



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|--|
| Stroke | 10 ... 400 mm |
| Piston diameter | 63 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | PPS: Self-adjusting pneumatic end-position cushioning PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Guide | Plain-bearing guide |
| Design structure | Guide |
| Position detection | For proximity sensor |
| Variants | For unlubricated operation |
| Operating pressure MPa | 0.15 ... 1.2 MPa |
| Operating pressure | 1.5 ... 12 bar |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 3 - High corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Food-safe | See Supplementary material information |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 1.3 J |
| Cushioning length | 22 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 1,682 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 1,870 N |
| Torsional backlash | 0.061 deg |
| Moving mass with 0 mm stroke | 2,114 g |
| Additional mass factor per 10 mm of stroke | 101.7 g |
| Basic weight for 0 mm stroke | 6,405 g |
| Additional weight per 10 mm stroke | 142.8 g |
| Mounting type | with through hole with internal (female) thread Optional |
| Pneumatic connection | G3/8 |
| Materials note | Conforms to RoHS |
| Material cover | Aluminium die cast coated |
| Material guide rod | High alloy steel, non-corrosive |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |
| Material cylinder barrel | Wrought Aluminium alloy |