

Flat cylinder DZF-50- -P-A-S6

Part number: 164066

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 320 mm
Piston diameter	50 mm Equivalent diameter
Piston rod thread	M10
Torsional backlash at piston rod +/-	0.5 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	0.1 MPa ... 1 MPa
Operating pressure	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	0.32 J
Max. torque for protection against torsion	1.2 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	990 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Moving mass for 0 mm stroke	219 g
Additional moving mass per 10 mm stroke	25 g
Additional weight per 10 mm stroke	64 g
Basic weight for 0 mm stroke	854 g
Type of mounting	With female thread With accessories
Pneumatic connection	G1/4
Material cover	Die-cast aluminium
Material seals	Fluoro rubber
Material housing	Anodised wrought aluminium alloy

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