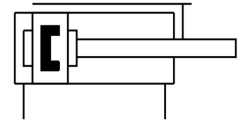


Guided drive DFM-25-100-P-A-KF

Part number: 170928

FESTO



Data sheet

Feature	Value
Distance from centre of gravity of load to yoke plate x_s	50 mm
Stroke	100 mm
Piston diameter	25 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
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	0.8 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-B1/B2-L
Ambient temperature	-5 °C ... 60 °C
Impact energy in end positions	0.3 J
Max. force F_y	863 N
Max. force F_y static	1060 N
Max. force F_z	863 N
Max. force F_z static	1060 N
Max. moment M_x	29.35 Nm
Max. torque M_x static	36.04 Nm
Max. moment M_y	16.83 Nm
Max. torque M_y static	20.67 Nm
Max. moment M_z	16.83 Nm
Max. torque M_z static	20.67 Nm
Max. permissible torque load M_x as a function of stroke	3.81 Nm
Max. effective load dependent upon stroke at defined distance x_s	86 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	247 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	295 N
Moving mass	863 g

Feature	Value
Product weight	2080 g
Centre of gravity of moving mass as a function of stroke	59.4 mm
alternative connections	See product drawing
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	NBR
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel