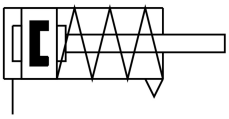
# Compact cylinder AEVU-100- -P-A-S6

Part number: 156259



## Data sheet

| Feature | Value |
|---|---|
| Stroke | 1 mm...25 mm |
| Piston diameter | 100 mm |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Mode of operation | Single-acting<br>Pushing |
| Piston-rod end | Female thread |
| Design | Piston<br>Piston rod |
| Position detection | Via proximity switch |
| Variants | Heat-resistant seals max. 120°C |
| Operating pressure | 0.06 MPa...1 MPa<br>6 bar...10 bar<br>8.7 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 | 0 °C...120 °C |
| Impact energy in end positions | 1 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 4516 N |
| Moving mass for 0 mm stroke | 614 g |
| Additional moving mass per 10 mm stroke | 38 g |
| Basic weight for 0 mm stroke | 2797 g |
| Additional weight per 10 mm stroke | 177 g |
| Type of mounting | Either:<br>With through-hole<br>With accessories |
| Pneumatic connection | G1/4 |
| Material collar screws | Galvanised steel |
| Material cover | Wrought aluminium alloy |
| Material dynamic seals | FPM |

| Feature | Value |
|---|---|
| Material piston rod | High-alloy steel |
| Material cylinder barrel | Wrought aluminium alloy |