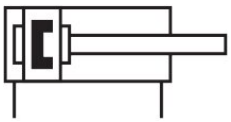
Flat cylinder
DZF-12-50-P-A

Part number: 164006





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	12 mm Equivalent diameter
Piston rod thread	M3
Max. angle of rotation of the piston rod +/-	2.5 deg
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod
Position sensing	Via proximity switch
Variants	Piston rod at one end
Protection against torsion/guide	Oval piston
Operating pressure	0.16 MPa...1 MPa 1.6 bar...10 bar
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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	0.09 J
Max. torque for protection against rotation	0.1 Nm
Theoretical force at 6 bar, retracting	51 N
Theoretical force at 6 bar, advancing	68 N
Moving mass at 0 mm stroke	12 g
Additional moving mass per 10 mm stroke	2 g
Additional weight per 10 mm stroke	9 g
Basic weight with 0 mm stroke	96 g
Type of mounting	Alternatively: With internal thread With accessories
Pneumatic connection	M5
Cover material	Wrought aluminum alloy

Feature	Value
Seals material	NBR TPE-U(PU)
Housing material	Wrought aluminum alloy, anodized
Piston seal material	NBR
Piston rod material	high-alloy stainless steel