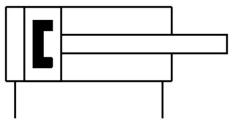
Compact cylinder
ADN-S-10-10-I-A-F1A

Part number: 8142521





Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	10 mm
Cushioning	No cushioning
Mounting position	Any
Mode of operation	Double-acting
Piston rod end	Internal thread
Structural design	Piston Piston rod
Position sensing	For proximity sensor
Symbol	00991216
Variants	Recommended for production facilities for the manufacture of lithium-ion batteries Piston rod at one end
Operating pressure	0.1 MPa ... 0.8 MPa
Operating pressure	1 bar ... 8 bar
Operating pressure	14.5 psi ... 116 psi
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	-10 °C ... 60 °C
Impact energy in the end positions	0.012 J
Theoretical force at 6 bar, retracting	30.2 N
Theoretical force at 6 bar, advancing	47 N
Moving mass	5.7 g
Product weight	17.7 g
Type of mounting	With through-hole
Pneumatic connection	M3
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Material of dynamic seals	NBR TPE-U(PU)
Housing material	Wrought aluminum alloy, anodized Anodized
Piston rod material	High-alloy stainless steel