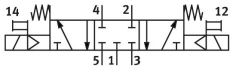
# Air solenoid valve
# MDH-5/3G-3/4-D-4-24DC

Part number: 12459






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/3-way, closed |
| Actuation type | Electrical |
| Width | 76 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 4800 l/min |
| Pneumatic working port | Sub-base, size 4 as per ISO 5599-1<br>G3/4 |
| Operating voltage | 24V DC |
| Operating pressure | 3 bar...16 bar |
| Structural design | Piston gate valve |
| Reset method | Mechanical spring |
| Degree of protection | IP65 |
| Nominal width | 18 mm |
| Width dimension | 82 mm |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | Non-detenting |
| ISO code | 456 |
| Type of control | Piloted |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Lap | Positive overlap |
| Switching time off | 290 ms |
| On switching time | 85 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 4300 µs |
| Max. negative test pulse on 1 signal | 2100 µs |
| Coil characteristics | 24 V DC: 6.8 W<br>48 V AC: 50/60 Hz, initial power 14.5 VA, holding power 9.9 VA |
| 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 |
|---|---|
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Temperature of medium | -10 °C...60 °C |
| Noise level | 85 dB(A) |
| Ambient temperature | -10 °C...50 °C |
| Product weight | 2600 g |
| Electrical connection | As per DIN EN 175301-803 |
| 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 4 as per ISO 5599-1 |
| Pneumatic connection 2 | Sub-base, size 4 as per ISO 5599-1 |
| Pneumatic connection 3 | Sub-base, size 4 as per ISO 5599-1 |
| Pneumatic connection 4 | Sub-base, size 4 as per ISO 5599-1 |
| Pneumatic connection 5 | Sub-base, size 4 as per ISO 5599-1 |
| Note on materials | RoHS compliant |
| Seals material | NBR |
| Housing material | Aluminum |