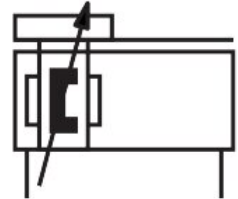


# Linear actuator DGPL-25- -PPV-A-KF-B

Part number: 161792

**FESTO**



## Data sheet

| Feature                                  | Value                                                                                                |
|------------------------------------------|------------------------------------------------------------------------------------------------------|
| Stroke                                   | 10 mm...3000 mm                                                                                      |
| Piston diameter                          | 25 mm                                                                                                |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends<br>Pneumatic shock absorber, hard characteristic curve |
| Mounting position                        | Any                                                                                                  |
| Guide                                    | Recirculating ball bearing                                                                           |
| Driver principle                         | Positive locking (slot)                                                                              |
| Position sensing                         | Via proximity switch                                                                                 |
| Operating pressure                       | 0.2 MPa...0.8 MPa<br>2 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                        | 18 mm                                                                                                |
| Theoretical force at 6 bar, retracting   | 295 N                                                                                                |
| Theoretical force at 6 bar, advancing    | 295 N                                                                                                |
| Moving mass                              | 600 g                                                                                                |
| Moving mass at 0 mm stroke               | 600 g                                                                                                |
| Additional moving mass per 10 mm stroke  | 53 g                                                                                                 |
| Basic weight with 0 mm stroke            | 1520 g                                                                                               |
| Alternative connections                  | See product drawing                                                                                  |
| Pneumatic connection                     | G1/8                                                                                                 |
| Cover material                           | Cast aluminum<br>Coated                                                                              |
| Seals material                           | NBR<br>TPE-U(PU)                                                                                     |
| Housing material                         | Aluminum<br>Anodized                                                                                 |