

Guided actuator DFM-63-100-P-A-KF

Part number: 170956

FESTO



Data sheet

Feature	Value
Distance of centre of gravity of payload to yoke plate xs	50 mm
Max. static moment Mx	100 Nm
Max. static moment My	51.2 Nm
Max. permissible torque load Mx as a function of the stroke	16.77 Nm
Max. force Fz static	1600 N
Max. force Fy static	1600 N
Center of gravity of the moving mass as a function of the stroke	59.4 mm
Max. static moment Mz	51.2 Nm
Max. force Fy	1487 N
Max. force Fz	1487 N
Max. torque My	47.58 Nm
Max. torque Mz	47.58 Nm
Stroke	100 mm
Piston diameter	63 mm
Type code	DFM
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Guide
Position sensing	For proximity sensor
Symbol	00991737
Operating pressure	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
Ambient temperature	-5 °C ... 60 °C
Impact energy in the end positions	1.3 J
Max. torque Mx	92.97 Nm
Max. payload as a function of the stroke at defined distance xs	214 N
Theoretical force at 6 bar, retracting	1750 N
Theoretical force at 6 bar, advancing	1870 N
Moving mass	2868 g
Product weight	6461 g

Feature	Value
Alternative connections	See product drawing
Pneumatic connection	G1/4
Note on materials	Free of copper and PTFE RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	NBR
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel