FORZA2

Technical specifications - Brushless motor

#	Parameter	Specification / Details
1	Input voltage	DC 13.5~23 V Rated voltage: 21 V.
2	Rated current	60 A Maximum average operating current.
3	Operating temperature	0 °C~+40 °C
4	Storage temperature	-25 °C~+80 °C
5	BLDC motor	Brushless sensorless motor with 2 pole pairs.
6	Speed	17500
7	Switch	Speed control switch. Original detail: none.
8	Static leakage current	≤30 μA With the controller in standby after protection has been triggered.
9	Temperature protection	100 ± 5 °C
10	Temperature recovery	80 ± 5 °C
11	Overvoltage protection	≤23 ± 1 V At startup, operation is permitted when battery voltage is below 24 ± 1 V; otherwise the motor does not run.
12	Startup undervoltage protection	≥13.6 ± 1 V At startup, operation is permitted when battery voltage is above 14 ± 1 V; otherwise the motor does not run.
13	Running undervoltage protection	≤13.6 ± 1 V When battery voltage is below 14 ± 1 V, protective shutdown occurs after 500 ± 50 ms.
14	Short circuit protection	120 ± 5 A Time below 50 μs.
15	Overload constant-current limiting	58 ± 5 A
16	Second-level protection	70 ± 5 A 500 ± 50 ms
17	Third-level protection	80 ± 5 A 20 ± 50 ms
18	Protection lock	Function provided. After protection has been triggered, the switch must be released. Restart is permitted after release if the protection condition has cleared.
19	Startup time	<0.2 s Time from switch actuation to motor start: <90 ms.
20	LED off	The LED turns off 5 seconds after the machine is switched off.
21	Standby entry	Standby is entered after 15 seconds of inactivity.

RASOR ELETTROMECCANICA SRL a Socio Unico
Via Giannetto Mattei 41/43 - 20044 Arese (MI) - Italia