

Linear drive DLGF-G-25-500-PPSA

Part number: 5072358

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Stroke | 500 mm |
| Piston diameter | 25 mm |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Guide | Basic Guide |
| Coupling design | Positive-locking (slot) |
| Position detection | Via proximity switch |
| Symbol | 00995280 |
| 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 | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Ambient temperature | 0 °C ... 60 °C |
| Cushioning length | 9 mm |
| Max. force F_y | 0 N |
| Max. force $-F_z$ (towards drive) | 164 N |
| Max. force $+F_z$ (away from drive) | 95 N |
| Max. moment M_x | 1.1 Nm |
| Max. moment M_y | 4.5 Nm |
| Max. moment M_z | 1.4 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 295 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 295 N |
| Moving mass | 110 g |
| Product weight | 2712 g |
| alternative connections | See product drawing |
| Type of mounting | With accessories |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS compliant Copper-free |

| Feature | Value |
|------------------|------------------------|
| Material cover | Cast aluminium, coated |
| Material seals | NBR TPE-U(PU) |
| Material housing | Anodised aluminium |