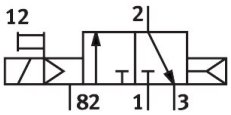
# Solenoid valve
# CPE18-M1H-3GL-QS-10

Part number: 163157






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 3/2-way, single solenoid, closed |
| Type of actuation | Electrical |
| Construction width | 18 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 1000 l/min |
| pneumatic working port | QS-10 |
| Operating voltage | 24 V DC |
| Operating pressure | 0.25 MPa...1 MPa<br>2.5 bar...10 bar |
| Design | Piston gate valve |
| Type of reset | Pneumatic spring |
| Approval | c UL us - Recognised (Oil) |
| Maritime classification | See certificate |
| Certificate issuing authority | DNV-TAA000032X<br>UL MH19482 |
| Degree of protection | IP65<br>With plug socket<br>To IEC 60529 |
| Nominal size | 8 mm |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting via accessory<br>Non-detenting |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Flow direction | Non-reversible |
| Valve position code | Label holder |
| lap | Overlap |
| Switching time off | 18 ms |
| Switching time on | 28 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 3300 µs |
| Max. negative test pulse with 1 signal | 3100 µs |
| Characteristic coil data | 24 V DC: 1.5 W |

| Feature | Value |
|---|---|
| Permissible voltage fluctuations | -15% / +10% |
| 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 2 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 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Media temperature | -5 °C...50 °C |
| Ambient temperature | -5 °C...50 °C |
| Electrical connection | Type C |
| Type of mounting | With through-hole |
| Pilot exhaust port 82 | M5 |
| Pilot air port 12 | M5 |
| Pneumatic connection, port 1 | QS-10 |
| Pneumatic connection, port 2 | QS-10 |
| Pneumatic connection, port 3 | G1/4 |
| Note on materials | RoHS compliant |
| Material seals | NBR |
| Material housing | Die-cast aluminium |