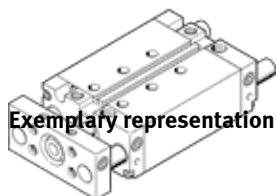


# Guide cylinder DFM-50- -B

Part number: 534769

FESTO

With integral guide.



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	25 ... 400 mm
Piston diameter	50 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends PPV: Pneumatic cushioning adjustable at both ends YSRW: Shock absorber, soft characteristic curve
Assembly position	Any
Guide	Plain-bearing guide Recirculating ball bearing guide
Design structure	Guide
Position detection	For proximity sensor
Variants	Heat resistant seals, max. 120°C
Operating pressure MPa	0.1 ... 1 MPa
Working pressure	1 ... 10 bar
Mode of operation	double-acting
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category Gas	II 2G
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +70°C
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 2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 120 °C
Impact energy in end positions	0.5 ... 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