

Guided Drive DFM-6-20-P-A-GF - Festo 4149947

Item no. FES-4149947

Manufacturer Festo

EAN 4052568418038

Festo pneumatic cylinder for precise linear motion and defined force in automation.

TECHNICAL DATA

Betriebsdruck max [bar]	8.000000
Bohrung (mm)	6.000000
Corrosion resistance class CRC	1 - low corrosion stress
Cushioning	P: Elastic silencer rings / plates double-sided
Design	Guide
Dichtmaterial	NBR
Funktion	doppeltwirkend
HS-Code	84123100
Hub [mm]	20.000000
Medium	Druckluft
Mounting position	arbitrary
Pneumatischer Anschluss	M3
Position sensing	Yes
Serie	DFM
Temperature (max.)	60
Weight	0.046 kg
Werkstoff	Aluminium



STANDARDS & COMPLIANCE

ISO 8573-1:2010

DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

Centre of mass distance of payload to Joch plate [mm]	10
Stroke [mm]	20
Piston diameter	6 mm
Operating mode actuator unit	Joch
Dampening	P: Elastic silencer rings / plates double-sided
installation position	arbitrary
Guide	sliding guide

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Construction set up	Guide
Position detection	For proximity switch
Operating pressure [bar]	2 to 8
Max. speed [m/s]	1,3
Principle of operation	double acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Corrosion resistant class KBK	1 - low corrosion stress
ambient temperature [°C]	-10 to 60
Impact energy at the end positions [J]	0,012
Max. permitted moment load Mx depending on stroke [Nm]	0,006
Max. usable load depending on the stroke at a defined distance xs [N]	0,50
Theoretical force at 6 bar, Return flow [N]	13
Theoretical force at 6 bar, flow [N]	17
Moving mass [g]	13,0
Product weight [g]	45,0
Pneumatic connection	M3
Material information	RoHs compliant
Cover material	High-alloyed stainless steels
Seals material	NBR
Housing material	Aluminium wrought alloy, anodised
Piston rod material	High-alloyed stainless steels
Torsional play [deg]	0,1
Dynamic seals material	HNBR
End plate material	Aluminium wrought alloy, anodised
Werkstoff Führungsstange	High-alloyed stainless steels