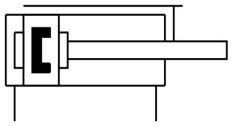
Guided actuator
DFM-12-10-P-A-KF

Part number: 170899





Data sheet

Feature	Value
Distance of centre of gravity of payload to yoke plate xs	25 mm
Max. static moment Mx	7.28 Nm
Max. static moment My	3.2 Nm
Max. permissible torque load Mx as a function of the stroke	0.88 Nm
Max. force Fz static	355 N
Max. force Fy static	355 N
Center of gravity of the moving mass as a function of the stroke	13.6 mm
Max. static moment Mz	3.2 Nm
Max. force Fy	193 N
Max. force Fz	193 N
Max. torque My	1.74 Nm
Max. torque Mz	1.74 Nm
Stroke	10 mm
Piston diameter	12 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	2 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	0.07 J
Max. torque Mx	3.95 Nm
Max. payload as a function of the stroke at defined distance xs	28 N
Theoretical force at 6 bar, retracting	51 N
Theoretical force at 6 bar, advancing	68 N
Moving mass	155 g
Product weight	314 g

Feature	Value
Alternative connections	See product drawing
Pneumatic connection	M5
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