# Compact cylinder
# AEVUZ-100-15-P-A

Part number: 157249





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 15 mm |
| Piston diameter | 100 mm |
| Piston rod thread | M12 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Single-acting<br>Pulling |
| Piston rod end | Internal thread |
| Structural design | Piston<br>Piston rod |
| Position sensing | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.08 MPa...1 MPa<br>0.8 bar...10 bar<br>11.6 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) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in the end positions | 1 J |
| Theoretical force at 6 bar, advancing | 4222 N |
| Moving mass at 0 mm stroke | 614 g |
| Additional moving mass per 10 mm stroke | 38 g |
| Basic weight with 0 mm stroke | 2797 g |
| Additional weight per 10 mm stroke | 177 g |
| Type of mounting | Alternatively:<br>With through-hole<br>With accessories |
| Pneumatic connection | G1/4 |
| Flange screws material | Steel, galvanized |
| Cover material | Wrought aluminum alloy |
| Material of dynamic seals | NBR |

| Feature | Value |
|---|---|
| | TPE-U(PU) |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy |