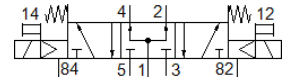


# solenoid valve

## VUVS-L30-P53U-MD-N38-F8

Part number: 575653

FESTO



## Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 5/3 pressurised  |
| Type of actuation                       | electrical   |
| Valve size                              | 31 mm  |
| Standard nominal flow rate              | 1,600 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                            | 8.1 mm   |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | detenting<br>Pushing   |
| Type of piloting                        | Piloted  |
| Pilot air supply                        | Internal   |
| Flow direction                          | non reversible   |
| Overlap                                 | Positive overlap   |
| b value                                 | 0.4  |
| C value                                 | 6.6 l/sbar   |
| Switching time off                      | 75 ms  |
| Switching time on                       | 18 ms  |
| Switching time reversal                 | 31 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  |
| 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                          | 461 g  |
| Mounting type                           | on manifold rail<br>with through hole<br>Optional  |
| Scavenging orifice connection           | Non-ducted   |
| Pilot exhaust port 82                   | 10-32 UNF-2B   |
| Pilot exhaust port 84                   | 10-32 UNF-2B   |

| Feature                      | Value                         |
|------------------------------|-------------------------------|
| Pneumatic connection, port 1 | 3/8 NPT                       |
| Pneumatic connection, port 2 | 3/8 NPT                       |
| Pneumatic connection, port 3 | 3/8 NPT                       |
| Pneumatic connection, port 4 | 3/8 NPT                       |
| Pneumatic connection, port 5 | 3/8 NPT                       |
| Materials note               | Conforms to RoHS              |
| Material seals               | HNBR<br>NBR                   |
| Material housing             | Aluminium die cast<br>Painted |
| Material Piston slide        | Wrought Aluminium alloy       |
| Material screws              | Steel, nickel-plated          |