

Guided drive DFM-10-20-P-A-GF

Part number: 4154799

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Distance from centre of gravity of load to yoke plate xs	10 mm
Stroke	20 mm
Piston diameter	10 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Guide	Plain-bearing guide
Design	Guidance
Position detection	Via proximity switch
Symbol	00991737
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 bar ... 8 bar
Max. speed	1.7 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	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C ... 60 °C
Impact energy in end positions	0.035 J
Max. permissible torque load Mx as a function of stroke	0.034 Nm
Max. effective load dependent upon stroke at defined distance xs	2 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	40 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	47 N
Torsional backlash	0.1 deg
Moving mass	21 g
Product weight	60.5 g
Pneumatic connection	M3
Note on materials	RoHS compliant
Material cover	High-alloy stainless steel
Material seals	NBR
Material dynamic seals	HNBR
Material end plate	Anodised wrought aluminium alloy
Material guide rod	High-alloy stainless steel

Feature	Value
Material housing	Anodised wrought aluminium alloy
Material piston rod	High-alloy stainless steel