

Guided actuator DFM-63- -B

Part number: 534770

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 25 mm...400 mm |
| Piston diameter | 63 mm |
| Drive unit operating mode | Yoke |
| Cushioning | Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends Pneumatic shock absorber, soft characteristic curve |
| Mounting position | Any |
| Guide | Sliding guide Recirculating ball bearing guide |
| Structural design | Guide |
| Position sensing | For proximity sensor |
| Variants | Heat-resistant seals max. 120°C |
| Operating pressure | 0.1 MPa...1 MPa 1 bar...10 bar |
| Mode of operation | Double-acting |
| CE marking (see declaration of conformity) | as per EU explosion protection directive (ATEX) |
| UKCA marking (see declaration of conformity) | acc. to UK EX instructions |
| Explosion prevention and protection | Zone 1 (ATEX) Zone 2 (ATEX) |
| ATEX category gas | II 2G |
| Type of ignition protection for gas | Ex h IIC T4 Gb |
| Explosive ambient temperature | -20°C ≤ Ta ≤ +70°C |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 0 - No corrosion stress 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...120 °C |
| Impact energy in the end positions | 0.65 J...1.3 J |
| Theoretical force at 6 bar, retracting | 1750 N |
| Theoretical force at 6 bar, advancing | 1870 N |
| Alternative connections | See product drawing |
| Pneumatic connection | G1/4 |

| Feature | Value |
|---------------------|----------------------------|
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy |
| Seals material | NBR |
| Housing material | Wrought aluminum alloy |
| Piston rod material | High-alloy stainless steel |