

Short-stroke cylinder ADVC-80-10-A-P-A

Part number: 188316

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 10 mm |
| Piston diameter | 80 mm |
| Based on norm | ISO 6431 Hole pattern VDMA 24562 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Structural design | Piston Piston rod |
| Position sensing | For proximity sensor |
| Operating pressure | 0.1 MPa...1 MPa 1 bar...10 bar 14.5 psi...145 psi |
| 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) | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...80 °C |
| Theoretical force at 6 bar, retracting | 2827 N |
| Theoretical force at 6 bar, advancing | 3016 N |
| Moving mass | 277 g |
| Moving mass at 0 mm stroke | 265 g |
| Additional moving mass per 10 mm stroke | 24 g |
| Product weight | 1176 g |
| Basic weight with 0 mm stroke | 1119 g |
| Additional weight per 10 mm stroke | 114 g |
| Type of mounting | With through-hole With accessories Optionally: |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy Anodized |

| Feature | Value |
|---------------------|------------------------------------|
| Seals material | TPE-U(PU) |
| Housing material | Wrought aluminum alloy Anodized |
| Piston rod material | High-alloy steel |