

Distributor/Retailer

**Established  
power distribution**

#### **About Trigentic:**

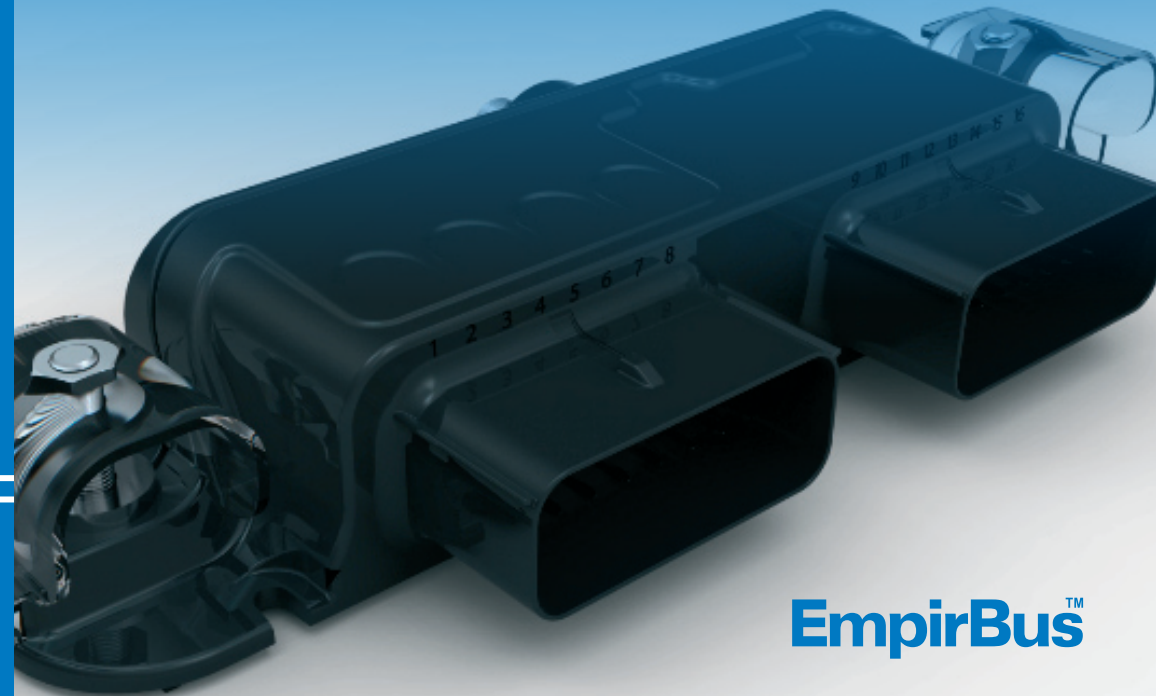
Trigentic have since 2002 built up a unique expertise and product range and offer optimum system solutions to simplify the distribution of electricity.

Trigentic is located in Uddevalla on the Swedish west coast. For more information about the company, please visit [www.trigentic.com](http://www.trigentic.com).

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# EmpirBus™/NXT



**EmpirBus™**

# EmpirBus NXT – the One in all unit

EmpirBus NXT is the new generation of distributed power supply systems, based on more than 10 years experience in power distribution using digital switching. In the NXT generation, we have added our long term experience, together with the market's wishes and not least our own innovative ideas. Some of the many new features:

- Automatic override control, creates greater security and safety
- Advanced motor control, with reversible polarity possible
- Further cable reduction, multiple functions simultaneously on one channel
- Control of complex wiper system, create a complete wiper installation
- Self adapting units, simple service
- Dimming functionality for all channels, full flexibility without limits
- Calendar functions, for automatic control at selected times
- Advanced lighting control, provides full LED brightness control
- Configurable input/output functions, provides a flexible installation with great potential
- Smooth on & off, creates a pleasant ambience
- Analog functions monitor and control analog signals
- Dedicated high current outputs, outputs up to 20A

## Channel overview

The unit contains 16 multifunction channels, each configurable to:

### Output

- Configurable fuse setting up to 20 Amp
- Hi & Low side possibilities for reversible function
- Under current detection, including LED lights
- Dimmable including soft start/stop function

### Digital input

- Configurable thresholds for optimized user settings
- Plus or minus sensing
- LED indication in combination with switch

