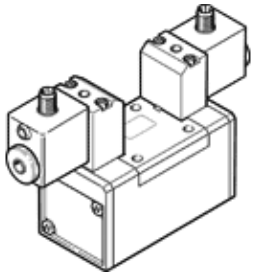
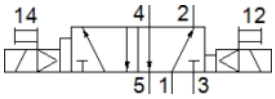
# Solenoid valve
# JMDDH-5/2-D-3-M12D-C

Part number: 540824

With M12 plug connection.






## Data sheet

| Feature | values |
|---|---|
| Valve function | 5/2 bistable-dominant |
| Type of actuation | electrical |
| Width | 65 mm |
| Standard nominal flow rate | 4,500 l/min |
| Working pressure | 2 ... 10 bar |
| Design structure | Piston slide |
| Protection class | IP65 |
| Nominal size | 14.5 mm |
| Grid dimension | 71 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | Pushing |
| ISO code | 369 |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Flow direction | non reversible |
| Freedom from overlap | Yes |
| Note on forced dynamisation | Switching frequency at least once a week |
| Switching time reversal | 23 ms |
| Switching time reversal (dominating) | 23 ms |
| Duty cycle | 100% |
| Max. positive test pulse with logic 0 | 3,800 µs |
| Max. negative test pulse with logic 1 | 4,900 µs |
| Characteristic coil data | 24 V DC: 2.7 W |
| Permissible voltage fluctuation | +/- 10 % |
| 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 at severity level 1 in accordance with 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 |
| Medium temperature | -10 ... 50 °C |
| Sound pressure level | 85 dB(A) |
| Ambient temperature | -10 ... 50 °C |
| Product weight | 1,100 g |
| Electrical connection | M12x1 |
| Mounting type | On subbase<br>With through-hole and screw |
| Pilot exhaust port 82 | M5 |
| Pilot exhaust port 84 | M5 |
| Pneumatic connection, port 1 | Connection plate size 3 as per ISO 5599-1 |

| Feature | values |
|---|---|
| Pneumatic connection, port 2 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 3 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 4 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 5 | Connection plate size 3 as per ISO 5599-1 |
| Materials note | Conforms to RoHS |
| Materials information for seals | HNBR<br>NBR |
| Materials information, housing | Aluminum die cast |