

solenoid valve

MN1H-5/3B-D-2-S-C

Part number: 159696

FESTO

With manual override, without solenoid coil or socket. Solenoid coil and socket should be ordered separately.



Data sheet

| Feature | Value |
|---------------------------------------|--|
| Valve function | 5/3 pressurised |
| Type of actuation | electrical |
| Width | 54 mm |
| Standard nominal flow rate | 2,300 l/min |
| Operating pressure MPa | -0.09 ... 1.6 MPa |
| Operating pressure | -0.9 ... 16 bar |
| Design structure | Piston slide |
| Type of reset | mechanical spring |
| Maritime classification | see certificate |
| Protection class | IP65 |
| Nominal size | 11.5 mm |
| Grid dimension | 56 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | with accessories, detenting Pushing |
| ISO code | 269 |
| Type of piloting | Piloted |
| Pilot air supply | external |
| Flow direction | reversible |
| Overlap | Positive overlap |
| Pilot pressure | 3 ... 10 bar |
| Switching time off | 78 ms |
| Switching time on | 35 ms |
| Max. positive test pulse with logic 0 | 3,700 µs |
| Max. negative test pulse with logic 1 | 4,600 µs |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| 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 in accordance with FN 942017-5 and EN 60068-2-27 |
| PWIS conformity | VDMA24364-B1/B2-L |
| Medium temperature | -5 ... 50 °C |
| Sound pressure level | 85 dB(A) |
| Pilot medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Ambient temperature | -5 ... 50 °C |
| Product weight | 940 g |
| Electrical connection | Via N1 coil, to be ordered separately |
| Mounting type | On sub-base |

| Feature | Value |
|------------------------------|---|
| | With through-hole and screw |
| Pilot exhaust port 82 | M5 |
| Pilot exhaust port 84 | M5 |
| Pilot air port 12 | Connection plate size 2 as per ISO 5599-1 |
| Pilot air port 14 | Connection plate size 2 as per ISO 5599-1 |
| Pneumatic connection, port 1 | Connection plate size 2 as per ISO 5599-1 |
| Pneumatic connection, port 2 | Connection plate size 2 as per ISO 5599-1 |
| Pneumatic connection, port 3 | Connection plate size 2 as per ISO 5599-1 |
| Pneumatic connection, port 4 | Connection plate size 2 as per ISO 5599-1 |
| Pneumatic connection, port 5 | Connection plate size 2 as per ISO 5599-1 |
| Materials note | Conforms to RoHS |
| Material seals | HNBR NBR |
| Material housing | Aluminium die cast |