

Mini guided drive DFC-10-25-P-A-GF

Part number: 189471

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Distance from centre of gravity of load to yoke plate xs | 15 mm |
| Stroke | 25 mm |
| Piston diameter | 10 mm |
| Operating mode, drive unit | Yoke |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | Any |
| Guide | Plain-bearing guide |
| Design | Guidance |
| Position detection | Via proximity switch |
| Symbol | 00991737 |
| Operating pressure | 0.1 MPa ... 1 MPa |
| Operating pressure | 1 bar ... 10 bar |
| Max. speed | 1 m/s |
| Mode of operation | Double-acting |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Ambient temperature | -5 °C ... 60 °C |
| Impact energy in end positions | 0.05 J |
| Max. moment Mx | 0.4 Nm |
| Max. effective load dependent upon stroke at defined distance xs | 12.2 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 35 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 47 N |
| Torsional backlash | 0.04 deg |
| Moving mass | 27.2 g |
| Moving mass for 0 mm stroke | 27.2 g |
| Additional moving mass per 10 mm stroke | 7.2 g |
| Product weight | 125 g |
| Pneumatic connection | M5 |
| Material cover | Wrought aluminium alloy |
| Material seals | NBR |
| Material housing | Wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |