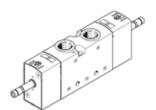
## solenoid valve VUVS-L25-P53U-MD-G14-F8 Part number: 575530





## **Data sheet**

| Feature                                 | Value  |
|---|--|
| Valve function                          | 5/3 pressurised  |
| Type of actuation                       | electrical   |
| Valve size                              | 26.5 mm  |
| Standard nominal flow rate              | 1,000 l/min  |
| Operating pressure MPa                  | 0.25 1 MPa   |
| Operating pressure                      | 2.5 10 bar   |
| Design structure                        | Piston slide   |
| Type of reset                           | mechanical spring  |
| Authorisation                           | c UL us - Recognized (OL)  |
| Maritime classification                 | see certificate  |
| Certificate issuing department          | DNVGL-TAA000011J   |
| Nominal size                            | 6.3 mm   |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | detenting  |
|   | Pushing  |
| Type of piloting                        | Piloted  |
| Pilot air supply                        | Internal   |
| Flow direction                          | non reversible   |
| Overlap                                 | Positive overlap   |
| b value                                 | 0.4  |
| C value                                 | 4.3 l/sbar   |
| Switching time off                      | 48 ms  |
| Switching time on                       | 14 ms  |
| Switching time reversal                 | 25 ms  |
| Max. positive test pulse with logic 0   | 2,000 μs   |
| Max. negative test pulse with logic 1   | 3,600 μs   |
| 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 2 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              |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress  |
| PWIS conformity                         | VDMA24364-B1/B2-L  |
| Medium temperature                      | -10 60 °C  |
| Pilot medium                            | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Ambient temperature                     | -10 60 °C  |
| Product weight                          | 324 g  |
| Mounting type                           | on manifold rail   |
|   | with through hole  |
|   | Optional   |
| Scavenging orifice connection           | Non-ducted   |
| Pilot exhaust port 82                   | M5   |



| Feature                      | Value                   |
|------------------------------|-------------------------|
| Pilot exhaust port 84        | M5                      |
| Pneumatic connection, port 1 | G1/4                    |
| Pneumatic connection, port 2 | G1/4                    |
| Pneumatic connection, port 3 | G1/4                    |
| Pneumatic connection, port 4 | G1/4                    |
| Pneumatic connection, port 5 | G1/4                    |
| Materials note               | Conforms to RoHS        |
| Material seals               | HNBR                    |
|                              | NBR                     |
| Material housing             | Aluminium die cast      |
|                              | Painted                 |
| Material Piston slide        | Wrought Aluminium alloy |
| Material screws              | Galvanised steel        |