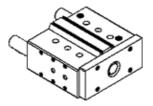
guided drive DFM-100-25-P-A-KF Part number: 170967

With integrated guide.

The proximity switch, type SMTSO-8E, can be used with this product with stroke lengths of 20 to 40 mm only when the corresponding mounting kit, type SMB-8E, is mounted outwardly.



Data sheet

| Feature | Value |
|---|---|
| Centre of gravity distance from working load to yoke plate | 125 mm |
| Stroke | 25 mm |
| Piston diameter | 100 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 | 0.5 10 bar |
| Max. speed | 0.4 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 |
| Ambient temperature | -5 60 °C |
| Impact energy in end positions | 1 Nm |
| Max. force Fy | 3,043 N |
| Max. force Fy static | 5,400 N |
| Max. force Fz | 3,043 N |
| Max. force Fz static | 5,400 N |
| Max. torque Mx | 286.02 Nm |
| Max. torque Mx static | 507.6 Nm |
| Max. torque My | 76.06 Nm |
| Max. torque My static | 135 Nm |
| Max. torque Mz | 76.06 Nm |
| Max. torque Mz static | 135 Nm |
| Max. permissible torque load Mx as a function of the stroke | 25.7 Nm |
| Max. useful load as a function of the stroke at defined distance xs | 332 N |
| Theoretical force at 6 bar, return stroke | 4,418 N |
| Theoretical force at 6 bar, advance stroke | 4,712 N |
| Moving mass | 5,696 g |
| Product weight | 10,520 g |
| Centre of gravity of the moving mass as a function of the stroke | 35 mm |
| alternative connections | See product drawing |
| Pneumatic connection | G3/8 |
| Materials note | Free of copper and PTFE |
| | Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | NBR |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |

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