

Compact cylinder AEN-16- -

Part number: 536415

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|---|
| Stroke | 1 mm ... 25 mm |
| Piston diameter | 16 mm |
| Based on standard | ISO 21287 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | Any |
| Mode of operation | Pushing Single-acting Pulling |
| Design | Piston Piston rod Profile barrel |
| Position detection | Via proximity switch |
| Variants | Improved running performance Extended male piston rod thread Custom thread on the piston rod Extended piston rod With protection against rotation Heat-resistant seals max. 120°C Laser etched rating plate Pulling Piston rod at one end |
| Operating pressure | 0.15 MPa ... 1 MPa |
| Operating pressure | 1.5 bar ... 10 bar |
| Operating pressure | 21.75 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 | -20 °C ... 120 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 58 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 88 N |
| Additional weight per piston rod extension of 10 mm | 4 g |
| Additional weight per piston rod thread extension of 10 mm | 2 g |
| Type of mounting | With through-hole With female thread With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |

| Feature | Value |
|--------------------------|---|
| Material collar screws | Steel |
| Material cover | Anodised wrought aluminium alloy |
| Material piston rod | High-alloy steel |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |