

Linear drive DGPL-80- -PPV-A-KF-B

Part number: 161797

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|--|
| Stroke | 10 mm ... 3000 mm |
| Piston diameter | 80 mm |
| Cushioning | Pneumatic cushioning, adjustable at both ends Shock absorber, hard characteristic curve |
| Mounting position | Any |
| Guide | Recirculating ball bearing guide |
| Coupling design | Positive-locking (slot) |
| Position detection | Via proximity switch |
| Symbol | 00991254 |
| Operating pressure | 0.15 MPa ... 0.8 MPa |
| Operating pressure | 1.5 bar ... 8 bar |
| Mode of operation | Double-acting |
| 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 |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -10 °C ... 60 °C |
| Cushioning length | 83 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 3016 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 3016 N |
| Moving mass | 12500 g |
| Moving mass for 0 mm stroke | 12500 g |
| Additional moving mass per 10 mm stroke | 270 g |
| Basic weight for 0 mm stroke | 28700 g |
| alternative connections | See product drawing |
| Pneumatic connection | G1/2 |
| Material cover | Die-cast aluminium coated |
| Material seals | NBR TPE-U(PU) |
| Material housing | anodised |