

# Filter regulator LFR-N1/4-D-16-O-MIDI-T3-EX4

Part number: 5271803

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value   |
|---|---|
| Size  | Midi  |
| Series  | D   |
| Actuator lock                                     | Rotary knob with detent   |
| Mounting position                                 | Vertical $\pm 5^\circ$  |
| Grade of filtration                               | 40 $\mu\text{m}$  |
| Condensate drain                                  | Manual, rotating  |
| Structural design                                 | Filter regulator without pressure gauge   |
| Max. condensate volume                            | 42 ml   |
| Bowl guard  | Integrated as metal bowl  |
| Symbol  | 00991586  |
| Pressure gauge                                    | Set up for G1/4   |
| Operating pressure                                | 0.1 MPa ... 2 MPa   |
| Operating pressure                                | 1 bar ... 20 bar  |
| Pressure regulation range                         | 0.5 bar ... 16 bar  |
| Max. pressure hysteresis                          | 0.02 MPa  |
| Max. pressure hysteresis                          | 2.9 psi   |
| Normal nominal flow rate (normalized to DIN 1343) | 1190 l/min  |
| CE marking (see declaration of conformity)        | as per EU explosion protection directive (ATEX)   |
| UKCA marking (see declaration of conformity)      | acc. to UK EX instructions  |
| Explosion protection certification outside the EU | EPL Db (GB)<br>EPL Gb (GB)  |
| Explosion prevention and protection               | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| ATEX category gas                                 | II 2G   |
| ATEX category for dust                            | II 2D   |
| Type of ignition protection for gas               | Ex h IIC T6 Gb X  |
| Type of (ignition) protection for dust            | Ex h IIIC T85°C Db X  |
| Explosive ambient temperature                     | $-40^\circ\text{C} \leq T_a \leq +80^\circ\text{C}$   |
| Operating medium                                  | Inert gases   |
| Information on operating and pilot media          | Operation with oil lubrication possible (required for further use)                                    |
| Corrosion resistance class (CRC)                  | 3 - High corrosion stress   |
| LABS (PWIS) conformity                            | VDMA24364 Zone III  |

| <b>Feature</b>                  | <b>Value</b>   |
|---------------------------------|--|
| Storage temperature             | -40 °C ... 80 °C   |
| Air quality class at the output | Compressed air as per ISO 8573-1:2010 [7:8:4]<br>Inert gases |
| Temperature of medium           | -40 °C ... 80 °C   |
| Ambient temperature             | -40 °C ... 80 °C   |
| Product weight                  | 1400 g   |
| Type of mounting                | With accessories   |
| Pneumatic connection 1          | 1/4 NPT  |
| Pneumatic connection 2          | 1/4 NPT  |
| Note on materials               | RoHS compliant   |
| Housing material                | Die-cast zinc  |
| Material of bowl                | Wrought aluminum alloy                                       |