

# Guided drive DGRF-C-GF-50- -

Part number: 562220

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 400 mm
Piston diameter	50 mm
Operating mode, drive unit	Yoke
Cushioning	Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends
Mounting position	Any
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 J
Cushioning length	22 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	990 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Torsional backlash	0.069 deg
Moving mass for 0 mm stroke	1792 g
Additional moving mass per 10 mm stroke	101.7 g
Basic weight for 0 mm stroke	4797 g
Additional weight per 10 mm stroke	136.6 g
Type of mounting	With through-hole With female thread
Pneumatic connection	G1/4
Note on materials	RoHS compliant
Material cover	Die-cast aluminium coated
Material guide rod	High-alloy stainless steel

<b>Feature</b>	<b>Value</b>
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel
Material cylinder barrel	Wrought aluminium alloy