

Flat cylinder DZH-20-50-PPV-A

Part number: 151136

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|--|--|
| Stroke | 50 mm |
| Piston diameter | 20 mm Equivalent diameter |
| Piston rod thread | M8 |
| Max. angle of rotation of the piston rod +/- | 2.6 deg |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Structural design | Piston Piston rod Profile barrel |
| Position sensing | For proximity sensor |
| Symbol | 00991235 |
| Variants | Piston rod at one end |
| Protection against torsion/guide | Oval piston |
| Operating pressure | 0.1 MPa ... 1 MPa |
| Operating pressure | 1 bar ... 10 bar |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Ambient temperature | -20 °C ... 80 °C |
| Cushioning length | 17 mm |
| Max. torque for protection against rotation | 0.6 Nm |
| Theoretical force at 6 bar, retracting | 158 N |
| Theoretical force at 6 bar, advancing | 188 N |
| Moving mass | 91 g |
| Product weight | 314 g |
| Additional weight per 10 mm stroke | 15.9 g |
| Basic weight with 0 mm stroke | 234 g |
| Type of mounting | With internal thread With accessories |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Cover material | Aluminum |
| Seals material | TPE-U(PU) |

| Feature | Value |
|----------------------|------------------|
| Housing material | Aluminum |
| Piston seal material | TPE-U(PU) |
| Piston rod material | High-alloy steel |