

Elife-Drive H2448-2 Type



This technical review shows the main features and technical information of Elife-Drive H2448-2 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)
- Integrated Fuse Holder (only up 80 V)
- 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:

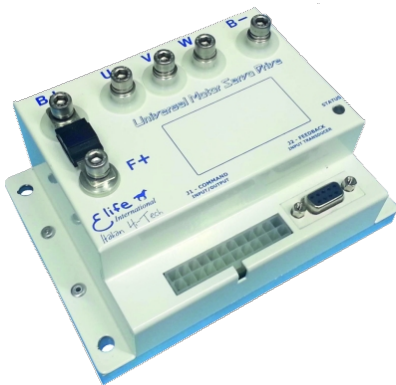
- ☑ Four Quadrant Regenerative Operation
- ☑ Space Vector Modulation Technology
- ☑ Sinusoidal and Trapezoidal Commutation Methods
- ☑ Programmable Gain Setting
- ☑ Fully Configurable Velocity and Position Limits
- ☑ On-the-fly Mode and Gain Set Switching
- ☑ Emergency Deceleration Ramp and Emergency 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 H2448-2 Type.

Electrical Box Version:



| | VALUE |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------|
| Nominal Power Supply Voltage: (Operating Range) | 48 V (from 18 to 70 V) |
| Continuous RMS Motor Output Current ^a : | up to 100 A |
| Available Power: | up to 2 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.



www.elifeinternational.com

+39.0565.944121 info@elifeinternational.com