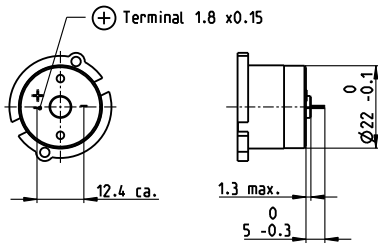


DC Tacho DCT 22 0.52 Volt



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.

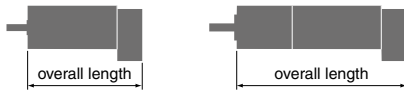
- Stock program
- Standard program
- Special program (on request)

Part Numbers

| | |
|--------|--------|
| 118909 | 118910 |
|--------|--------|

Type

| | | |
|---------------------|---|---|
| Shaft diameter (mm) | 3 | 4 |
|---------------------|---|---|



maxon Modular System

| + Motor | Page | + Gearhead | Page | Overall length [mm] / ● see Gearhead |
|-------------|---------|----------------------|---------|--------------------------------------|
| RE 25 | 125/127 | | | 76.8 |
| RE 25 | 125/127 | GP 26, 0.75 - 4.5 Nm | 340 | ● |
| RE 25 | 125/127 | GP 32, 0.75 - 4.5 Nm | 342/343 | ● |
| RE 25 | 125/127 | GP 32, 1.0 - 6.0 Nm | 346 | ● |
| RE 25 | 125/127 | GP 32, 1.0 - 4.5 Nm | 352 | ● |
| RE 25 | 125/127 | GP 32 S | 374-378 | ● |
| RE 25, 20 W | 126 | | | 65.3 |
| RE 25, 20 W | 126 | GP 22, 0.5 - 1.0 Nm | 333 | ● |
| RE 25, 20 W | 126 | GP 26, 0.75 - 4.5 Nm | 340 | ● |
| RE 25, 20 W | 126 | GP 32, 0.75 - 4.5 Nm | 342/343 | ● |
| RE 25, 20 W | 126 | GP 32, 0.75 - 6.0 Nm | 346 | ● |
| RE 25, 20 W | 126 | GP 32, 1.0 - 4.5 Nm | 352 | ● |
| RE 25, 20 W | 126 | GP 32 S | 374-378 | ● |
| RE 35, 90 W | 130 | | | 89.1 |
| RE 35, 90 W | 130 | GP 32, 0.75 - 6.0 Nm | 342-349 | ● |
| RE 35, 90 W | 130 | GP 32, 4.0 - 8.0 Nm | 350 | ● |
| RE 35, 90 W | 130 | GP 42, 3.0 - 15 Nm | 354 | ● |
| RE 35, 90 W | 130 | GP 32 S | 374-378 | ● |

Technical Data

| | | | |
|---|-------------|--|----------------------|
| Output voltage per 1000 rpm | 0.52 V | Max. current | 10 mA |
| Terminal resistance tacho | 37.7 Ω | 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. 125-127 | > 2 kHz |
| Linear voltage tolerance, 500 to 5000 rpm | ± 0.2 % | with motors on p. 130 | > 4.5 kHz |
| Linear voltage tolerance with 10 kΩ load resistance | ± 0.7 % | Temperature range | -20 ... +65 °C |
| Polarity error | ± 0.1 % | | |
| Temperature coefficient of EMF (magnet) | -0.02 % /°C | Option: Pigtails in place of solder terminals. | |
| Temperature coefficient of coil resistance | +0.4 % /°C | | |

Connection example

