

# Flat cylinder DZF-12- -P-A-S6

Part number: 164002

FESTO



## Data sheet

Feature	Value
Stroke	1 mm...200 mm
Piston diameter	12 mm Equivalent diameter
Piston rod thread	M3
Torsional backlash at piston rod +/-	2.5 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	0.16 MPa...1 MPa 1.6 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	0.045 J
Max. torque for protection against torsion	0.1 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	51 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	68 N
Moving mass for 0 mm stroke	12 g
Additional moving mass per 10 mm stroke	2 g
Additional weight per 10 mm stroke	9 g
Basic weight for 0 mm stroke	96 g
Type of mounting	Via female thread With accessories Either:
Pneumatic connection	M5

<b>Feature</b>	<b>Value</b>
Material cover	Wrought aluminium alloy
Material seals	FPM
Material housing	Anodised wrought aluminium alloy
Material piston seal	HNBR
Material piston rod	High-alloy stainless steel