

# guided drive DFM-25-25-P-A-KF

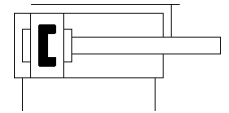
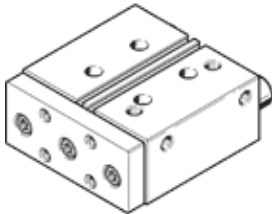
Part number: 170923

★ Core product range

FESTO

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	50 mm
Stroke	25 mm
Piston diameter	25 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	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	0 - No corrosion stress
Ambient temperature	-5 ... 60 °C
Impact energy in end positions	0.3 Nm
Max. force F <sub>y</sub>	863 N
Max. force F <sub>y</sub> static	1,060 N
Max. force F <sub>z</sub>	863 N
Max. force F <sub>z</sub> static	1,060 N
Max. torque M <sub>x</sub>	29.35 Nm
Max. torque M <sub>x</sub> static	36.04 Nm
Max. torque M <sub>y</sub>	12.52 Nm
Max. torque M <sub>y</sub> static	15.37 Nm
Max. torque M <sub>z</sub>	12.52 Nm
Max. torque M <sub>z</sub> static	15.37 Nm
Max. permissible torque load M <sub>x</sub> as a function of the stroke	5.77 Nm
Max. useful load as a function of the stroke at defined distance xs	105 N
Theoretical force at 6 bar, return stroke	247 N
Theoretical force at 6 bar, advance stroke	295 N
Moving mass	611 g
Product weight	1,221 g
Centre of gravity of the moving mass as a function of the stroke	26.4 mm
alternative connections	See product drawing
Pneumatic connection	G1/8
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