

# Linear actuator DGPL-32- -

Part number: 175135

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                  | Value                                                                                                |
|------------------------------------------|------------------------------------------------------------------------------------------------------|
| Stroke                                   | 10 mm ... 3000 mm                                                                                    |
| Piston diameter                          | 32 mm                                                                                                |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends<br>Pneumatic shock absorber, hard characteristic curve |
| Mounting position                        | Any                                                                                                  |
| Guide                                    | Sliding guide<br>Basic guide<br>Recirculating ball bearing guide<br>Heavy-duty guide                 |
| Driver principle                         | Positive locking (slot)                                                                              |
| Position sensing                         | For proximity sensor<br>With linear potentiometer attached<br>With integrated linear potentiometer   |
| Variants                                 | Rear clamping unit<br>Clamping unit, underneath<br>Front clamping unit                               |
| Operating pressure                       | 0.2 MPa ... 0.8 MPa                                                                                  |
| Operating pressure                       | 2 bar ... 8 bar                                                                                      |
| Mode of operation                        | Double-acting                                                                                        |
| Explosive ambient temperature            | -10°C ≤ Ta ≤ +60°C                                                                                   |
| 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<br>1 - Low corrosion stress<br>2 - Moderate corrosion stress                 |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                                                    |
| Degree of protection                     | IP65                                                                                                 |
| Ambient temperature                      | -10 °C ... 60 °C                                                                                     |
| Cushioning length                        | 20 mm                                                                                                |
| Theoretical force at 6 bar, retracting   | 483 N                                                                                                |
| Theoretical force at 6 bar, advancing    | 483 N                                                                                                |
| Alternative connections                  | See product drawing                                                                                  |
| Pneumatic connection                     | G1/8                                                                                                 |
| Cover material                           | Cast aluminum<br>Coated                                                                              |
| Seals material                           | NBR<br>TPE-U(PU)                                                                                     |
| Housing material                         | Anodized                                                                                             |