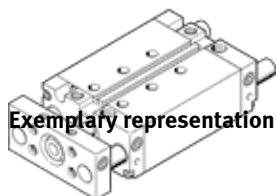


# guided drive DFM-50- -B

Part number: 534769

FESTO

With integrated 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
Operating pressure	1 ... 10 bar
Mode of operation	double-acting
CE mark (see declaration of conformity)	to EU directive explosion protection (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 Aluminium alloy
Material seals	NBR
Material housing	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive