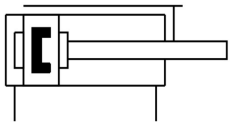
Guided actuator
DFM-25-50-P-A-KF

Part number: 170926



Data sheet

Feature	Value
Distance of centre of gravity of payload to yoke plate xs	50 mm
Max. static moment Mx	36.04 Nm
Max. static moment My	20.67 Nm
Max. permissible torque load Mx as a function of the stroke	5.43 Nm
Max. force Fz static	1060 N
Max. force Fy static	1060 N
Center of gravity of the moving mass as a function of the stroke	38.8 mm
Max. static moment Mz	20.67 Nm
Max. force Fy	863 N
Max. force Fz	863 N
Max. torque My	16.83 Nm
Max. torque Mz	16.83 Nm
Stroke	50 mm
Piston diameter	25 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	0.3 J
Max. torque Mx	29.35 Nm
Max. payload as a function of the stroke at defined distance xs	112 N
Theoretical force at 6 bar, retracting	247 N
Theoretical force at 6 bar, advancing	295 N
Moving mass	711 g
Product weight	1524 g

Feature	Value
Alternative connections	See product drawing
Pneumatic connection	G1/8
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