

# Compact cylinder ADNP-50-50-I-P-A

Part number: 572013  
Product to be discontinued

FESTO

To ISO 21287, for position sensing, with female thread on the piston rod.  
Type to be discontinued. Available until 2017. See Support Portal for alternative products.



## Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	50 mm
Piston rod thread	M10
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Piston-rod end	Female thread
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Working pressure	0.6 ... 10 bar
Mode of operation	double-acting
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
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	0.8 J
Theoretical force at 6 bar, return stroke	1,057 N
Theoretical force at 6 bar, advance stroke	1,178 N
Moving mass with 0 mm stroke	94 g
Additional weight per 10 mm stroke	41 g
Basic weight for 0 mm stroke	380 g
Additional mass factor per 10 mm of stroke	6 g
Mounting type	Optional with through hole with internal (female) thread with accessories
Pneumatic connection	G1/8
Materials information for cover	PA-reinforced
Materials information for seals	TPE-U(PU)
Materials information for piston rod	Wrought Aluminum alloy Anodized
Materials information for cylinder barrel	Wrought Aluminum alloy Smooth anodized