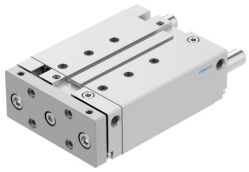
Guided drive
DFM-50-100-B-PPV-A-KF

Part number: 8161450



Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	50 mm
Drive unit operating mode	Yoke
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Guide	Recirculating ball bearing
Structural design	Guide
Position sensing	Via proximity switch
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Mode of operation	Double-acting
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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-5 °C...60 °C
Impact energy in the end positions	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
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