

Guide cylinder

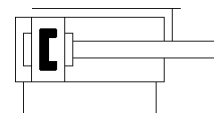
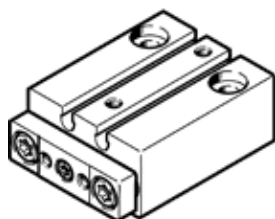
DFM-10-20-P-A-GF

Part number: 4154799

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	10 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	0.15 ... 0.8 MPa
Working pressure	1.5 ... 8 bar
Max. speed	1.7 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	0.035 Nm
Max. permissible torque load Mx as a function of the stroke	0.034 Nm
Max. useful load as a function of the stroke at defined distance xs	2 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	40 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	47 N
Torsional backlash	0.1 deg
Moving mass	21 g
Product weight	60.5 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