

Elife-Drive H4896-6 Type



This technical review shows the main features and technical information of Elife-Drive H4896-6 Type. For further information about this model and its applications, or to define an evaluation of your needs, please refer to our website to contact us.

The main **key features** include:

- The different types of feedback are supported: **Absolute Resolver**, *SinCos*, *Hall Sensors*, *Sensorless*, *Incremental Encoder*, *Tachometer*.
- Advanced algorithms for predictive speed and torque control.
- Telemetry of the Internal functions
- CANopen® communication protocol¹: CiA® DS301 and CiA® DSP402 (Interface Profile Velocity, Profile Position Mode and Torque Profile Mode)
- Electromagnetic Holding Brake Output with DPR System (Dynamic Power Reduction)
- Designed for high voltage applications.
- European Conformity **CE**, and designed and tested in accordance with the *Electromagnetic compatibility* (EMC) emission [EN 61000-6-4] and immunity [EN 61000-6-2] standards.

Specification:

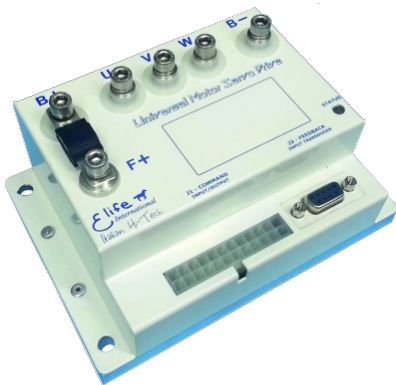
- ☑ Four Quadrant Regenerative Operation
- ☑ Space Vector Modulation Technology
- ☑ Sinusoidal and Trapezoidal Commutation Methods
- ☑ Programmable Gain Setting
- ☑ Fully Configurable Velocity and Position Limits
- ☑ On-the-fly Mode and Gain Set Switching
- ☑ Emergency Deceleration Ramp and Emergency Input

Programmable Input/Output:

- ➡ 2 Programmable High Powered Digital Outputs
- ➡ 1 Programmable 0÷10 V 12-bit Analog Input
- ➡ 5 Programmable Digital Inputs Single Ended
- ➡ 4 Programmable Digital Outputs Singled Ended

Table 1: Description of Elife-Drive H4896-6 Type.

Electrical Box Version:



	VALUE
Nominal Power Supply Voltage: (Operating Range)	96 V (from 43 to 150 V)
Continuous RMS Motor Output Current ^a :	up to 150 A
Available Power:	up to 6 kW
PWM Operating Frequency ^b :	6103 / 16000 Hz
Electrical Insulation at Heat Sink:	500 V (minimum)
Digital Input Pin Voltage:	up to 36 V
Digital Input Pin Current:	1.0 mA @24 V
Digital Output Pin Voltage:	up to 36 V
Digital Output Pin Current:	up to 250 mA
Power Output Voltage: (for brake and power relay)	From 6 to 30 V
Power Output Current: (for brake and power relay)	up to 2 A
Analog Input Voltage:	From 0 to 10 V
Package Environmental Rating:	IP 30
Weight:	1.1 kg
Dimensions H x W x D:	144x100x72 mm (<i>Electrical Box Version</i>) 110x90x56 mm (<i>OEM Version</i>)

^{a)} The value of the maximum continuous (60 min) RMS phase current is ensured with an appropriate heat sink.

^{b)} The PWM frequency can be chosen by the user.



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