

# Guide cylinder

## DFM-50-100-B-PPV-A-KF

Part number: 8161450

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	50 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	0.1 ... 1 MPa
Working pressure	1 ... 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	1 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	1,057 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,178 N
alternative connections	See product drawing
Pneumatic connection	G1/4
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