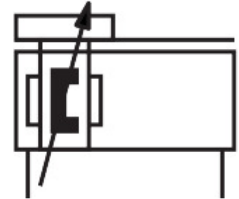


# Linear drive DGPL-50- -PPV-A-KF-B

Part number: 161795

FESTO



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                                      | Value                                                                                      |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                                       | 10 mm ... 3000 mm                                                                          |
| Piston diameter                                              | 50 mm                                                                                      |
| Cushioning                                                   | Pneumatic cushioning, adjustable at both ends<br>Shock absorber, hard characteristic curve |
| Mounting position                                            | optional                                                                                   |
| 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                                            | 30 mm                                                                                      |
| 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                                                                                     |
| Moving mass                                                  | 3000 g                                                                                     |
| Moving mass for 0 mm stroke                                  | 3000 g                                                                                     |
| Additional moving mass per 10 mm stroke                      | 167 g                                                                                      |
| Basic weight for 0 mm stroke                                 | 9600 g                                                                                     |
| alternative connections                                      | See product drawing                                                                        |
| Pneumatic connection                                         | G1/4                                                                                       |
| Material cover                                               | Die-cast aluminium<br>Coated                                                               |
| Material seals                                               | NBR<br>TPE-U(PU)                                                                           |
| Material housing                                             | Anodised                                                                                   |