

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
Max. angle of rotation of the piston rod +/-	2.5 deg
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod
Position sensing	For proximity sensor
Symbol	00991217
Variants	Heat-resistant seals max. 120°C
Protection against torsion/guide	Oval piston
Operating pressure	0.16 MPa ... 1 MPa
Operating pressure	1.6 bar ... 10 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	0 °C ... 120 °C
Impact energy in the end positions	0.045 J
Max. torque for protection against rotation	0.1 Nm
Theoretical force at 6 bar, retracting	51 N
Theoretical force at 6 bar, advancing	68 N
Moving mass at 0 mm stroke	12 g
Additional moving mass per 10 mm stroke	2 g
Additional weight per 10 mm stroke	9 g
Basic weight with 0 mm stroke	96 g
Type of mounting	With internal thread With accessories
Pneumatic connection	M5
Cover material	Wrought aluminum alloy
Seals material	FPM
Housing material	Wrought aluminum alloy, anodized

Feature	Value
Piston seal material	HNBR
Piston rod material	High-alloy stainless steel