

# Guided drive DGRC-GF-50- -PA

Part number: 8225642

**FESTO**



## Data sheet

Feature	Value
Distance of centre of gravity of payload to yoke plate xs	50 mm
Stroke	5 mm...100 mm
Piston diameter	50 mm
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Guide	Sliding guide
Structural design	Guide
Position sensing	For proximity sensor
Protection against torsion/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 as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
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 in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni
Ambient temperature	-10 °C...60 °C
Impact energy in the end positions	1 Nm
Theoretical force at 6 bar, retracting	1057 N
Theoretical force at 6 bar, advancing	1178 N
Torsional backlash	0.035 deg
Product weight	1621.7 g...3042 g
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	NBR
Material of dynamic seals	TPE-U(PU)

Feature	Value
End plate material	Wrought aluminum alloy, anodized
Guide rod material	High-alloy steel
Housing material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy steel