

Linear drive 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 | optional |
| Position detection | Via proximity switch |
| Variants | Supply port at both ends Standard piston Extended piston |
| Operating pressure | 0.2 MPa...0.8 MPa 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) Zone 2 (ATEX) 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 |

| Feature | Value |
|-------------------|--------------------|
| Note on materials | RoHS-compliant |
| Material cover | Die-cast aluminium |
| Material seals | NBR TPE-U(PU) |