

Guided actuator DFM-20- -B

Part number: 532316

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	20 mm ... 400 mm
Piston diameter	20 mm
Type code	DFM-B
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
Design	Guide
Position sensing	For proximity sensor
Variants	Heat-resistant seals max. 120°C
Operating pressure	0.2 MPa ... 1 MPa
Operating pressure	2 bar ... 10 bar
Mode of operation	Double-acting
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
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
Ambient temperature	-20 °C ... 120 °C
Impact energy in the end positions	0.1 J ... 0.2 J
Theoretical force at 6 bar, retracting	141 N
Theoretical force at 6 bar, advancing	188 N
Alternative connections	See product drawing
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	NBR
Housing material	Wrought aluminum alloy

Feature	Value
Piston rod material	High-alloy stainless steel