

Flat cylinder DZF-40- -P-A-S6

Part number: 164052

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 320 mm
Piston diameter	40 mm Equivalent diameter
Piston rod thread	M8
Max. angle of rotation of the piston rod +/-	0.6 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	0.1 MPa ... 1 MPa
Operating pressure	1 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	0.26 J
Max. torque for protection against rotation	1 Nm
Theoretical force at 6 bar, retracting	633 N
Theoretical force at 6 bar, advancing	754 N
Moving mass at 0 mm stroke	120 g
Additional moving mass per 10 mm stroke	16 g
Additional weight per 10 mm stroke	40 g
Basic weight with 0 mm stroke	480 g
Type of mounting	With internal thread With accessories
Pneumatic connection	G1/8
Cover material	Die-cast aluminum
Seals material	FPM
Housing material	Wrought aluminum alloy, anodized

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