# Linear drive
# DGC-25- -

Part number: 532447



## Data sheet

| Feature | Value |
|---|---|
| Stroke | 1 mm...8500 mm |
| Piston diameter | 25 mm |
| Cushioning | Elastic cushioning rings/plates at both ends<br>Pneumatic cushioning, adjustable at both ends<br>Shock absorber, hard characteristic curve<br>Shock absorber, soft characteristic curve |
| Mounting position | Any |
| Guide | Plain-bearing guide<br>Basic Guide<br>Recirculating ball bearing guide |
| Position detection | Via proximity switch |
| Variants | Axis clamping unit<br>Protected recirculating ball bearing guide<br>Additional slide, standard, on left<br>Additional slide, standard, on right |
| Operating pressure | 0.2 MPa...0.8 MPa<br>2 bar...8 bar |
| Mode of operation | Double-acting |
| CE mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| Explosion protection certification outside the EU | EPL Dc (GB)<br>EPL Gb (GB) |
| Explosion protection | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 22 (ATEX)<br>Zone 22 (UKEX) |
| ATEX category gas | II 2G |
| ATEX category dust | II 3D |
| Explosion ignition protection type for gas | Ex h IIC T4 Gb X |
| Explosion ignition protection type for dust | Ex h IIIC T120°C Dc X |
| Explosion ambient temperature | -10°C <= Ta <= +60°C |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:-:-] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 0 - No corrosion stress |

| Feature | Value |
|---|---|
| | 1 - Low corrosion stress<br>2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Suitable for use with food | See supplementary material information |
| Ambient temperature | -10 °C...60 °C |
| Cushioning length | 15.5 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 295 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 295 N |
| alternative connections | See product drawing |
| Type of mounting | With accessories |
| Pneumatic connection, clamping unit | M5 |
| Note on materials | RoHS compliant |
| Material cover | Wrought aluminium alloy |
| Material seals | NBR<br>TPE-U(PU) |