

compact cylinder ADNGF-100-25-P-A

Part number: 554289

FESTO

According to ISO 21287, with plain-bearing guide, piston rod secured against rotation by means of guide rods and yoke plate.



Data sheet

| Feature | values |
|--|---|
| Stroke | 25 mm |
| Piston diameter | 100 mm |
| Based on the standard | ISO 21287 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| 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 ... 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 | 2.5 J |
| Theoretical force at 6 bar, return stroke | 4,524 N |
| Theoretical force at 6 bar, advance stroke | 4,712 N |
| Moving mass with 0 mm stroke | 1,089 g |
| Additional weight per 10 mm stroke | 116 g |
| Basic weight for 0 mm stroke | 2,673 g |
| Additional mass factor per 10 mm of stroke | 43 g |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Materials information for cover | Aluminium die cast coated |
| Materials information for seals | TPE-U(PUR) |
| Materials information for piston rod | High alloy steel |
| Materials information for cylinder barrel | Wrought Aluminium alloy Smooth anodised |