

compact cylinder ADNGF-25-50-PPS-A

Part number: 577222

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 50 mm |
| Piston diameter | 25 mm |
| Based on the standard | ISO 21287 |
| Cushioning | PPS: Self-adjusting pneumatic end-position cushioning |
| Assembly position | Any |
| Design structure | Piston Piston rod Profile barrel |
| Position detection | For proximity sensor |
| Protection against torque/guide | Guide rod with yoke |
| Operating pressure | 1.9 ... 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 | 85 g |
| Additional weight per 10 mm stroke | 28 g |
| Basic weight for 0 mm stroke | 191 g |
| Additional mass factor per 10 mm of stroke | 11 g |
| 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 |