

Guided drive 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	Plain-bearing guide Recirculating ball bearing
Structural design	Guide
Position sensing	Via proximity switch
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