

# guided drive DFM-25-80-P-A-GF

Part number: 170852

★ Core product range

FESTO

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.



## Data sheet

Feature	Value
Centre of gravity distance from working load to yoke plate	50 mm
Stroke	80 mm
Piston diameter	25 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Plain-bearing guide
Design structure	Guide
Position detection	For proximity sensor
Operating pressure	1.5 ... 10 bar
Max. speed	0.8 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	1 - Low corrosion stress
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.3 Nm
Max. permissible torque load Mx as a function of the stroke	3.2 Nm
Max. useful load as a function of the stroke at defined distance xs	96 N
Theoretical force at 6 bar, return stroke	247 N
Theoretical force at 6 bar, advance stroke	295 N
Moving mass	904 g
Product weight	1,993 g
alternative connections	See product drawing
Pneumatic connection	G1/8
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