

Guided drive DGRF-C-GF-63- -

Part number: 562221

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 400 mm
Piston diameter	63 mm
Operating mode, drive unit	Yoke
Cushioning	Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Guide	Plain-bearing guide
Design	Guidance
Position detection	Via proximity switch
Variants	For unlubricated operation
Operating pressure	0.15 MPa ... 1.2 MPa
Operating pressure	1.5 bar ... 12 bar
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	3 - high corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitable for use with food	See supplementary material information
Ambient temperature	-20 °C ... 80 °C
Impact energy in end positions	1.3 J
Cushioning length	22 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1682 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1870 N
Torsional backlash	0.061 deg
Moving mass for 0 mm stroke	2114 g
Additional moving mass per 10 mm stroke	101.7 g
Basic weight for 0 mm stroke	6405 g
Additional weight per 10 mm stroke	142.8 g
Type of mounting	Either: With through-hole Via female thread
Pneumatic connection	G3/8
Note on materials	RoHS-compliant
Material cover	Die-cast aluminium Coated

Feature	Value
Material guide rod	High-alloy stainless steel
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel
Material cylinder barrel	Wrought aluminium alloy