

Elife-Drive SLC - low cost

VERY COMPACT DIMENSIONS - VERY LOW PROFILE - 150x95x30 mm



This technical review shows the main features and technical information of Elife-Drive SLC.

For further information about this series and to define an evaluation of your needs, please refer to our website to contact us.



Possibility of customizing the firmware for large quantities

The main **key features** include:

- Flexible and scalable, designed to control from 12V to 96V Brushless PMDC and PMSM, Brushed and AC Motors.
- Supported feedback types:
Hall Sensors, SinCos, Incremental Encoder, Fa-Coder, Absolute Encoder, SSI/BiSS Communication Protocol, Resolver
- Advanced algorithms for predictive speed and torque control and telemetry of the Internal functions
- Communication protocol standard: **RS232** for Telemetry and Parameterization
- Communication protocol¹ optional: **CANopen**[®]: CiA[®] DS301 and CiA[®] DSP402
(Profile position mode, Profile velocity mode, Profile torque mode, Cyclic sync position mode, Homing mode)
- Electromagnetic Holding Brake Output with DPR System (Dynamic Power Reduction)
- European Conformity **CE**, designed in accordance with EN 60950-1 safety requirements and EMC standards.

Specification:

- Four Quadrant Regenerative Operation
- Sinusoidal or Trapezoidal Commutation Methods
- Fully Configurable and Programmable
- Programmable Emergency Ramp Input
- Single STO input forces the bridge into High Z
- Auxiliary Input Supply Voltage 9÷32V not mandatory

Main Features:

- ➔ 6 x Programmable Single Ended Digital Inputs
- ➔ 2 x 2A Programmable Digital Outputs
- ➔ 1 x 2A Brake Control Output
- ➔ 1 x 0÷5V 12-bit Analog Input
- ➔ 1 x 5V - 50mA Throttle Output
 - 12V - 24V - 36 - 48V - 72V - 96V versions

dimensions: 150x95x30 mm PHASE CURRENT *	NOMINAL BATTERY VOLTAGE - MAX MOTOR POWER			
	12V - 400W 10V ÷ 22V	24V - 800W 10V ÷ 34V	36V - 1.2kW 10V ÷ 46V	48V - 1.6kW 10V ÷ 54V
35 Arms (88 Arms peak)	SLC12-35-040-x	SLC24-35-080-x	SLC36-35-1.2-x	SLC48-35-1.6-x
70 Arms (176 Arms peak)	SLC12-70-040-x	SLC24-70-080-x	SLC36-70-1.2-x	SLC48-70-1.6-x

dimensions: 150x95x30 mm PHASE CURRENT *	NOMINAL BATTERY VOLTAGE - MAX MOTOR POWER	
	72V - 2.4kW 10V ÷ 100V	96V - 3.2kW 10V ÷ 140V
35 Arms (88 Arms peak)	SLC72-35-2.4-x	SLC96-35-3.2-x
70 Arms (176 Arms peak)	SLC72-70-2.4-x	SLC96-70-3.2-x

* The value of the nominal continuous RMS phase current (60 min) is ensured with an appropriate heat sink.



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