

Guided drive DFM-63-25-P-A-KF

Part number: 170953

FESTO



Data sheet

Feature	Value
Distance of centre of gravity of payload to yoke plate xs	50 mm
Stroke	25 mm
Piston diameter	63 mm
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Guide	Recirculating ball bearing
Structural design	Guide
Position sensing	Via proximity switch
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Max. speed	0.6 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)	0 - No 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	-5 °C...60 °C
Impact energy in the end positions	1.3 Nm
Max. force Fy	1487 N
Max. force Fy static	1600 N
Max. force Fz	1487 N
Max. force Fz static	1600 N
Max. torque Mx	92.97 Nm
Max. static moment Mx	100 Nm
Max. torque My	31.98 Nm
Max. static moment My	34.4 Nm
Max. torque Mz	31.98 Nm
Max. static moment Mz	34.4 Nm
Max. permissible torque load Mx as a function of the stroke	21.98 Nm
Max. payload as a function of the stroke at defined distance xs	235 N

Feature	Value
Theoretical force at 6 bar, retracting	1750 N
Theoretical force at 6 bar, advancing	1870 N
Moving mass	2241 g
Product weight	4242 g
Center of gravity of the moving mass as a function of the stroke	27.8 mm
Alternative connections	See product drawing
Pneumatic connection	G1/4
Note on materials	RoHS compliant
Cover material	Wrought aluminum alloy
Seals material	NBR
Housing material	Wrought aluminum alloy
Piston rod material	high-alloy stainless steel