

# Flat cylinder DZF-18- -P-A-S6

Part number: 164014

FESTO



## Data sheet

Feature	Value
Stroke	1 mm...200 mm
Piston diameter	18 mm Equivalent diameter
Torsional backlash at piston rod +/-	1.2 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
Max. torque for protection against torsion	0.2 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	123 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	153 N
Moving mass for 0 mm stroke	24 g
Additional moving mass per 10 mm stroke	4 g
Additional weight per 10 mm stroke	13 g
Basic weight for 0 mm stroke	107 g
Type of mounting	Either: Via female thread With accessories
Pneumatic connection	M5
Material cover	Wrought aluminium alloy
Material seals	FPM

Feature	Value
Material housing	Aluminium Smooth anodised
Material piston rod	High-alloy stainless steel