

Flat cylinder DZH-16-50-PPV-A

Part number: 151147

FESTO



[PDF General operating condition](#)

Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	16 mm Equivalent diameter
Max. angle of rotation of the piston rod +/-	3.1 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
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-B2-L
Ambient temperature	-20 °C ... 80 °C
Cushioning length	14 mm
Max. torque for protection against rotation	0.5 Nm
Theoretical force at 6 bar, retracting	104 N
Theoretical force at 6 bar, advancing	121 N
Additional weight per 10 mm stroke	11 g
Basic weight with 0 mm stroke	140 g
Type of mounting	Optionally: With internal thread With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Aluminum
Seals material	TPE-U(PU)
Housing material	Aluminum
Piston rod material	High-alloy steel