

mini guided drive

DFC-6-20-P-A-GF

Part number: 189458

FESTO

For position sensing with plain-bearing guide.
Sensor bracket is included in scope of delivery



Data sheet

Feature	Value
Centre of gravity distance from working load to yoke plate	10 mm
Stroke	20 mm
Piston diameter	6 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Plain-bearing guide
Design structure	Guide
Position detection	For proximity sensor
Operating pressure	1.5 ... 10 bar
Max. speed	1 m/s
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Ambient temperature	-5 ... 60 °C
Impact energy in end positions	0.008 Nm
Max. torque M _x	0.1 Nm
Max. useful load as a function of the stroke at defined distance x _s	4.8 N
Theoretical force at 6 bar, return stroke	12.5 N
Theoretical force at 6 bar, advance stroke	17 N
Moving mass	8.8 g
Moving mass with 0 mm stroke	8.8 g
Product weight	44 g
Additional mass factor per 10 mm of stroke	2.8 g
Pneumatic connection	M3
Material cover	Wrought Aluminium alloy
Material seals	NBR
Material housing	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive