

Flat cylinder DZH-50- -PPV-A-S6

Part number: 16533

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 1000 mm
Piston diameter	50 mm Equivalent diameter
Piston rod thread	M16x1.5
Max. angle of rotation of the piston rod +/-	0.75 deg
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod
Position sensing	For proximity sensor
Symbol	00991235
Variants	Heat-resistant seals max. 120°C
Protection against torsion/guide	Oval piston
Operating pressure	0.06 MPa ... 1 MPa
Operating pressure	0.6 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-B2-L
Ambient temperature	0 °C ... 120 °C
Cushioning length	23 mm
Max. torque for protection against rotation	1.7 Nm
Theoretical force at 6 bar, retracting	989 N
Theoretical force at 6 bar, advancing	1178 N
Moving mass at 0 mm stroke	452 g
Additional moving mass per 10 mm stroke	24.2 g
Additional weight per 10 mm stroke	52.3 g
Basic weight with 0 mm stroke	1289 g
Type of mounting	With internal thread With accessories
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Cover material	Aluminum
Seals material	FPM

Feature	Value
Housing material	Aluminum
Piston seal material	FPM
Piston rod material	High-alloy steel