

# Mini guided drive DFC-6-15-P-A-GF

Part number: 189457

FESTO



 [General operating condition](#)

## Data sheet

| Feature  | Value  |
|--|--|
| Distance from centre of gravity of load to yoke plate xs         | 10 mm  |
| Stroke   | 15 mm  |
| Piston diameter  | 6 mm   |
| Operating mode, drive unit                                       | Yoke   |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Guide  | Plain-bearing guide  |
| Design   | Guidance   |
| Position detection   | Via proximity switch   |
| Symbol   | 00991737   |
| Operating pressure   | 0.15 MPa ... 1 MPa   |
| Operating pressure   | 1.5 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                                   | 0.008 J  |
| Max. moment Mx   | 0.1 Nm   |
| Max. effective load dependent upon stroke at defined distance xs | 4.8 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke      | 12.5 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke     | 17 N   |
| Torsional backlash   | 0.05 deg   |
| Moving mass  | 8.8 g  |
| Moving mass for 0 mm stroke                                      | 8.8 g  |
| Additional moving mass per 10 mm stroke                          | 2.8 g  |
| Product weight   | 39 g   |
| Pneumatic connection   | M3   |
| Material cover   | Wrought aluminium alloy  |
| Material seals   | NBR  |
| Material housing   | Wrought aluminium alloy  |
| Material piston rod  | High-alloy stainless steel   |