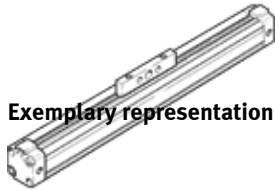


# Linear actuator DGP-40- -

Part number: 175136  
Classic - do not use for new projects

FESTO

Modern alternatives can be found by entering the first four characters of the type code in the search field.



Exemplary representation

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature  | Value   |
|--|---|
| Stroke   | 10 ... 3,000 mm   |
| Piston diameter  | 40 mm   |
| Cushioning   | PPV: Pneumatic cushioning adjustable at both ends<br>YSR: Shock absorber, hard characteristic curve   |
| Assembly position  | Any   |
| Guide  | Plain-bearing guide<br>Basic guide<br>Recirculating ball bearing guide<br>Heavy-duty guide  |
| Driver principle   | positive-locking (slot)   |
| Position detection                                       | For proximity sensor<br>With attached displacement encoder<br>With integrated displacement encoder  |
| Variants   | Supply port on both ends<br>Protected version<br>Standard slide<br>Extended slide<br>Clamping attachment at back<br>Clamping unit, at bottom<br>Clamping attachment, at front |
| Operating pressure MPa                                   | 0.15 ... 0.8 MPa  |
| Working pressure   | 1.5 ... 8 bar   |
| Mode of operation  | double-acting   |
| CE symbol (see declaration of conformity)                | according to EU-Ex protection guideline (ATEX)  |
| UKCA marking (see declaration of conformity)             | To UK EX instructions   |
| ATEX category Gas  | II 2G   |
| Explosion ignition protection type Gas                   | Ex h IIC T4 Gb X  |
| Explosion-proof ambient temperature                      | -10°C ≤ Ta ≤ +60°C  |
| Operating medium   | Compressed air in accordance with ISO8573-1:2010 [7:-:-]  |
| Note on operating and pilot medium                       | Lubricated operation possible (subsequently required for further operation)   |
| Corrosion resistance classification CRC                  | 0 - No corrosion stress<br>1 - Low corrosion stress<br>2 - Moderate corrosion stress  |
| PWIS conformity  | VDMA24364-B1/B2-L   |
| Protection class   | IP65  |
| Ambient temperature                                      | -10 ... 60 °C   |
| Cushioning length  | 30 mm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 754 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 754 N   |
| alternative connections                                  | See product drawing   |

| Feature              | Value                   |
|----------------------|-------------------------|
| Pneumatic connection | G1/4                    |
| Material cover       | Aluminum casting coated |
| Material seals       | NBR<br>TPE-U(PU)        |
| Material housing     | Aluminum<br>Anodized    |