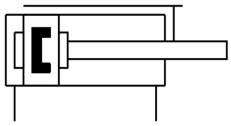
Guided actuator
DFM-40-100-P-A-KF

Part number: 170942





Data sheet

Feature	Value
Distance of centre of gravity of payload to yoke plate xs	50 mm
Max. static moment Mx	55.44 Nm
Max. static moment My	32.13 Nm
Max. permissible torque load Mx as a function of the stroke	7.74 Nm
Max. force Fz static	1260 N
Max. force Fy static	1260 N
Center of gravity of the moving mass as a function of the stroke	62.1 mm
Max. static moment Mz	32.13 Nm
Max. force Fy	1130 N
Max. force Fz	1130 N
Max. torque My	28.83 Nm
Max. torque Mz	28.83 Nm
Stroke	100 mm
Piston diameter	40 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	1.5 bar ... 10 bar
Max. speed	0.8 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	0.7 J
Max. torque Mx	49.74 Nm
Max. payload as a function of the stroke at defined distance xs	138 N
Theoretical force at 6 bar, retracting	686 N
Theoretical force at 6 bar, advancing	754 N
Moving mass	1433 g
Product weight	3265 g

Feature	Value
Alternative connections	See product drawing
Pneumatic connection	G1/8
Note on materials	RoHS-compliant Free of copper and PTFE
Cover material	Wrought aluminum alloy
Seals material	NBR
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel