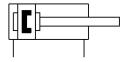
Round cylinder DSNU-S-8- -F1A-Part number: 8148785







Data sheet

| Feature | Value |
|--|--|
| Stroke | 1 mm100 mm |
| Piston diameter | 8 mm |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Structural design | Piston Piston rod Cylinder barrel |
| Position sensing | For proximity sensor |
| Variants | Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. Extended external thread piston rod Internal thread on piston rod Extended piston rod Axial supply port Swivel mounting, end cap Lateral supply port Fastening thread, end cap Shortened piston rod external thread |
| Operating pressure | 0.15 MPa1 MPa 1.5 bar10 bar |
| Mode of operation | Double-acting |
| 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% 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 | -20 °C80 °C |
| Theoretical force at 6 bar, retracting | 22.6 N |
| Theoretical force at 6 bar, advancing | 30.2 N |
| Moving mass at 0 mm stroke | 6.3 g |
| Additional moving mass per 10 mm stroke | 1 g |

| Feature | Value |
|------------------------------------|----------------------------------|
| Basic weight with 0 mm stroke | 20 g |
| Additional weight per 10 mm stroke | 2.4 g |
| Type of mounting | With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy, anodized |
| Seals material | TPE-U(PU) |
| Piston rod material | High-alloy stainless steel |
| Material of cylinder barrel | High-alloy stainless steel |