

Compact air cylinder ADN-50-10-I-PPS-A

Part number: 572682

FESTO



Data sheet

Feature	Value
Stroke	10 mm
Operating pressure	0.1 MPa ... 1 MPa
Piston diameter	50 mm
Piston rod thread	M10
Type code	ADN
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 21287
Piston rod end	Internal thread
Position sensing	For proximity sensor
Symbol	00992970
Variants	Piston rod at one end
Operating pressure	1 bar ... 10 bar
Mode of operation	Double-acting
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
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	2.8 J
Cushioning length	6 mm
Theoretical force at 6 bar, retracting	1057 N
Theoretical force at 6 bar, advancing	1178 N
Moving mass at 0 mm stroke	140 g
Additional weight per 10 mm stroke	51 g
Basic weight with 0 mm stroke	540 g
Additional moving mass per 10 mm stroke	16 g
Type of mounting	Optionally: With through-hole With internal thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Aluminum Anodized
Seals material	TPE-U(PUR)
Piston rod material	High-alloy steel

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Material of cylinder barrel	Wrought aluminum alloy Smooth anodized