

# Linear drive DFPC-125-150-D

Part number: 8110772

**FESTO**



## Data sheet

| Feature  | Value  |
|--|--|
| Size of valve actuator                                       | 125  |
| Flange hole pattern  | F10  |
| Stroke   | 150 mm   |
| Piston diameter  | 125 mm   |
| Fitting connection conforms to standard                      | ISO 5210   |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Mode of operation  | Double-acting  |
| Design   | Piston<br>Piston rod<br>Tie rod<br>Cylinder barrel   |
| Position detection   | Via proximity switch   |
| Operating pressure   | 0.2 MPa...0.8 MPa<br>2 bar...8 bar<br>29 psi...116 psi                                     |
| Nominal operating pressure                                   | 0.6 MPa<br>6 bar<br>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                               | 1.1 J  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 7069 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 7363 N   |
| Air consumption on return stroke per 10 mm                   | 0.825 l  |
| Air consumption on advance stroke per 10 mm                  | 0.859 l  |
| Moving mass for 0 mm stroke                                  | 1059.6 g   |
| Additional moving mass per 10 mm stroke                      | 38.9 g   |

| Feature                            | Value  |
|------------------------------------|--|
| Product weight                     | 4580 g   |
| Basic weight for 0 mm stroke       | 2968.9 g   |
| Additional weight per 10 mm stroke | 107.4 g  |
| Type of mounting                   | On flange as per ISO 5210<br>With spacer bolt<br>Either: |
| Pneumatic connection               | G1/8   |
| 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                  |