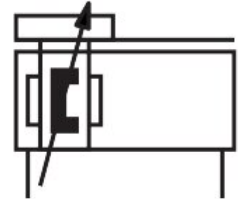


# Linear actuator DGPL-80- -PPV-A-KF-B

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<br>Pneumatic shock absorber, hard characteristic curve |
| Mounting position                        | Any                                                                                                  |
| Guide                                    | Recirculating ball bearing guide                                                                     |
| Driver principle                         | Positive locking (slot)                                                                              |
| Position sensing                         | For proximity sensor                                                                                 |
| 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 as per ISO 8573-1:2010 [7:-:-]                                                        |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)                                   |
| 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 6 bar, retracting   | 3016 N                                                                                               |
| Theoretical force at 6 bar, advancing    | 3016 N                                                                                               |
| Moving mass                              | 12500 g                                                                                              |
| Moving mass at 0 mm stroke               | 12500 g                                                                                              |
| Additional moving mass per 10 mm stroke  | 270 g                                                                                                |
| Basic weight with 0 mm stroke            | 28700 g                                                                                              |
| Alternative connections                  | See product drawing                                                                                  |
| Pneumatic connection                     | G1/2                                                                                                 |
| Cover material                           | Cast aluminum<br>Coated                                                                              |
| Seals material                           | NBR<br>TPE-U(PU)                                                                                     |
| Housing material                         | Anodized                                                                                             |