

# Mini guided drive

## DFC-6-25-P-A-KF

Part number: 189465

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	25 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
Working 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	49 g
Pneumatic connection	M3
Material cover	Wrought Aluminum alloy
Material seals	NBR
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive