

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

Part number: 161223

FESTO



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 200 mm
Piston diameter	12 mm Equivalent diameter
Piston rod thread	M6
Torsional backlash at piston rod +/-	2.5 deg
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Mode of operation	Double-acting
Design	Piston Piston rod
Position detection	Via proximity switch
Symbol	00991217
Variants	Heat-resistant seals max. 120°C
Protection against torque/guide	Oval piston
Operating pressure	0.16 MPa ... 1 MPa
Operating pressure	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	With female thread With accessories
Pneumatic connection	M5
Material cover	Wrought aluminium alloy
Material seals	Fluoro rubber
Material housing	Anodised wrought aluminium alloy

Feature	Value
Material piston seal	HNBR
Material piston rod	High-alloy stainless steel