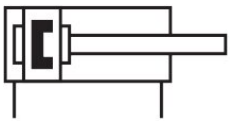
# Compact cylinder
# ADVU-12-25-A-P-A

Part number: 156590





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 25 mm |
| Piston diameter | 12 mm |
| Piston rod thread | M6 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston rod end | External thread |
| Structural design | Piston<br>Piston rod |
| Position sensing | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.12 MPa...1 MPa<br>1.2 bar...10 bar<br>17.4 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 | 0.07 J |
| Theoretical force at 6 bar, retracting | 51 N |
| Theoretical force at 6 bar, advancing | 68 N |
| Moving mass at 0 mm stroke | 8 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Basic weight with 0 mm stroke | 87 g |
| Additional weight per 10 mm stroke | 15 g |
| Type of mounting | Alternatively:<br>With through-hole<br>With accessories |
| Pneumatic connection | M5 |
| Flange screws material | high-alloy stainless steel |
| Cover material | Wrought aluminum alloy |
| Material of dynamic seals | NBR |

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