

Rotary module ERMB-25

Part number: 552707

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Size	25
Design	Electromechanical rotary module With toothed belt
Mounting position	optional
Rotation angle	Infinite
Gear unit ratio	4:1
Repetition accuracy	$\pm 0.03^\circ$
Position detection	Via inductive sensors
Permissible mass moment of inertia	0.5 kgm^2
Product weight	1460 g
Drive pinion diameter	8 mm
Toothed-belt pitch	3 mm
Max. drive output speed	300 rpm
Max. drive input speed	1200 rpm
Max. output torque	8.8 Nm
Max. drive torque	2.2 Nm
Frictional torque independent of load	$< 0.18 \text{ Nm}$
Degree of protection	IP20
Sound pressure level	49 dB(A)
Ambient temperature	$-10^\circ\text{C} \dots 60^\circ\text{C}$
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS-compliant
Material housing	Anodised
Material drive shaft	Wrought aluminium alloy Anodised
Material drive shaft	High-alloy stainless steel
Material cover	Wrought aluminium alloy Anodised
Material toothed belt	Polychloroprene with glass fibre