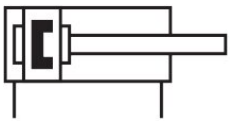
Compact cylinder
ADN-16-50-A-P-A

Part number: 536331



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	16 mm
Piston rod thread	M6
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston-rod end	Male thread
Position detection	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.06 MPa...1 MPa 0.6 bar...10 bar 8.7 psi...145 psi
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	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	0.15 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	90 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	121 N
Moving mass	38 g
Product weight	145 g
Type of mounting	Either: With through-hole With female thread With accessories
Pneumatic connection	M5
Note on materials	RoHS compliant
Material collar screws	Steel
Material cover	Anodised wrought aluminium alloy

Feature	Value
Material seals	TPE-U(PUR)
Material piston rod	High-alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy