

Linear drive DGPL-50- -

Part number: 175137

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 10 mm...3000 mm |
| Piston diameter | 50 mm |
| Cushioning | Pneumatic cushioning, adjustable at both ends Shock absorber, hard characteristic curve |
| Mounting position | optional |
| Guide | Plain-bearing guide Basic guide Recirculating ball bearing guide |
| Coupling design | Positive-locking (slot) |
| Position detection | Via proximity switch Via attached displacement encoder With integrated displacement encoder |
| Variants | Supply port at both ends Standard slide Extended slide |
| Operating pressure | 0.15 MPa...0.8 MPa 1.5 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) |
| ATEX category gas | II 2G |
| Explosion ignition protection type for gas | Ex h IIC T4 Gb 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 | 0 - No corrosion stress 1 - Low corrosion stress 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Degree of protection | IP65 |
| Ambient temperature | -10 °C...60 °C |
| Cushioning length | 30 mm |

| Feature | Value |
|--|------------------------------|
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 1178 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1178 N |
| alternative connections | See product drawing |
| Pneumatic connection | G1/4 |
| Material cover | Die-cast aluminium Coated |
| Material seals | NBR TPE-U(PU) |
| Material housing | Aluminium Anodised |