

# Guided drive DGRC-GF-50- -PA

Part number: 8225642

**FESTO**



## Data sheet

Feature	Value
Distance from centre of gravity of load to yoke plate xs	50 mm
Stroke	5 mm...100 mm
Piston diameter	50 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Guide	Plain-bearing guide
Design	Guidance
Position detection	Via proximity switch
Protection against torque/guide	Guide rod with yoke
Operating pressure	0.15 MPa...1 MPa 1.5 bar...10 bar
Max. speed	0.6 m/s
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	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni
Ambient temperature	-10 °C...60 °C
Impact energy in end positions	1 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1057 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Torsional backlash	0.035 deg
Product weight	1621.7 g...3042 g
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	NBR

Feature	Value
Material dynamic seals	TPE-U(PU)
Material end plate	Anodised wrought aluminium alloy
Material guide rod	High-alloy steel
Material housing	Anodised wrought aluminium alloy
Material piston rod	High-alloy steel