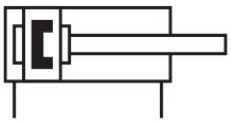
Compact cylinder
ADN-25-50-I-PPS-A

Part number: 577180





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	25 mm
Piston rod thread	M6
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 21287
Piston rod end	Internal thread
Position sensing	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.15 MPa...1 MPa 1.5 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
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	0.3 J
Cushioning length	3.5 mm
Theoretical force at 6 bar, retracting	247 N
Theoretical force at 6 bar, advancing	295 N
Moving mass	62 g
Product weight	302 g
Type of mounting	Alternatively: With through-hole With internal thread With accessories
Pneumatic connection	M5
Note on materials	RoHS compliant
Flange screws material	Steel
Cover material	Wrought aluminum alloy, anodized

Feature	Value
Seals material	TPE-U(PUR)
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized