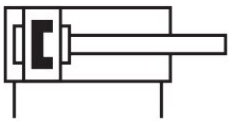
Flat cylinder
DZF-25-100-P-A

Part number: 164032





Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	25 mm Equivalent diameter
Piston rod thread	M5
Torsional backlash at piston rod +/-	1 deg
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod
Position detection	Via proximity switch
Variants	Piston rod at one end
Protection against torque/guide	Oval piston
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	0.1 J
Max. torque for protection against torsion	0.5 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	247 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	295 N
Moving mass for 0 mm stroke	40 g
Additional moving mass per 10 mm stroke	6 g
Additional weight per 10 mm stroke	18 g
Basic weight for 0 mm stroke	168 g
Type of mounting	Either: Via female thread With accessories
Pneumatic connection	M5

Feature	Value
Material cover	Die-cast aluminium
Material seals	HNBR TPE-U(PU)
Material housing	Anodised wrought aluminium alloy
Material piston seal	NBR
Material piston rod	High-alloy stainless steel