

Compact cylinder ADN-50-10-A-P-A

Part number: 536311

FESTO



Data sheet

Feature	Value
Stroke	10 mm
Operating pressure	0.06 MPa ... 1 MPa
Piston diameter	50 mm
Piston rod thread	M12x1.25
Short type code	ADN
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Conforms to standard	ISO 21287
Piston-rod end	Male thread
Position detection	Via proximity switch
Symbol	00991217
Variants	Piston rod at one end
Operating pressure	0.6 bar ... 10 bar
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
Ambient temperature	-20 °C ... 80 °C
Impact energy in end positions	1 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1057 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Moving mass for 0 mm stroke	140 g
Additional weight per 10 mm stroke	51 g
Basic weight for 0 mm stroke	540 g
Additional moving mass per 10 mm stroke	16 g
Type of mounting	Either: With through-hole Via female thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Aluminium Anodised
Material seals	TPE-U(PUR)
Material piston rod	High-alloy steel

Feature	Value
Material cylinder barrel	Wrought aluminium alloy Smooth anodised