

# Guided actuator DFM-50- -B

Part number: 534769

**FESTO**



## Data sheet

Feature	Value
Stroke	25 mm...400 mm
Piston diameter	50 mm
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends Pneumatic shock absorber, soft characteristic curve
Mounting position	Any
Guide	Sliding guide Recirculating ball bearing guide
Structural design	Guide
Position sensing	For proximity sensor
Variants	Heat-resistant seals max. 120°C
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Mode of operation	Double-acting
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX)
ATEX category gas	II 2G
Type of ignition protection for gas	Ex h IIC T4 Gb
Explosive ambient temperature	-20°C ≤ Ta ≤ +70°C
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	0 - No corrosion stress 2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...120 °C
Impact energy in the end positions	0.5 J...1 J
Theoretical force at 6 bar, retracting	1057 N
Theoretical force at 6 bar, advancing	1178 N
Alternative connections	See product drawing
Pneumatic connection	G1/4

Feature	Value
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	NBR
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel