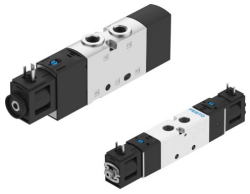
# Solenoid valve
# VUVS-30

Part number: 8022017



## Data sheet

| Feature | Value |
|---|---|
| Valve function | 2x3/2 closed monostable<br>2x3/2 open monostable<br>2x3/2-way, open/closed, monostable<br>3/2-way, single solenoid, closed<br>3/2-way, single solenoid, open<br>5/2-way, double solenoid<br>5/2-way, single solenoid<br>5/3-way, pressurised<br>5/3 exhausted<br>5/3-way, closed |
| Type of actuation | Electrical |
| Valve size | 31 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 1500 l/min...2400 l/min |
| pneumatic working port | G3/8<br>3/8 NPT<br>QS-8<br>QS-10<br>QS-12<br>QS-5/16<br>QS-3/8<br>QS-1/2 |
| Operating voltage | 110V AC<br>120V AC<br>12 V DC<br>230V AC<br>240V AC<br>24V AC<br>24 V DC |
| Operating pressure | -0.09 MPa...1 MPa<br>-0.9 bar...10 bar |
| Design | Piston gate valve<br>Poppet seat |
| Type of reset | Mechanical spring<br>Pneumatic spring |
| Approval | c UL us - Recognised (Oil) |
| Maritime classification | See certificate |
| CE mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| Explosion protection certification outside the EU | EPL Dc (GB) |

| Feature | Value |
|---|---|
| | EPL Gc (GB) |
| Certificate issuing authority | DNVGL-TAA000011J |
| ATEX category gas | II 3G |
| ATEX category dust | II 3D |
| Explosion ignition protection type for gas | Ex ec IIC T4 Gc X |
| Explosion ignition protection type for dust | Ex tc IIIC T115°C Dc X |
| Explosion ambient temperature | -10°C <= Ta <= +60°C |
| Degree of protection | IP65<br>IP67<br>With plug socket<br>To IEC 60529 |
| Exhaust-air function | Can be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Type of piloting | Piloted |
| Explosion protection | Zone 2 (ATEX)<br>Zone 2 (UKEX)<br>Zone 22 (ATEX)<br>Zone 22 (UKEX) |
| 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) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Media temperature | -10 °C...60 °C |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -10 °C...60 °C |
| Type of mounting | Either:<br>On manifold rail<br>With through-hole |
| Breather connection | Not ducted |
| Note on materials | RoHS compliant |
| Material seals | HNBR<br>NBR |
| Material housing | Die-cast aluminium<br>painted |
| Material piston slide | Wrought aluminium alloy |
| Material screws | Nickel-plated steel |