

# Guide cylinder

## DFM-20-100-B-PPV-A-KF

Part number: 559481

FESTO

The proximity switch, type SMTSO-8E, can be used with this product with stroke lengths equal to or greater than 50 mm. The corresponding mounting kit, type SMB-8E, is mounted inwardly or outwardly.



## Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	20 mm
Operating mode of drive unit	Yoke
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Guide
Position detection	For proximity sensor
Operating pressure MPa	0.2 ... 1 MPa
Working pressure	2 ... 10 bar
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	0 - No corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-5 ... 60 °C
Impact energy in end positions	0.2 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	141 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	188 N
alternative connections	See product drawing
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material seals	NBR
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive