 5599-1 |
| Pneumatic connection, port 3 | Sub-base size 3 to ISO 5599-1 |
| Pneumatic connection, port 4 | Sub-base size 3 to ISO 5599-1 |
| Pneumatic connection, port 5 | Sub-base size 3 to ISO 5599-1 |
| Note on materials | RoHS-compliant |
| Material seals | HNBR NBR |
| Material housing | Die-cast aluminium |