

# Compact air cylinder ADN-S-16-10-A-P-A

Part number: 8091678

**FESTO**



## Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	16 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston rod end	External thread
Structural design	Piston Piston rod
Position sensing	For proximity sensor
Variants	Piston rod at one end
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	0 °C...60 °C
Impact energy in the end positions	0.15 J
Theoretical force at 6 bar, retracting	90 N
Theoretical force at 6 bar, advancing	121 N
Moving mass at 0 mm stroke	11 g
Additional moving mass per 10 mm stroke	4 g
Basic weight with 0 mm stroke	42 g
Additional weight per 10 mm stroke	18 g
Type of mounting	With through-hole With internal thread With accessories Optionally:
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy, anodized

Feature	Value
Material of dynamic seals	NBR TPE-U(PU)
Housing material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy stainless steel