

# Linear drive DGC-K-18- -

Part number: 1312500

**FESTO**



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                                      | Value                                                                                      |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                                       | 1 mm ... 3000 mm                                                                           |
| Piston diameter                                              | 18 mm                                                                                      |
| Cushioning                                                   | Pneumatic cushioning, adjustable at both ends                                              |
| Mounting position                                            | optional                                                                                   |
| Position detection                                           | Via proximity switch                                                                       |
| Variants                                                     | Supply port at both ends<br>Standard piston<br>Extended piston                             |
| Operating pressure                                           | 0.2 MPa ... 0.8 MPa                                                                        |
| Operating pressure                                           | 2 bar ... 8 bar                                                                            |
| Mode of operation                                            | Double-acting                                                                              |
| CE mark (see declaration of conformity)                      | To EU Explosion Protection Directive (ATEX)                                                |
| UKCA marking (see declaration of conformity)                 | To UK EX instructions                                                                      |
| Explosion protection                                         | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 22 (ATEX)                                           |
| ATEX category gas                                            | II 2G                                                                                      |
| ATEX category dust                                           | II 3D                                                                                      |
| Explosion ignition protection type for gas                   | Ex h IIC T4 Gb X                                                                           |
| Explosion ignition protection type for dust                  | Ex h IIIC T120°C Dc X                                                                      |
| Explosion ambient temperature                                | -10 °C ≤ Ta ≤ +60 °C                                                                       |
| Operating medium                                             | Compressed air to ISO 8573-1:2010 [7:-:-]                                                  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 1 - Low corrosion stress                                                                   |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L                                                                          |
| Suitable for use with food                                   | See supplementary material information                                                     |
| Ambient temperature                                          | -10 °C ... 60 °C                                                                           |
| Cushioning length                                            | 16 mm                                                                                      |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 153 N                                                                                      |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 153 N                                                                                      |
| alternative connections                                      | See product drawing                                                                        |
| Type of mounting                                             | With accessories                                                                           |
| Note on materials                                            | RoHS-compliant                                                                             |
| Material cover                                               | Die-cast aluminium                                                                         |

| Feature        | Value            |
|----------------|------------------|
| Material seals | NBR<br>TPE-U(PU) |