Part number: 536309
Order code 1: ADN-50-10-I-P-A-S2

Order-ID: C176654

Data sheet

Feature name	Value
Stroke	10 mm
Piston diameter	50 mm
Short type code	ADN
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Conforms to standard	ISO 21287
Design	Piston Piston rod Profile barrel
Position detection	For proximity switch
Variants	Through piston rod
Operating pressure (MPa)	0,100...1,000 MPa
Operating pressure (bar)	1,000...10,000 bar
Operating mode	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Note on operating/pilot medium	Lubricated operation possible (required for further use)
Corrosion resistance class KBK	Moderate corrosion stress - 2
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 5 as per ISO 14644-1
Ambient temperature	-20...80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	1057 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advancing	1178 N
Product weight	608 g
Moving mass	196 g
Type of mounting	Alternatively: With through-hole With internal thread “With accessories” means indirect mounting via an intermediate element.
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Flange screws material	Steel
Cover material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy steel
Cylinder barrel material	Wrought aluminum alloy, smooth-anodized
Operating pressure (psi)	14,500...145,000 psi