

Flat cylinder DZH-50-300-PPV-A

Part number: 14072

FESTO

Non-rotating, for proximity sensing, with adjustable cushioning at both ends. Various mounting options, with or without additional mounting components.



Data sheet

| Feature | Value |
|--|---|
| Stroke | 300 mm |
| Piston diameter | 50 mm Equivalent diameter |
| Max. angular deflection of piston rod +/- | 0.75 deg |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Mode of operation | double-acting |
| Design structure | Piston Piston rod |
| Position detection | For proximity sensor |
| Protection against torque/guide | Oval piston |
| Operating pressure MPa | 0.06 ... 1 MPa |
| Working pressure | 0.6 ... 10 bar |
| 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 | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Ambient temperature | -20 ... 80 °C |
| Cushioning length | 23 mm |
| Max. torque for protection against rotation | 1.7 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 989.6 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 1,178 N |
| Additional weight per 10 mm stroke | 60 g |
| Basic weight for 0 mm stroke | 1,200 g |
| Mounting type | with internal (female) thread with accessories Optional |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Material cover | Aluminum |
| Material seals | TPE-U(PU) |
| Material housing | Aluminum |
| Material piston rod | High alloy steel |