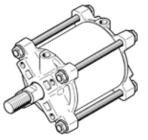
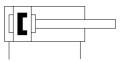
linear drive DFPC-80-65-D Part number: 8110817



Data sheet

| Feature | Value |
|--|--|
| Size of actuator | 80 |
| Flange hole pattern | F07 |
| Stroke | 65 mm |
| Piston diameter | 80 mm |
| Fitting connection conforms to standard | ISO 5210 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Mode of operation | double-acting |
| Design structure | Piston |
| | Piston rod |
| | Tie rod |
| | Cylinder barrel |
| | , |
| Position detection | For proximity sensor |
| Operating pressure MPa | 0.06 0.8 MPa |
| Operating pressure | 0.6 8 bar |
| | 8.7 116 psi |
| Nominal operating pressure | 0.6 MPa |
| | 6 bar |
| Nominal operating pressure (psi) | 87 psi |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| 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 in accordance with FN 942017-5 and EN 60068-2-27 |
| PWIS conformity | VDMA24364 zone III |
| Ambient temperature | -20 80 °C |
| Impact energy in end positions | 1.4 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 2,827 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 3,016 N |
| Air consumption returning per 10 mm stroke | 0.331 |
| Air consumption advancing per 10 mm stroke | 0.352 l |
| Moving mass with 0 mm stroke | 451 g |
| Additional mass factor per 10 mm of stroke | 24.8 g |
| Product weight | 1,630 g |
| Basic weight for 0 mm stroke | 1,230.3 g |
| Additional weight per 10 mm stroke | 61.8 g |
| Mounting type | On flange as per ISO 5210 |
| | With spacer bolt |
| | |
| | Optional Ct. /O |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Material cover | Gravity die-cast aluminium |
| Material piston rod | High alloy steel, non-corrosive |
| Material piston rod wiper seal | TPE-U(PU) |
| Material nut | High alloy steel, non-corrosive |
| Material static seals | NBR |
| Material tie rod | High alloy steel, non-corrosive |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |



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