

Compact cylinder ADN-20-50-I-P-A

Part number: 536249

FESTO



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	20 mm
Piston rod thread	M6
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Conforms to standard	ISO 21287
Piston-rod end	Female thread
Position detection	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.06 MPa...1 MPa 0.6 bar...10 bar
Mode of operation	Double-acting
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 class	Class 6 according to ISO 14644-1
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	0.2 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	141 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	188 N
Moving mass	54 g
Product weight	229 g
Type of mounting	With through-hole Via female thread With accessories Either:
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material collar screws	Steel
Material cover	Anodised wrought aluminium alloy
Material seals	TPE-U(PUR)

Feature	Value
Material piston rod	High-alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy