

Guided Drive DFM-16-20-P-A-KF - Festo 170908

Item no. FES-170908

Manufacturer Festo

EAN 4052568013448

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

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Bore (mm)	16.000000
Corrosion resistance class CRC	0 - No corrosion stressing
Cushioning	P: Elastic silencer rings / plates double-sided
Design	Guide
Dichtmaterial	NBR
Funktion	double-acting
HS-Code	84123100
Hub [mm]	20
Material	Aluminium
Medium	Compressed air
Mounting position	arbitrary
Operating conditions	ISO 8573-1
Pneumatic connection	M5
Position sensing	Yes
Series	DFM
Temperature (max.)	60
Weight	0.48 kg



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]	50
Stroke [mm]	20
Piston diameter	16 mm
Operating mode actuator unit	Joch
Dampening	P: Elastic silencer rings / plates double-sided
installation position	arbitrary

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Guide	ball guide
Construction set up	Guide
Position detection	For proximity switch
Operating pressure [bar]	2 to 10
Max. speed [m/s]	0,8
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	0 - No corrosion stressing
ambient temperature [°C]	-5 to 60
Impact energy at the end positions [J]	0,150
Max. permitted moment load Mx depending on stroke [Nm]	1,790
Max. usable load depending on the stroke at a defined distance xs [N]	41,00
Theoretical force at 6 bar, Return flow [N]	90
Theoretical force at 6 bar, flow [N]	121
Moving mass [g]	229,0
Product weight [g]	484,0
Alternative connections	See product drawing
Pneumatic connection	M5
Material information	Copper and PTFE-free RoHs compliant
Cover material	Aluminium wrought alloy
Seals material	NBR
Housing material	Aluminium wrought alloy
Piston rod material	High-alloyed stainless steels
Max. force Fy [N]	389
Max. force Fy static [N]	415
Max. force Fz [N]	389
Max. force Fz static [N]	415
Max. torque Mx [Nm]	8,95
Max. torque Mx static [Nm]	9,55
Max. torque My [Nm]	3,89
Max. torque My static [Nm]	4,15
Max. torque Mz [Nm]	3,89
Max. torque Mz static [Nm]	4,15

Centre of mass of the moved mass depending on stroke 16,5
[mm]
