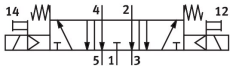
# Air solenoid valve
# MDH-5/3E-D-2-M12D-C

Part number: 540814






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/3 exhausted |
| Actuation type | Electrical |
| Width | 54 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 2300 l/min |
| Pneumatic working port | Sub-base, size 2 according to ISO 5599-1<br>G3/8 |
| Operating voltage | 24V DC |
| Operating pressure | 3 bar...10 bar |
| Structural design | Piston gate valve |
| Reset method | Mechanical spring |
| Degree of protection | IP65 |
| Nominal width | 11.5 mm |
| Width dimension | 56 mm |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | Non-detenting |
| ISO code | 257 |
| Type of control | Piloted |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Lap | Positive overlap |
| Switching time off | 70 ms |
| On switching time | 35 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) |

| Feature | Value |
|---|---|
| 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...50 °C |
| Noise level | 85 dB(A) |
| Ambient temperature | -10 °C...50 °C |
| Product weight | 1000 g |
| Electrical connection | M12x1 |
| Type of mounting | On sub-base<br>With through-hole and screw |
| Pilot exhaust air port 82 | M5 |
| Pilot exhaust air port 84 | M5 |
| Pneumatic connection 1 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 2 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 3 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 4 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 5 | Sub-base, size 2 as per ISO 5599-1 |
| Note on materials | RoHS compliant |
| Seals material | HNBR<br>NBR |
| Housing material | Die-cast aluminum |