

# linear drive

## DGPL-25-250-PPV-A-B-KF

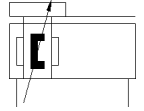
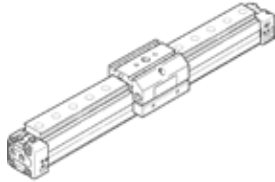
Part number: 526649

Classic - do not use for new projects

For proximity sensing, rodless, with positive-locking connection between piston and driver and adjustable end-position cushioning at both ends.

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

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Stroke   | 250 mm  |
| Piston diameter  | 25 mm   |
| Cushioning   | PPV: Pneumatic cushioning adjustable at both ends<br>YXR: Shock absorber, hard characteristic curve |
| Assembly position  | Any   |
| Guide  | Recirculating ball bearing guide  |
| Driver principle   | positive-locking (slot)   |
| Position detection                                       | For proximity sensor  |
| Operating pressure MPa                                   | 0.2 ... 0.8 MPa   |
| Operating pressure                                       | 2 ... 8 bar   |
| Mode of operation  | double-acting   |
| 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   |
| PWIS conformity  | VDMA24364-B1/B2-L   |
| Ambient temperature                                      | -10 ... 60 °C   |
| Cushioning length  | 18 mm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 295 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 295 N   |
| Moving mass  | 600 g   |
| Moving mass with 0 mm stroke                             | 600 g   |
| Additional mass factor per 10 mm of stroke               | 53 g  |
| Basic weight for 0 mm stroke                             | 1,520 g   |
| alternative connections                                  | See product drawing   |
| Pneumatic connection                                     | G1/8  |
| Material cover   | Aluminium casting<br>coated   |
| Material seals   | NBR<br>TPE-U(PU)  |
| Material housing   | Aluminium<br>Anodised   |