

Guide cylinder

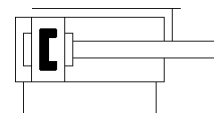
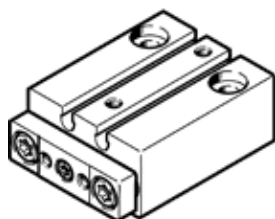
DFM-6-20-P-A-GF

Part number: 4149947

FESTO

With integral guide.

The proximity switch, type SMTSO-8E, can be used with this product with stroke lengths of 20 to 40 mm only when the corresponding mounting kit, type SMB-8E, is mounted outwardly.



Data sheet

Feature	Value
Centre of gravity distance from working load to yoke plate	10 mm
Stroke	20 mm
Piston diameter	6 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Plain-bearing guide
Design structure	Guide
Position detection	For proximity sensor
Operating pressure MPa	0.2 ... 0.8 MPa
Working pressure	2 ... 8 bar
Max. speed	1.3 m/s
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	0.012 Nm
Max. permissible torque load Mx as a function of the stroke	0.006 Nm
Max. useful load as a function of the stroke at defined distance xs	0.5 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	13 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	17 N
Torsional backlash	0.1 deg
Moving mass	13 g
Product weight	45 g
Pneumatic connection	M3
Materials note	Conforms to RoHS
Material cover	High alloy steel, non-corrosive
Material seals	NBR
Material of dynamic seals	HNBR
Material end plate	Anodised wrought aluminium alloy
Material guide rod	High alloy steel, non-corrosive
Material housing	Anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive