

# mini guided drive DFC-10-30-P-A-KF

Part number: 189478

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          | 15 mm   |
| Stroke  | 30 mm   |
| Piston diameter   | 10 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  | 0.1 ... 1 MPa   |
| Operating pressure  | 1 ... 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                                      | 0.05 Nm   |
| Max. torque Mx  | 0.3 Nm  |
| Max. useful load as a function of the stroke at defined distance xs | 9.8 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting            | 35 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance               | 47 N  |
| Moving mass   | 27.2 g  |
| Moving mass with 0 mm stroke  | 27.2 g  |
| Additional mass factor per 10 mm of stroke                          | 7.2 g   |
| Product weight  | 134 g   |
| Pneumatic connection  | M5  |
| Material cover  | Wrought Aluminium alloy   |
| Material seals  | NBR   |
| Material housing  | Wrought Aluminium alloy   |
| Material piston rod   | High alloy steel, non-corrosive   |