

Mini guided drive

DFC-6-30-P-A-KF

Part number: 189466

FESTO

For position sensing with ball bearing guide.
Sensor bracket is included in scope of delivery



Data sheet

| Feature | Value |
|---|---|
| Centre of gravity distance from working load to yoke plate | 10 mm |
| Stroke | 30 mm |
| Piston diameter | 6 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | Guide |
| Position detection | For proximity sensor |
| Operating pressure MPa | 0.15 ... 1 MPa |
| Working pressure | 1.5 ... 10 bar |
| Max. speed | 1 m/s |
| Mode of operation | double-acting |
| 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) |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Ambient temperature | -5 ... 60 °C |
| Impact energy in end positions | 0.008 Nm |
| Max. torque Mx | 0.1 Nm |
| Max. useful load as a function of the stroke at defined distance xs | 4.6 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 12.5 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 17 N |
| Moving mass | 8.8 g |
| Moving mass with 0 mm stroke | 8.8 g |
| Additional mass factor per 10 mm of stroke | 2.8 g |
| Product weight | 55 g |
| Pneumatic connection | M3 |
| Material cover | Wrought Aluminum alloy |
| Material seals | NBR |
| Material housing | Wrought Aluminum alloy |
| Material piston rod | High alloy steel, non-corrosive |