

Flat cylinder DZH-32-160-PPV-A

Part number: 14047

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 160 mm |
| Piston diameter | 32 mm Equivalent diameter |
| Torsional backlash at piston rod +/- | 1.7 deg |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | optional |
| Mode of operation | Double-acting |
| Design | Piston Piston rod |
| Position detection | Via proximity switch |
| Protection against torque/guide | Oval piston |
| Operating pressure | 0.06 MPa...1 MPa 0.6 bar...10 bar |
| 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 | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Ambient temperature | -20 °C...80 °C |
| Cushioning length | 19 mm |
| Max. torque for protection against torsion | 1 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 415 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 483 N |
| Additional weight per 10 mm stroke | 30 g |
| Basic weight for 0 mm stroke | 500 g |
| Type of mounting | Either: Via female thread With accessories |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Material cover | Aluminium |
| Material seals | TPE-U(PU) |
| Material housing | Aluminium |

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|---------------------|------------------|
| Material piston rod | High-alloy steel |