

mini guided drive

DFC-6-5-P-A-KF

Part number: 189461

FESTO

For position sensing with ball 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	5 mm
Piston diameter	6 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Guide
Position detection	For proximity sensor
Operating pressure MPa	0.15 ... 1 MPa
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	0 - No corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-5 ... 60 °C
Impact energy in end positions	0.008 Nm
Max. torque Mx	0.1 Nm
Max. useful load as a function of the stroke at defined distance xs	4.6 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	12.5 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	17 N
Moving mass	8.8 g
Moving mass with 0 mm stroke	8.8 g
Additional mass factor per 10 mm of stroke	2.8 g
Product weight	28 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