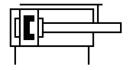
Guided actuators DFM-20-40-P-A-GF-F1A Part number: 8118846

FESTO





General operating condition

Data sheet

Distance of centre of gravity of payload to yoke plate xs Stroke A0 mm Piston diameter Drive unit operating mode Cushioning Elastic cushioning rings/pads at both of Elastic cushioning rings/pads at both of Mounting position Any Guide Structural design Guide Structural design Position sensing Symbol Oosp97737 Variants Metals with copper, zinc or nickel by mextuded from use. Exceptions are nick plated surfaces, printed circuit boards, and coils. Operating pressure O.2 MPa 1 MPa Operating pressure Operating medium Operating medium Operating medium Compressed air as per ISO 8573-1:201 Information on operating and pilot media Operation resistance class (CRC) LABS (PWIS) conformity VDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of air excluded from use. Exceptions are plated surfaces, printed circuit boards, and coils Cleanroom class Ambient temperature Impact energy in the end positions O.2 J Max. force Fy Max. force Fy Max. force Fy static Max. force Fy static Max. force Fz static Max. force Fz static Max. force Fz static Max. torque Mx Max. storque Mx Max. storque My 16.31 Nm	
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Max. static moment My 16.31 Nm	

Feature	Value
Max. torque Mz	16.31 Nm
Max. static moment Mz	16.31 Nm
Max. permissible torque load Mx as a function of the stroke	4.21 Nm
Max. payload as a function of the stroke at defined distance xs	110 N
Theoretical force at 6 bar, retracting	141 N
Theoretical force at 6 bar, advancing	188 N
Moving mass	552 g
Product weight	1070 g
Alternative connections	See product drawing
Pneumatic connection	M5
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