

Linear actuator DFPC-200-350-D

Part number: 8133105

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|--|
| Size of valve actuator | 200 |
| Flange hole pattern | F10 |
| Stroke | 350 mm |
| Piston diameter | 200 mm |
| Standard connection for valve | ISO 5210 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Structural design | Piston Piston rod Tie rod Cylinder barrel |
| Position sensing | For proximity sensor |
| Symbol | 00991217 |
| Operating pressure | 0.2 MPa ... 0.8 MPa |
| Operating pressure | 2 bar ... 8 bar |
| Operating pressure | 29 psi ... 116 psi |
| Nominal operating pressure | 0.6 MPa |
| Nominal operating pressure | 6 bar |
| Nominal operating pressure | 87 psi |
| 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) |
| Vibration resistance | Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in the end positions | 4.8 J |
| Theoretical force at 6 bar, retracting | 18096 N |
| Theoretical force at 6 bar, advancing | 18850 N |
| Air consumption, retracting, per 10 mm stroke | 2.111 l |
| Air consumption advancing per 10 mm stroke | 2.199 l |
| Moving mass at 0 mm stroke | 3575.4 g |
| Additional moving mass per 10 mm stroke | 105.31 g |
| Product weight | 19210 g |
| Basic weight with 0 mm stroke | 10258.2 g |
| Additional weight per 10 mm stroke | 255.79 g |

| Feature | Value |
|-----------------------------|---|
| Type of mounting | On flange as per ISO 5210 With spacer bolt |
| Pneumatic connection | G1/4 |
| Note on materials | RoHS-compliant |
| Cover material | Gravity die-cast aluminum |
| Piston rod material | High-alloy stainless steel |
| Piston rod wiper material | TPE-U(PU) |
| Nut material | High-alloy stainless steel |
| Static seal material | NBR |
| Tie rod material | High-alloy stainless steel |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized |