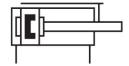
Part number: 8164060





Data sheet

| Feature | Value |
|--|--|
| Stroke | 10 mm |
| Size | 10 |
| Piston diameter | 10 mm |
| Cushioning | Elastomer cushioning, double-sided, stroke not adjustable |
| Mounting position | optional |
| Guide | Recirculating ball bearing guide |
| Design | Yoke Piston rod Slide |
| Position detection | Via proximity switch |
| Operating pressure | 0.1 MPa0.8 MPa 1 bar8 bar 14.5 psi116 psi |
| Max. speed | 0.5 m/s |
| Repetition accuracy | <= 0.3 mm |
| Mode of operation | Double-acting |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-C1-L |
| Suitability for the production of Li-ion batteries | Product corresponds to the internal product definition from Festo for use in battery production:Metals with more than 1% by mass of copper, zinc or nickel are excluded from use.The 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 °C60 °C |
| Impact energy in end positions | 0.018 J |
| Cushioning length | 1.5 mm |
| Max. force Fy | 826 N |
| Max. force Fz | 826 N |
| Max. moment Mx | 3 Nm |
| Max. moment My | 2.6 Nm |

| Feature | Value |
|--|--|
| Max. moment Mz | 2.6 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 39 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 47 N |
| Moving mass | 56 g |
| Product weight | 124 g |
| Type of mounting | With through-hole Via female thread |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover | Wrought aluminium alloy |
| Material seals | NBR PU |
| Material guide | NBR PA High-alloy steel |
| Material housing | Wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |