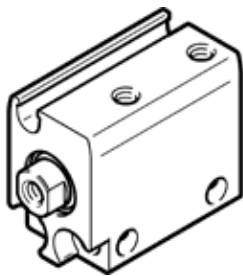


# compact cylinder ADN-S-10-5-I-A

Part number: 5177082

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
Operating pressure MPa	0.1 ... 0.8 MPa
Operating pressure	1 ... 8 bar
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	1 - Low corrosion stress
PWIS conformity	VDMA24364-B2-L
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	17 g
Mounting type	with through hole
Pneumatic connection	M3
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material of dynamic seals	NBR TPE-U(PU)
Material housing	Wrought Aluminium alloy Anodised
Material piston rod	High alloy steel, non-corrosive