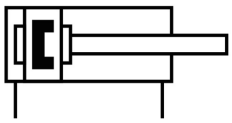
# Compact cylinder
# ADN-S-32-5-A-P-A-F1A

Part number: 8142866



General operating condition

## Data sheet

| Feature | Value |
|---|---|
| Stroke | 5 mm |
| Piston diameter | 32 mm |
| 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 | For proximity sensor |
| Symbol | 00991217 |
| Variants | Recommended for production facilities for the manufacture of lithium-ion batteries<br>Piston rod at one end |
| Operating pressure | 0.06 MPa ... 1 MPa |
| Operating pressure | 0.6 bar ... 10 bar |
| Operating pressure | 8.7 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) | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Suitability for the production of Li-ion batteries | Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class | Class 6 according to ISO 14644-1 |
| Ambient temperature | 0 °C ... 60 °C |
| Impact energy in the end positions | 0.4 J |
| Theoretical force at 6 bar, retracting | 415 N |
| Theoretical force at 6 bar, advancing | 483 N |
| Moving mass at 0 mm stroke | 37 g |
| Additional moving mass per 10 mm stroke | 9 g |
| Basic weight with 0 mm stroke | 117 g |
| Additional weight per 10 mm stroke | 36 g |
| Type of mounting | With through-hole<br>With internal thread |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy, anodized |

| Feature | Value |
| --- | --- |
| Material of dynamic seals | NBR<br>TPE-U(PU) |
| Housing material | Wrought aluminum alloy, anodized |
| Piston rod material | High-alloy stainless steel |