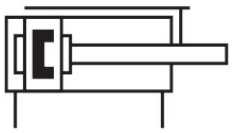
Guided drive
DFM-10-15-P-A-GF

Part number: 4154770



Data sheet

Feature	Value
Distance of centre of gravity of payload to yoke plate xs	10 mm
Stroke	15 mm
Piston diameter	10 mm
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Guide	Plain-bearing guide
Structural design	Guide
Position sensing	Via proximity switch
Operating pressure	0.15 MPa...0.8 MPa 1.5 bar...8 bar
Max. speed	1.7 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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C...60 °C
Impact energy in the end positions	0.035 Nm
Max. permissible torque load Mx as a function of the stroke	0.039 Nm
Max. payload as a function of the stroke at defined distance xs	2.4 N
Theoretical force at 6 bar, retracting	40 N
Theoretical force at 6 bar, advancing	47 N
Torsional backlash	0.1 deg
Moving mass	18.5 g
Product weight	53.5 g
Pneumatic connection	M3
Note on materials	RoHS compliant
Cover material	high-alloy stainless steel
Seals material	NBR
Material of dynamic seals	HNBR

Feature	Value
End plate material	Wrought aluminum alloy, anodized
Guide rod material	high-alloy stainless steel
Housing material	Wrought aluminum alloy, anodized
Piston rod material	high-alloy stainless steel