

# Linear drive DLGF-G-20-150-PPSA

Part number: 5074919

FESTO



 General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 150 mm   |
| Piston diameter  | 20 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   | 0.2 MPa ... 0.8 MPa  |
| Operating pressure   | 2 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  | 9.6 mm   |
| Max. force $F_y$   | 0 N  |
| Max. force $-F_z$ (towards drive)                            | 98 N   |
| Max. force $+F_z$ (away from drive)                          | 54 N   |
| Max. moment $M_x$  | 0.6 Nm   |
| Max. moment $M_y$  | 2.2 Nm   |
| Max. moment $M_z$  | 0.7 Nm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 188 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 188 N  |
| Moving mass  | 66 g   |
| Product weight   | 1014 g   |
| alternative connections                                      | See product drawing  |
| Type of mounting   | With accessories   |
| Pneumatic connection   | M5   |
| Note on materials  | RoHS compliant<br>Copper-free  |

| <b>Feature</b>   | <b>Value</b>           |
|------------------|------------------------|
| Material cover   | Cast aluminium, coated |
| Material seals   | NBR<br>TPE-U(PU)       |
| Material housing | Anodised aluminium     |