

Mini guided drive DFC-6-5-P-A-KF

Part number: 189461

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Distance from centre of gravity of load to yoke plate xs	10 mm
Stroke	5 mm
Piston diameter	6 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Guidance
Position detection	Via proximity switch
Symbol	00991737
Operating pressure	0.15 MPa ... 1 MPa
Operating pressure	1.5 bar ... 10 bar
Max. speed	1 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-B2-L
Ambient temperature	-5 °C ... 60 °C
Impact energy in end positions	0.008 J
Max. moment Mx	0.1 Nm
Max. effective load dependent upon stroke at defined distance xs	4.6 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	12.5 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	17 N
Torsional backlash	0.05 deg
Moving mass	8.8 g
Moving mass for 0 mm stroke	8.8 g
Additional moving mass per 10 mm 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 stainless steel