

Linear actuator DFPC-160-300-D

Part number: 8133082

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Size of valve actuator | 160 |
| Flange hole pattern | F10 |
| Stroke | 300 mm |
| Piston diameter | 160 mm |
| Fitting connection conforms to standard | ISO 5210 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Design | Piston Piston rod Tie rod 1 Cylinder barrel |
| Position detection | Via proximity switch |
| 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 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) |
| Vibration resistance | Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27 |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in end positions | 3.3 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 11581 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 12064 N |
| Air consumption on return stroke per 10 mm | 1.351 l |
| Air consumption on advance stroke per 10 mm | 1.407 l |
| Moving mass for 0 mm stroke | 2102 g |
| Additional moving mass per 10 mm stroke | 64.34 g |
| Product weight | 10410 g |
| Basic weight for 0 mm stroke | 5948.7 g |

| Feature | Value |
|------------------------------------|---|
| Additional weight per 10 mm stroke | 148.61 g |
| Type of mounting | on flange according to ISO 5210 With spacer bolt |
| Pneumatic connection | G1/4 |
| Note on materials | RoHS compliant |
| Material cover | Gravity die-cast aluminium |
| Material piston rod | High-alloy stainless steel |
| Material piston rod wiper | TPE-U(PU) |
| Material nut | High-alloy stainless steel |
| Material static seals | NBR |
| Material tie rod | High-alloy stainless steel |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |