

Flat cylinder DZH-16-50-PPV-A

Part number: 151147

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	50 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