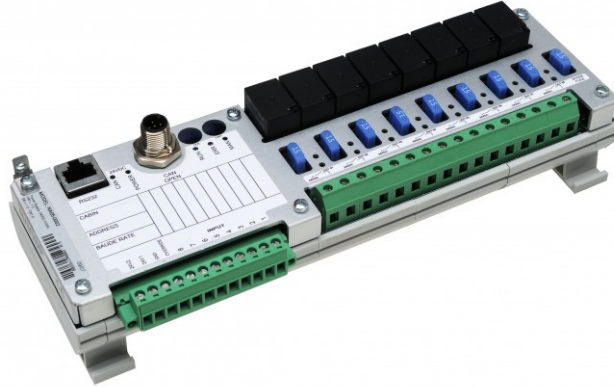


A-NA05

Available versions:
A-NA05-2S, A-NA05-2C,
ANA05-2N

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

Monitoring and control of lights



The relay CANBUS interface controller card has been specifically designed for use in marine environments and lets you control up to 8 separate circuits, each of them being protected by a pull-out fuse. You can set each channel in toggle or pulse mode; output current is 8 Ampere, while the card can tolerate up to a max 50-Ampere load. There is also a housing for an auxiliary fuse (supplied).

The product is RINA certified.

1 CANBUS port to connect to the monitoring and control system through M12 connector; 5 Lumberg-type poles for fast and solid wiring; 1 RS-232 port for card setting; 8 digital inputs. Inputs and preset operation modes can also be selected by means of two rotary switches.

Two separate 24Vdc inputs ensure redundant power supply for on-board electronics.

The card features an override to let you control the privileged outputs (outputs 1 and 4) through pushbuttons in case of malfunctions in the control electronics.

The following card versions are available:

- **Standard (A-NA05-2S):** lets you pilot 8 loads both via CANBUS and via digital inputs
- **Current reading (A-NA05-2C):** lets you pilot 8 loads both via CANBUS and via digital inputs and monitor the “real” feedback on system condition, by reading the actual current absorption for every single controlled channel. The card also reads the battery voltage.
- **Navigation lights (A-NA05-2N):** specially designed to manage navigation and anchor lights. The card reads the actual operation condition of each lamp; special alarms are triggered in case of malfunction of one or more lamps.

Official Dealer:
ACSONMARINE S.r.l.
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info@acsonmarine.com

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Monitoring and control of lights

BUS interface

CANOpen: M12 connector, 5 Lumberg type poles
CAN bus node settings: Through 2 rotary switches (01-89)

Indicators

POWER indicator: Green Led indicates power ON 24 Vdc
RUN indicator: Microprocessor is running
ERR indicator: CAN initialization not completed or no CAN update
Relay control indicator: Yellow led (for each channel)
MAN indicator: Emergency Mode

Controller

CPU: TMBC03- Modulo CAN Open bus

Ratings

Number of relay channels: 8
Power supply voltage: 24 Vdc nominal (+/-25%)
Current consumption: ,65A @ 24Vdc (all relays ON)
Fuse: 15 A - Automotive MINI (Fast type)
Relay piloting: 24 Vdc (+/- 25%) - Typical Current 60mA per relay
Max load for each channel: 8 A (continuous)
Max total load for the card: 50 A @ 50°C
Input connections: 12 pull-out contacts, 5,08 mm (8 digital inputs, 1 override, 1 GND, 2 independent 24 Vdc inputs)
Assembly type: DIN rail support
Type of relay connector: 2 contacts 7,62mm screw connection

Environmental conditions

Operational temperature: 0 - 50°C
Operative and storage humidity: Max 85% (uncondensed air)
Protection class: IP20

Housing

Mechanical dimensions (max): 250 x 77 x 62 mm
Housing type: Plastic case with aluminum top

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