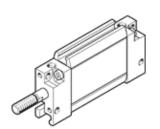
## flat cylinder DZF-12-50-A-P-A Part number: 161227

**FESTO** 

Non-rotating, for position sensing, with elastic cushioning rings in end positions. Various mounting options, with or without additional mounting components.





## **Data sheet**

Feature	Value
Stroke	50 mm
Piston diameter	12 mm
	Equivalent diameter
Max. angular deflection of piston rod +/-	2.5 deg
Cushioning	P: Flexible cushioning rings/plates 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	0.16 1 MPa
Operating pressure	1.6 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-B1/B2-L
Ambient temperature	-20 80 °C
Max. torque for protection against rotation	0.1 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	51 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	68 N
Moving mass with 0 mm stroke	12 g
Additional mass factor per 10 mm of stroke	2 g
Additional weight per 10 mm stroke	9 g
Basic weight for 0 mm stroke	96 g
Mounting type	with internal (female) thread
	with accessories
	Optional
Pneumatic connection	M5
Material cover	Wrought Aluminium alloy
Material seals	NBR
	TPE-U(PU)
Material housing	Aluminium
	Smooth anodised
Material piston rod	High alloy steel, non-corrosive