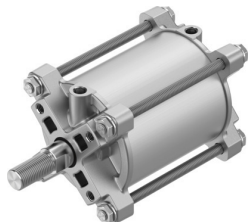


Linear drive DFPC-80-65-D-V4EX4-44E-9S-W2

Part number: 817 2141

FESTO



Data sheet

| Feature | Value |
|---|--|
| Size of valve actuator | 80 |
| Flange hole pattern | F07 |
| Stroke | 65 mm |
| Piston diameter | 80 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 Piston rod Tie rod Cylinder barrel |
| Position detection | Via proximity switch |
| Variants | EX protection approval (ATEX) Piston rod with male thread shortened at one end Extended piston rod |
| Operating pressure | 0.2 MPa...0.8 MPa 2 bar...8 bar 29 psi...116 psi |
| Nominal operating pressure | 0.6 MPa 6 bar 87 psi |
| CE mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| Explosion protection certification outside the EU | EPL Db (GB) EPL Gb (GB) |
| Explosion protection | Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) |
| ATEX category gas | II 2G |
| ATEX category dust | II 2D |
| Explosion ignition protection type for gas | Ex h IIC T4 Gb |
| Explosion ignition protection type for dust | Ex h IIC T120°C Db |

| Feature | Value |
|--|--|
| Explosion ambient temperature | -20 °C ≤ Ta ≤ +80 °C |
| 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 | 1.4 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 2827 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 3016 N |
| Air consumption on return stroke per 10 mm | 0.33 l |
| Air consumption on advance stroke per 10 mm | 0.352 l |
| Moving mass for 0 mm stroke | 451 g |
| Additional moving mass per 10 mm stroke | 24.8 g |
| Product weight | 1630 g |
| Basic weight for 0 mm stroke | 1230.3 g |
| Additional weight per 10 mm stroke | 61.8 g |
| Type of mounting | On flange as per ISO 5210 With spacer bolt 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 |