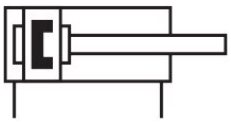
Compact cylinder
ADN-S-50-5-I-P-A

Part number: 5138188





Data sheet

Feature	Value
Stroke	5 mm
Piston diameter	50 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston rod end	Internal thread
Structural design	Piston Piston rod
Position sensing	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.04 MPa...1 MPa 0.4 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
Ambient temperature	0 °C...80 °C
Impact energy in the end positions	1 J
Theoretical force at 6 bar, retracting	1057 N
Theoretical force at 6 bar, advancing	1178 N
Moving mass at 0 mm stroke	104 g
Additional moving mass per 10 mm stroke	16 g
Basic weight with 0 mm stroke	324 g
Additional weight per 10 mm stroke	63 g
Type of mounting	Alternatively: With through-hole With internal thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Cover material	Wrought aluminum alloy, anodized
Material of dynamic seals	TPE-U(PU)
Housing material	Wrought aluminum alloy, anodized

Feature	Value
Piston rod material	high-alloy stainless steel