

Guided actuator DFM-10-5-P-A-GF

Part number: 4154768

FESTO



Data sheet

Feature	Value
Distance of centre of gravity of payload to yoke plate x_s	10 mm
Max. permissible torque load M_x as a function of the stroke	0.057 Nm
Stroke	5 mm
Piston diameter	10 mm
Type code	DFM
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Guide	Sliding guide
Design	Guide
Position sensing	For proximity sensor
Symbol	00991737
Operating pressure	1.5 bar ... 8 bar
Max. speed	1.7 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)	1 - Low corrosion stress
Ambient temperature	-10 °C ... 60 °C
Impact energy in the end positions	0.035 J
Max. payload as a function of the stroke at defined distance x_s	3.7 N
Theoretical force at 6 bar, retracting	47 N
Theoretical force at 6 bar, advancing	68 N
Torsional backlash	0.1 deg
Moving mass	10 g
Product weight	38 g
Pneumatic connection	M3
Note on materials	RoHS-compliant
Cover material	High-alloy stainless steel
Seals material	NBR
Material of dynamic seals	HNBR
End plate material	Wrought aluminum alloy, anodized
Guide rod material	High-alloy stainless steel
Housing material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy stainless steel