

Compact air cylinder ADN-100-15-I-PPS-A

Part number: 577191

FESTO



Data sheet

Feature	Value
Stroke	15 mm
Piston diameter	100 mm
Piston rod thread	M12
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	00991217
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	2.5 J
Cushioning length	10 mm
Theoretical force at 6 bar, retracting	4524 N
Theoretical force at 6 bar, advancing	4712 N
Moving mass at 0 mm stroke	570 g
Additional weight per 10 mm stroke	98 g
Basic weight with 0 mm stroke	2154 g
Additional moving mass per 10 mm stroke	25 g
Type of mounting	With accessories Optionally: With internal thread With through-hole
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Coated Die-cast aluminum
Seals material	TPE-U(PUR)
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized