

# Filter regulator LFR-N1/2-D-16-O-MIDI-T3-EX4

Part number: 5271807

**FESTO**



## 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 $\text{cm}^3$                                                                                      |
| Bowl guard                                        | Integrated as metal bowl                                                                              |
| Pressure gauge                                    | Set up for G1/4                                                                                       |
| Operating pressure                                | 0.1 MPa...2 MPa<br>1 bar...20 bar                                                                     |
| Pressure regulation range                         | 0.5 bar...16 bar                                                                                      |
| Max. pressure hysteresis                          | 0.02 MPa<br>2.9 psi                                                                                   |
| Normal nominal flow rate (normalized to DIN 1343) | 1760 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°C $\leq$ Ta $\leq$ +80°C                                                                          |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [::9:-]<br>Inert gases                                          |
| Information on operating and pilot media          | Operation with oil lubrication possible (required for further use)                                    |

| Feature                          | Value                                                        |
|----------------------------------|--------------------------------------------------------------|
| Corrosion resistance class (CRC) | 3 - High corrosion stress                                    |
| LABS (PWIS) conformity           | VDMA24364 Zone III                                           |
| 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                 | Alternatively:<br>In-line installation<br>With accessories   |
| Pneumatic connection 1           | 1/2 NPT                                                      |
| Pneumatic connection 2           | 1/2 NPT                                                      |
| Note on materials                | RoHS compliant                                               |
| Housing material                 | Die-cast zinc                                                |
| Material of bowl                 | Wrought aluminum alloy                                       |