

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

Part number: 577180

FESTO

with self-adjusting pneumatic end position cushioning



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	25 mm
Piston rod thread	M6
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Conforms to standard	ISO 21287
Piston-rod end	Female thread
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure	1.5 ... 10 bar
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.3 J
Cushioning length	3.5 mm
Theoretical force at 6 bar, return stroke	247 N
Theoretical force at 6 bar, advance stroke	295 N
Moving mass with 0 mm stroke	50 g
Additional weight per 10 mm stroke	23 g
Basic weight for 0 mm stroke	156 g
Additional mass factor per 10 mm of stroke	6 g
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Aluminium Anodised
Material seals	TPE-U(PUR)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised