

BUSS-1851-2M

NAVIOP offers a wide range of products that can be used stand-alone, to make limited check or to show small size boats' data, or that can be included within wider configurations for complete control and monitoring systems.

Please contact our official dealer for your Country to choose the most suitable configuration for your project.

EGON +



NAVIOP EGON + is the brand new power distribution board able to supply power to the all boat. It enables to eliminate the electrical panel and to manage the lines through a compact and cheap power distribution system. EGON + reduces the cables necessary on a boat, considerably cutting down costs and time of wiring. As a single and cumbersome electrical panel is not necessary anymore, it is possible to delocalize the power distribution system to better use rooms available on-board.

The EGON unit communicates over a CAN bus using the SAE J1939 protocol and it is an excellent solution to control and monitor circuits up to 20Amps at 12Vdc or up to 10Amps at 24Vdc. By communicating with other devices on the CAN bus network, it can be part of a multiplexing system in order to eliminate the need of individual connections between switches and loads. EGON + is rated at 200 Amps, with individual outputs 12Vdc or 24Vdc rated up to 30Amps with fuses. EGON + controls relays via direction of J1939 CAN bus and reports every second the status of relays and fuses to the J1939 CAN bus, indicating any blown fuse or failed relay. The unit is equipped with 8 outputs controlled via relays and 8 outputs in which the fuse can be only monitored.

Relay By-Pass. The EGON + board has 8 inputs to pilot directly relay coils, assuring in this way a by-pass also in emergency conditions (ex.: failure on the CAN BUS line). These inputs can also be used to realize commands out of the board (ex.: via switch).

Waterproof to high pressure spraying (IP66). EGON + is designed and manufactured with robust features such as a heavy-duty housing, silicon and Gortex gasketing, and protective conformal coated electronics. Based on proven and patented technology it is suited for the most demanding marine applications.

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Ratings

Power supply voltage:	12 Vdc / 24 Vdc
Number of relay channels:	8
Power supply range:	9÷32 Vdc
Dielectric voltage withstanding:	80 Vdc
Current consumption:	1,5 mA in standby
Total amperage limit:	200 A
Total Amps per output connector:	100 A
Fuses Number:	16
Overload:	135%
Temperature rise:	60 °C
Insulation resistance:	10 MOhm
Max load for each channel:	For circuits protected by fuse: max 30A at 12Vdc/24Vdc. For circuits protected by fuse and controlled by relays: max 20A at 12Vdc and max 10A at 24Vdc
Max total load for the card:	200 A

Environmental conditions

Operational temperature:	-40 ÷ 85°C
Storage temperature:	-40 ÷ 125°C
Salt fog:	Subject to a 96 hours period of salt fog per ASTM B117-94
Temperature life:	+85 °C
Thermal Shock:	-40 ÷ 85°C
Mechanical shock:	EC2002), section 6.16
Bombardment test:	24 hours of dust, sand and gravel
Protection class:	IP66
Vibration:	SAE J1455 (R2006), section 4.10 4.2
Chemical resistance:	Brake fluid, AT fluid, Antifreeze, windshield wash fluid, PS fluid, oil

Dimensions

Mechanical dimensions (max):	120X155X90 mm
Housing for auxiliary fuses	

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