

Compact cylinder

ADN-1/2"-1/2"-I-P-A

Part number: 557026

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 0.5 in |
| Piston diameter | 1/2" |
| Piston rod thread | 4-48 UNF-2B |
| Based on standard | ISO 21287 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Mode of operation | Double-acting |
| Piston-rod end | Female thread |
| Design | Piston Piston rod Profile barrel |
| Position detection | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa...1 MPa 1 bar...10 bar 14.5 psi...145 psi |
| 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 | -4 °F...176 °F |
| Impact energy in end positions | 0.052 ft-lbf |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 11.5 lbf |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 15.3 lbf |
| Moving mass for 0 mm stroke | 0.319 oz |
| Additional moving mass per 10 mm stroke | 0.425 oz |
| Basic weight for 0 mm stroke | 2.73 oz |
| Additional weight per 10 mm stroke | 0.071 oz |
| Type of mounting | Either: With through-hole Via female thread With accessories |
| Pneumatic connection | 10-32 UNF-2B |

| Feature | Value |
|--------------------------|---|
| Material collar screws | Steel |
| Material cover | Anodised wrought aluminium alloy |
| Material dynamic seals | TPE-U(PU) |
| Material piston rod | High-alloy steel |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |