

Compact air cylinder ADN-S-25-50-A-P-A

Part number: 8092101

FESTO



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	25 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	0.06 MPa...1 MPa 0.6 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	0.3 J
Theoretical force at 6 bar, retracting	247 N
Theoretical force at 6 bar, advancing	295 N
Moving mass at 0 mm stroke	25 g
Additional moving mass per 10 mm stroke	6 g
Basic weight with 0 mm stroke	88 g
Additional weight per 10 mm stroke	30 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