

# Linear actuator DGC-K-18- -

Part number: 1312500

FESTO



## Data sheet

| Feature                                      | Value  |
|--|--|
| Stroke                                       | 1 mm...3000 mm   |
| Piston diameter                              | 18 mm  |
| Cushioning                                   | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                            | Any  |
| Position sensing                             | For proximity sensor   |
| Variants                                     | Supply port at both ends<br>Standard piston<br>Extended piston     |
| Operating pressure                           | 0.2 MPa...0.8 MPa<br>2 bar...8 bar                                 |
| Mode of operation                            | Double-acting  |
| 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 prevention and protection          | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 22 (ATEX)                   |
| ATEX category gas                            | II 2G  |
| ATEX category for dust                       | II 3D  |
| Type of ignition protection for gas          | Ex h IIC T4 Gb X   |
| Type of (ignition) protection for dust       | Ex h IIIC T120°C Dc X  |
| Explosive ambient temperature                | -10°C ≤ Ta ≤ +60°C   |
| Operating medium                             | Compressed air as per ISO 8573-1:2010 [7:-:-]                      |
| Information on operating and pilot media     | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)             | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                       | VDMA24364-B1/B2-L  |
| For use in the food industry                 | See supplementary material information                             |
| Ambient temperature                          | -10 °C...60 °C   |
| Cushioning length                            | 16 mm  |
| Theoretical force at 6 bar, retracting       | 153 N  |
| Theoretical force at 6 bar, advancing        | 153 N  |
| Alternative connections                      | See product drawing  |
| Type of mounting                             | With accessories   |
| Note on materials                            | RoHS-compliant   |

| <b>Feature</b> | <b>Value</b>      |
|----------------|-------------------|
| Cover material | Die-cast aluminum |
| Seals material | NBR<br>TPE-U(PU)  |