

## A-EGON

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

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

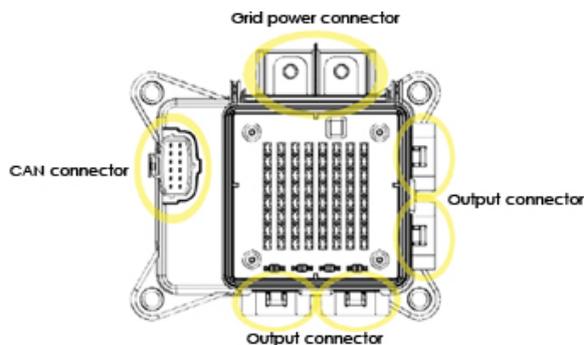
## NAVIOP EGON



**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 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 30Amps at 12Vdc or up to 15Amps at 24Vdc. Communicating with other devices on the CAN bus network, it can be part of a multiplexing system that eliminates the need for individual connections between switches and loads. Egon is rated at 200 Amps, with individual outputs 12Vdc or 24Vdc rated up to 30Amps. Egon controls relays via direction of J1939 CAN bus and reports status of relays and fuses each second 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.

**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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## NAVIOP EGON

### Ratings

Power supply voltage:	12Vdc o 24Vdc
Power supply range:	9 ÷ 32 Vdc
Dielectric voltage withstanding:	80Vdc
Current consumption:	1,5 mA Battery Quiescent Current
Total amperage limit:	200A
Total Amps per output connector:	100A
Overload:	135%
Temperature rise:	60°C
Insulation resistance:	10MOhm
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 30A at 12Vdc and max 15A at 24Vdc
Max total load for the card:	200 Amps

### Environmental conditions

Operational temperature:	-40 ÷ 85°C
Storage temperature:	-40 ÷ 125°C
Salt fog:	Subject to a 96 hour period of salt fog per ASTM B117-94
Temperature life:	+85°C
Thermal Shock:	-40 ÷ 85°C
Mechanical shock:	SAE J2030 (RDEC2002), Section 6.16
Bombardment test:	24 hour 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):	120 x 155 x 90 mm
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Housing for auxiliary fuses.