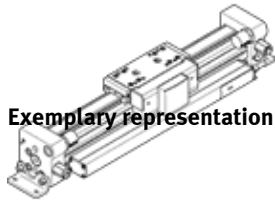


Linear actuator DGCI-18- -

Part number: 544425

FESTO

With recirculating ball bearing guide and attached displacement encoder.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|---|
| Stroke | 100 ... 2,000 mm |
| Stroke servopneumatic positioning | 100 ... 2,000 mm |
| Stroke Soft Stop | 100 ... 2,000 mm |
| Stroke shortening in the end-positions | 20 mm |
| Smallest positioning stroke | 3% of max. stroke However, not more than 20 mm |
| Piston diameter | 18 mm |
| Cushioning | YSR: Shock absorber, hard characteristic curve YSRW: Shock absorber, soft characteristic curve |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Position detection | With attached displacement encoder |
| Variants | protected recirculating ball bearing guide Additional slide, on left as standard Additional slide, on right as standard |
| Operating pressure MPa | 0.2 ... 0.8 MPa |
| Working pressure | 2 ... 8 bar |
| Operating pressure | 29 ... 116 psi |
| Mode of operation | double-acting |
| Authorization | RCM Mark |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline according to EU-Ex protection guideline (ATEX) in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK EX instructions To UK RoHS instructions |
| Explosion protection certification outside the EU | EPL Dc (GB) EPL Gc (GB) |
| ATEX category Gas | II 3G |
| ATEX category Dust | II 3D |
| Explosion ignition protection type Gas | Ex ec IIC T4 Gc X |
| Explosion ignition protection type Dust | Ex tc IIIC T120°C Dc X |
| Explosion-proof ambient temperature | 0°C ≤ Ta ≤ +50°C |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [6:4:4] |
| Note on operating and pilot medium | Lubricated operation not possible |
| Corrosion resistance classification CRC | 1 - Low corrosion stress 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Food-safe | See Supplementary material information |
| Ambient temperature | -10 ... 60 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 153 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 153 N |

| Feature | Value |
|-------------------------|------------------------|
| alternative connections | See product drawing |
| Mounting type | with accessories |
| Pneumatic connection | M5 |
| Material cover | Wrought Aluminum alloy |
| Material seals | NBR TPE-U(PU) |