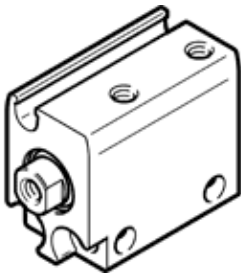


# Compact cylinder

## ADN-S-10-5-I-A-F1A

Part number: 8142520

FESTO



### Data sheet

Feature	Value
Stroke	5 mm
Piston diameter	10 mm
Cushioning	No cushioning
Assembly position	Any
Mode of operation	double-acting
Piston-rod end	Female thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod Recommended for production facilities for the manufacture of lithium-ion batteries
Operating pressure MPa	0.1 ... 0.8 MPa
Working pressure	1 ... 8 bar
Operating pressure	14.5 ... 116 psi
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 6
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	0.012 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	30.2 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	47 N
Moving mass	4.5 g
Product weight	14.5 g
Mounting type	with through hole
Pneumatic connection	M3
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material of dynamic seals	NBR TPE-U(PU)
Material housing	Anodised wrought aluminium alloy Anodized
Material piston rod	High alloy steel, non-corrosive