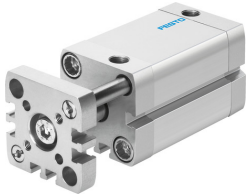


Compact air cylinder ADNGF-16-50-P-A

Part number: 554219

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 50 mm |
| Piston diameter | 16 mm |
| Type code | ADNGF |
| Based on norm | ISO 21287 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| 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 | 0.15 MPa ... 1 MPa |
| 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 |
| LABS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in the end positions | 0.15 J |
| Theoretical force at 6 bar, retracting | 90 N |
| Theoretical force at 6 bar, advancing | 121 N |
| Moving mass at 0 mm stroke | 29 g |
| Additional weight per 10 mm stroke | 16 g |
| Basic weight with 0 mm stroke | 93 g |
| Additional moving mass per 10 mm stroke | 6 g |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Cover material | Aluminum Anodized |
| Seals material | TPE-U(PUR) |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy Smooth anodized |