


Compact air cylinder ADNGF-100-40-PPS-A

Part number: 577229

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Stroke | 40 mm |
| Piston diameter | 100 mm |
| Based on norm | ISO 21287 |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Structural design | Piston Piston rod Profile barrel |
| Position sensing | For proximity sensor |
| Protection against torsion/guide | Guide rod with yoke |
| Operating pressure | 0.14 MPa ... 1 MPa |
| Operating pressure | 1.4 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 |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in the end positions | 2.5 J |
| Cushioning length | 10 mm |
| Theoretical force at 6 bar, retracting | 4524 N |
| Theoretical force at 6 bar, advancing | 4712 N |
| Moving mass | 1259 g |
| Product weight | 2692 g |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Flange screws material | Steel |
| Cover material | Die-cast aluminum, coated |
| Seals material | TPE-U(PUR) |
| End plate material | Wrought aluminum alloy, anodized |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized |