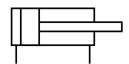
Compact cylinder ADN-S-6-5-I-F1A

Part number: 8142509







General operating condition

| Feature | Value |
|--|---|
| Stroke | 5 mm |
| Piston diameter | 6 mm |
| Cushioning | No cushioning |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston rod end | Internal thread |
| Structural design | Piston Piston rod |
| Symbol | 00991215 |
| Variants | Recommended for production facilities for the manufacture of lithium- ion batteries Piston rod at one end |
| Operating pressure | 0.2 MPa 0.8 MPa |
| Operating pressure | 2 bar 8 bar |
| Operating pressure | 21.75 psi 116 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-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 | -10 °C 60 °C |
| Impact energy in the end positions | 0.006 J |
| Theoretical force at 6 bar, retracting | 9.4 N |
| Theoretical force at 6 bar, advancing | 17 N |
| Moving mass | 1.5 g |
| Product weight | 9.2 g |
| Type of mounting | With through-hole |
| Pneumatic connection | M3 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy |
| Material of dynamic seals | NBR TPE-U(PU) |
| Housing material | Wrought aluminum alloy, anodized Anodized |

| Feature | Value |
|---------------------|----------------------------|
| Piston rod material | High-alloy stainless steel |