Compact cylinder
ADN-100- -KP-

Part number: 548213

Data sheet

Feature	Value
Stroke	10 mm...500 mm
Piston diameter	100 mm
Piston rod thread	M16x1.5
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Type of clamping with direction of action	At both ends
Piston-rod end	Female thread
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Variants	Extended male piston rod thread Custom thread on the piston rod Extended piston rod Laser etched rating plate
Operating pressure	0.15 MPa...1 MPa 1.5 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
Ambient temperature	-10 °C...80 °C
Impact energy in end positions	2.5 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	4418 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	4712 N
Moving mass for 0 mm stroke	932 g
Additional moving mass per 10 mm stroke	39 g
Basic weight for 0 mm stroke	5497 g
Additional weight per 10 mm stroke	112 g
Type of mounting	With female thread With accessories

Feature	Value
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy anodised
Material piston rod	High-alloy steel
Material cylinder barrel	Wrought aluminium alloy Smooth-anodised