

hinge cylinder DWC-63-100-Y-A

Part number: 558109

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 100 mm |
| Piston diameter | 63 mm |
| Piston rod thread | M16x1,5 |
| Distance of rod clevis to swivel mounting | 16.5 mm |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Design structure | Piston Piston rod with rod clevis Swivel mounting on bearing cap Cylinder barrel |
| Speed regulation | Integrated flow control valves on both sides |
| Position detection | For proximity sensor |
| Piston-rod end | Male thread with rod clevis |
| Operating pressure | 1 ... 10 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 | 0 - No corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Ambient temperature | -10 ... 60 °C |
| Impact energy in end positions | 1.3 J |
| Cushioning length | 20 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 |
| Moving mass with 0 mm stroke | 741 g |
| Additional mass factor per 10 mm of stroke | 25 g |
| Basic weight for 0 mm stroke | 1,600 g |
| Additional weight per 10 mm stroke | 42 g |
| alternative connections | See product drawing |
| Mounting type | With swivel mounting on bearing cap with accessories |
| Pneumatic connection | Rc1/4 |
| Material rod clevis | Cast steel Heat-treatment steel |
| Materials note | Conforms to RoHS |
| Material wiper seal | Bronze |
| Material cover | Aluminium die cast Anodised |
| Material seals | NBR |
| Material piston rod | Heat-treatment steel hard-chromium plated |
| Material cylinder barrel | Wrought Aluminium alloy Anodised |