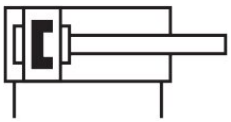
Compact cylinder
ADN-80-50-A-P-A

Part number: 536359





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	80 mm
Piston rod thread	M16x1.5
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Conforms to standard	ISO 21287
Piston rod end	External thread
Position sensing	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 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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	1.8 J
Theoretical force at 6 bar, retracting	2827 N
Theoretical force at 6 bar, advancing	3016 N
Moving mass	557 g
Product weight	1539 g
Type of mounting	Alternatively: With through-hole With internal thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Flange screws material	Steel
Cover material	Die-cast aluminum, coated
Seals material	TPE-U(PUR)
Piston rod material	High-alloy steel

Feature	Value
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized