

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

Part number: 8142521

FESTO



 General operating condition

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	Via proximity switch
Symbol	00991216
Variants	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
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
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	Anodized
Piston rod material	high-alloy stainless steel