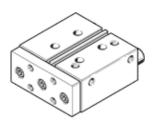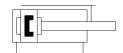# guided drive
# DFM-63-200-P-A-KF

Part number: 170959

★ Core product range

With integrated guide.
The proximity switch, type SMTSO-8E, can be used with this product with stroke lengths equal to or greater than 50 mm. The corresponding mounting kit, type SMB-8E, is mounted inwardly or outwardly.

**FESTO**

## Data sheet

| Feature | Value |
|---|---|
| Centre of gravity distance from working load to yoke plate | 50 mm |
| Stroke | 200 mm |
| Piston diameter | 63 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 | 0.6 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-B1/B2-L |
| Ambient temperature | -5 … 60 °C |
| Impact energy in end positions | 1.3 Nm |
| Max. force Fy | 1,487 N |
| Max. force Fy static | 1,600 N |
| Max. force Fz | 1,487 N |
| Max. force Fz static | 1,600 N |
| Max. torque Mx | 92.97 Nm |
| Max. torque Mx static | 100 Nm |
| Max. torque My | 62.46 Nm |
| Max. torque My static | 67.2 Nm |
| Max. torque Mz | 62.46 Nm |
| Max. torque Mz static | 67.2 Nm |
| Max. permissible torque load Mx as a function of the stroke | 13.68 Nm |
| Max. useful load as a function of the stroke at defined distance xs | 189 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 1,750 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 1,870 N |
| Moving mass | 3,660 g |
| Product weight | 9,429 g |
| Centre of gravity of the moving mass as a function of the stroke | 106.5 mm |
| alternative connections | See product drawing |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | NBR |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |