

# Flat cylinder DZF-32- -P-A-S6

Part number: 164038

FESTO



## Data sheet

Feature	Value
Stroke	1 mm...320 mm
Piston diameter	32 mm Equivalent diameter
Piston rod thread	M6
Torsional backlash at piston rod +/-	0.8 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	Heat-resistant seals max. 120°C
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	0 °C...120 °C
Impact energy in end positions	0.2 J
Max. torque for protection against torsion	0.8 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	415 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	483 N
Moving mass for 0 mm stroke	65 g
Additional moving mass per 10 mm stroke	9 g
Additional weight per 10 mm stroke	24 g
Basic weight for 0 mm stroke	272 g
Type of mounting	Via female thread With accessories Either:
Pneumatic connection	G1/8

Feature	Value
Material cover	Die-cast aluminium
Material seals	FPM HNBR
Material housing	Anodised wrought aluminium alloy
Material piston seal	HNBR
Material piston rod	High-alloy steel