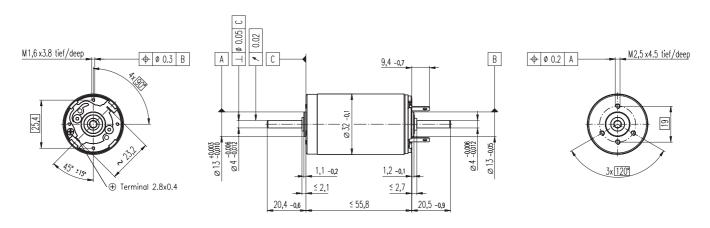
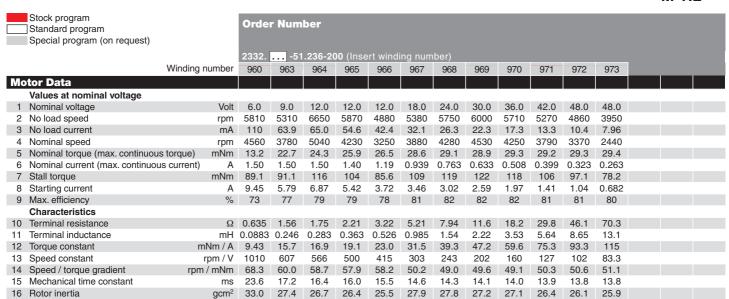
\$ 2332 Ø32 mm, Graphite Brushes, 15 Watt, € approved



M 1:2



Thermal data 125K/W Thermal resistance housing-ambient Thermal resistance winding-housing 1.9 K / W Thermal time constant winding 10.9 s Thermal time constant motor 1440 s Ambient temperature ... +100°C Max. permissible winding temperature +125°C

Mechanical data (ball bearings)

Max permissible speed 9200 rpm Axialspiel 0.5 - 0.15 mm Radial play 0.025 mm Max. axial load (dynamic) 5.6 N Max. force for press fits (static) 113 N (static, shaft supported) 1200 N 28 Max. radial loading, 5 mm from flange

28 N

13

230 g

Planetary Gearhead

Planetary Gearhead

0.4 - 2.0 Nm

Ø32 mm 0.75 - 4.5 Nm

Page 228

Page 229

Other specifications

29 Number of pole pairs

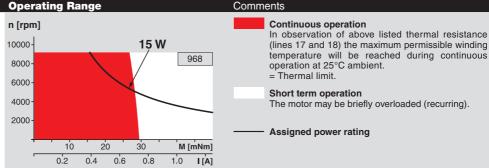
Number of commutator segments

Weight of motor

Values listed in the table are nominal. Explanation of the figures on page 47.

Option

Sleeve bearings in place of ball bearings Pigtails in place of terminals



maxon Modular System

Overview on page 16 - 21 **Encoder HEDS 5540**

> 3 channels Page 255 Encoder HEDL 5540

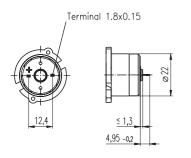
3 channels Page 257 DC-Tacho DCT 0.52 V Page 263

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portant Infor

Important Information

- Tacho with moving coil, maxon system.
- Tacho with precious metal commutation.
- To establish total inertia add motor and tacho inertias.
- With the output shaft turning CW as seen from the mounting surface, the tacho output voltage will be positive at the + terminal.
- A high impedance load is recommended at tacho terminals.
- The tacho current should be kept low.
- The indicated resonance frequency refers to the motor-tacho rotor system.



DC-Tacho DCT 22, 0.52 Volt



Stock program
Standard program
Special program (on request)

Shaft diameter (mm)

Order Number								
118908	118909	118910						
110000	110000	110010						

3

4

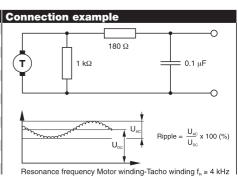
2





→		→						
Combination								
+ Motor	Page	+ Gearhead	Page	Overall length [mm] / • se	e: + Gearl	head		
RE 25, 10 W	76			76	8			
RE 25, 10 W	76	GP 26, 0.5 - 2.0 Nm	226	•				
RE 25, 10 W	76	GP 32, 0.4 - 2.0 Nm	228	•				
RE 25, 10 W	76	GP 32, 0.75 - 4.5 Nm	229	•				
RE 25, 10 W	76	GP 32, 1.0 - 6.0 Nm	231	•				
RE 25, 20 W	78			76	.8			
RE 25, 20 W	78	GP 26, 0.5 - 2.0 Nm	226	•				
RE 25, 20 W	78	GP 32, 0.4 - 2.0 Nm	228	•				
RE 25, 20 W	78	GP 32, 0.75 - 4.5 Nm	229	•				
RE 25, 20 W	78	GP 32, 1.0 - 6.0 Nm	231	•				
RE 26, 18 W	79			79	8			
RE 26, 18 W	79	GP 26, 0.5 - 2.0 Nm	226	•				
RE 26, 18 W	79	GP 32, 0.4 - 2.0 Nm	228	•				
RE 26, 18 W	79	GP 32, 0.75 - 4.5 Nm	229	•				
RE 26, 18 W	79	GP 32, 1.0 - 6.0 Nm	231	•				
RE 35, 90 W	81					89.0		
RE 35, 90 W	81	GP 32, 0.75 - 4.5 Nm				•		
RE 35, 90 W	81	GP 32, 1.0 - 6.0 Nm	231			•		
RE 35, 90 W	81	GP 32, 8 Nm	233			•		
RE 35, 90 W	81	GP 42, 3.0 - 15 Nm	235			•		
RE 36, 70 W	82					89.3		
RE 36, 70 W	82	GP 32, 0.4 - 2.0 Nm	228			•		
RE 36, 70 W	82	GP 32, 0.75 - 4.5 Nm				•		
RE 36, 70 W	82	GP 32, 1.0 - 6.0 Nm	231			•		
RE 36, 70 W	82	GP 42, 3.0 - 15 Nm	235			•		

Technical Data			
Output voltage per 1000 rpm	0.52 V	Max. recommended current	10 mA
Terminal resistance tacho	56.6Ω	Tolerance of the output voltage	± 15 %
Typical peak to peak ripple	≤6%	Rotor inertia (tacho only)	< 3 gcm ²
Ripple frequency per turn	14	Resonance frequency with motors on p. 76	6 - 79 > 2 kHz
Linearity between 500 and 5000 rpm unload	led ± 0.2 %	with motors on pages 86, 88	> 3 kHz
Linearity with 10 kΩ load resistance	± 0.7 %	with motors on pages 81, 82	> 4.5 kHz
Reversal error	± 0.1 %	Temperature range	-20 +65°C
Temperature coefficient of EMF (magnet)	-0.02 % /°C		
Temperature coefficient of coil resistance	+0.4 % /°C	Option: Pigtails in place of solder terminals	5.



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