

Compact cylinder ADNGF-50-20-PPS-A

Part number: 574042

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Stroke | 20 mm |
| Piston diameter | 50 mm |
| Based on standard | ISO 21287 |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | optional |
| Design | Piston Piston rod Profile barrel |
| Position detection | Via proximity switch |
| Protection against torque/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 to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in end positions | 2.8 J |
| Cushioning length | 6 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 1057 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1178 N |
| Moving mass | 363 g |
| Product weight | 798 g |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Material collar screws | Steel |
| Material cover | Anodised wrought aluminium alloy |
| Material seals | TPE-U(PUR) |
| Material end plate | Anodised wrought aluminium alloy |
| Material piston rod | High-alloy steel |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |