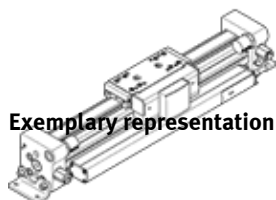


# linear drive

## DGCI-25- -

Part number: 544426

With recirculating ball bearing guide and attached displacement encoder.



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	100 ... 2,000 mm
Stroke servopneumatic positioning	100 ... 2,000 mm
Stroke Soft Stop	100 ... 2,000 mm
Stroke shortening in the end-positions	25 mm
Smallest positioning stroke	3% of max. stroke However, not more than 20 mm
Piston diameter	25 mm
Cushioning	YXR: Shock absorber, hard characteristic curve YSRW: Shock absorber, soft characteristic curve
Assembly position	Any
Guide	Recirculating ball bearing guide
Position detection	With attached displacement encoder
Variants	Axis clamping unit protected recirculating ball bearing guide Additional slide, on left as standard Additional slide, on right as standard
Operating pressure MPa	0.2 ... 0.8 MPa
Operating pressure	2 ... 8 bar 29 ... 116 psi
Mode of operation	double-acting
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive explosion protection (ATEX) in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK EX instructions To UK RoHS instructions
Explosion protection certification outside the EU	EPL Dc (GB) EPL Gc (GB)
ATEX category Gas	II 3G
ATEX category Dust	II 3D
Explosion ignition protection type Gas	Ex ec IIC T4 Gc X
Explosion ignition protection type Dust	Ex tc IIIC T120°C Dc X
Explosion-proof ambient temperature	0°C ≤ Ta ≤ +50°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [6:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance classification CRC	0 - No corrosion stress 1 - Low corrosion stress 2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Food-safe	See Supplementary material information
Ambient temperature	-10 ... 60 °C

Feature	Value
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
alternative connections	See product drawing
Mounting type	with accessories
Pneumatic connection	G1/8
Pneumatic port on clamping unit	M5
Material cover	Wrought Aluminium alloy
Material seals	NBR TPE-U(PU)