

# Flat cylinder DZH-16-100-PPV-A

Part number: 151149

FESTO

Non-rotating, for proximity sensing, with adjustable cushioning at both ends. Various mounting options, with or without additional mounting components.



## Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	16 mm Equivalent diameter
Max. angular deflection of piston rod +/-	3.1 deg
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Mode of operation	double-acting
Design structure	Piston Piston rod
Position detection	For proximity sensor
Protection against torque/guide	Oval piston
Operating pressure MPa	0.1 ... 1 MPa
Working pressure	1 ... 10 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-20 ... 80 °C
Cushioning length	14 mm
Max. torque for protection against rotation	0.5 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	104 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	121 N
Additional weight per 10 mm stroke	11 g
Basic weight for 0 mm stroke	140 g
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Aluminum
Material seals	TPE-U(PU)
Material housing	Aluminum
Material piston rod	High alloy steel