### Multiplex input

- 1 to 3 functions on the same input

### Analog input

- Voltage 0-32V
- Current 4-20mA
- Resistance

### Tank monitoring

- Tank calibration with set points

### Window Wiper function

- Low speed
- High Speed
- Interval
- Synchronizing in low/high speed or interval

### Override

- Manual on/off

### Calendar function

- Controlled by programmable time schedule

### Channel indication

- Green, running indications
- Red, fuse alarm indication
- Red, channel fault indication

## Technical overview

### Communication

- CAN-bus NMEA 2000
- Galvanically isolated

### Indication

- Power supply ok, green
- Power supply wrong polarity, red
- CAN-bus activity, green
- CAN-bus fail, red
- Base address, 3 digits

### Power supply

- Maximum current 100 A
- Power consumption 0,25 mA
- Supply voltage 9-32VDC

### Enclosure

- IP protection IP65

### Ambient temperature

- -20 to +70 degrees Celsius

### Casing dimensions

- 230 x 106 x 38 mm

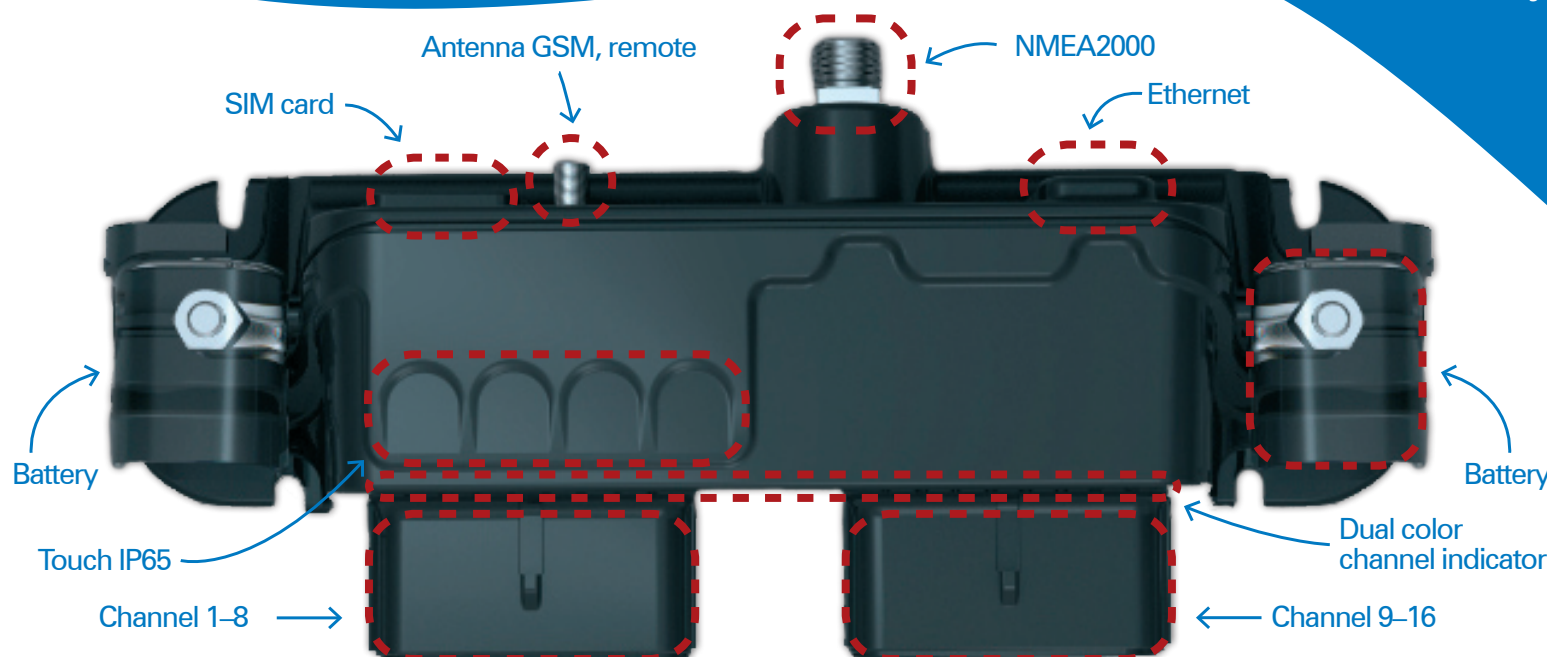
### Regulation compliance

- ABYC
- RoHS

### Self adapting

- Replacement parts automatically configured by system without any need of pc

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