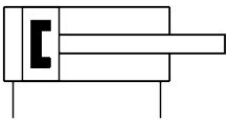
Compact cylinder
ADN-S-10-10-I-A

Part number: 5177085



General operating condition

Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	10 mm
Cushioning	No cushioning
Mounting position	optional
Mode of operation	Double-acting
Piston-rod end	Female thread
Design	Piston Piston rod
Position detection	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 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	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	-10 °C ... 60 °C
Impact energy in end positions	0.012 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	30.2 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	47 N
Moving mass	5.7 g
Product weight	19 g
Type of mounting	With through-hole
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material dynamic seals	NBR TPE-U(PU)
Material housing	Anodised
Material piston rod	High-alloy stainless steel