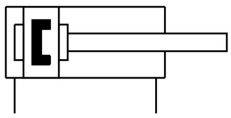
Compact air cylinder
ADN-25-50-I-PPS-A

Part number: 577180



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	25 mm
Piston rod thread	M6
Type code	ADN
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 21287
Piston rod end	Internal thread
Position sensing	For proximity sensor
Symbol	00991217
Variants	Piston rod at one end
Operating pressure	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
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 at 0 mm stroke	50 g
Additional weight per 10 mm stroke	23 g
Basic weight with 0 mm stroke	156 g
Additional moving mass per 10 mm stroke	6 g
Type of mounting	With accessories Optionally: With internal thread With through-hole
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Anodized Aluminum
Seals material	TPE-U(PUR)
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized