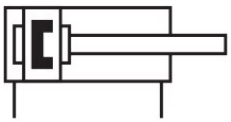
Flat cylinder
DZF-40-50-A-P-A

Part number: 161281





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	40 mm Equivalent diameter
Piston rod thread	M12x1.25
Max. angle of rotation of the piston rod +/-	0.6 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	0.1 MPa...1 MPa 1 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	0.52 J
Max. torque for protection against rotation	1 Nm
Theoretical force at 6 bar, retracting	633 N
Theoretical force at 6 bar, advancing	754 N
Moving mass at 0 mm stroke	120 g
Additional moving mass per 10 mm stroke	16 g
Additional weight per 10 mm stroke	40 g
Basic weight with 0 mm stroke	480 g
Type of mounting	Alternatively: With internal thread With accessories
Pneumatic connection	G1/8
Cover material	Die-cast aluminum

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