PG8

Gateway

CANopen
J1939

PG8 blink
M A R I N E
www.blinkmarine.com - info@blinkgroup.com

ELECTRICAL	PG8
Supply voltage	12-24V
Standby current	<30mA per gateway

ENVIROMENTAL	
Operating temperature	-40º C to +85º C
IP Rating	IP67

CE ☒

CE

The **Blink Marine PG8** is a gateway module designed to provide customers with additional, simple interface solutions to their Digital Switching Systems at a low cost. PG8 is a perfect integration solution whether you are wanting:

- greater versatility of bespoke choice in switch types and dash appearance
- additional inputs (digital or analogue)
- low power outputs

All while still enjoying all the benefits of CANbus digital power distribution

1. Switch Versatility

The PG8 is a great way to extend the versatility and flexibility of selection in switch types, sensors and dash layouts, yet continue to enjoy all the benefits of digital power distribution. This includes dual control stations, remote trip re-setting and reduced cabling. All of this is available with one low-cost interface gateway. Every range or model that requires a dash layout change becomes a simple process utilizing the same hardware, leaving all the feature enhancements and interconnectivity to new devices networked.

2. Digital/Analogue inputs

The PG8 allows inclusion of up to 8 digital inputs and up to 4 analogue inputs to any given onboard CANbus system. This simplifies management of additional input signals from things such as sensors in a boat or motorhome application.

3. Low power outputs

Thanks to PG8 it is now also possible to manage up to 8 low current outputs (max 150mA), primarily attributed to switch indicator LEDs.

Electrical Features

- 8 inputs that detect either open or switch to ground contacts
- 8 digital inputs
    – Can also be configured as low power outputs
    – Up to 4 circuits can be configured as analogue inputs
- 1 output for CANbus
    – Can also be configured as RS-485
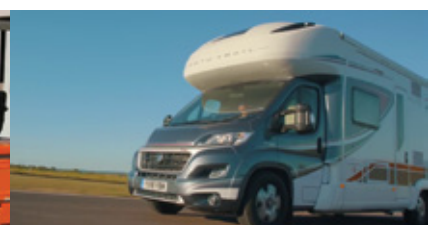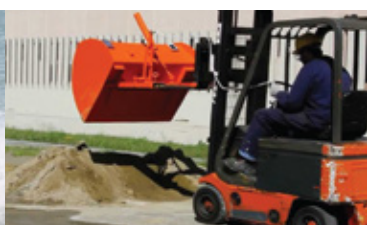External status communication on the bus

Environmental Features

- Operating ambient temperature: -40°C to +85°C
- Storage ambient temperature: -40°C to +85°C
- Humidity: 0 to 98% (non-condensing)
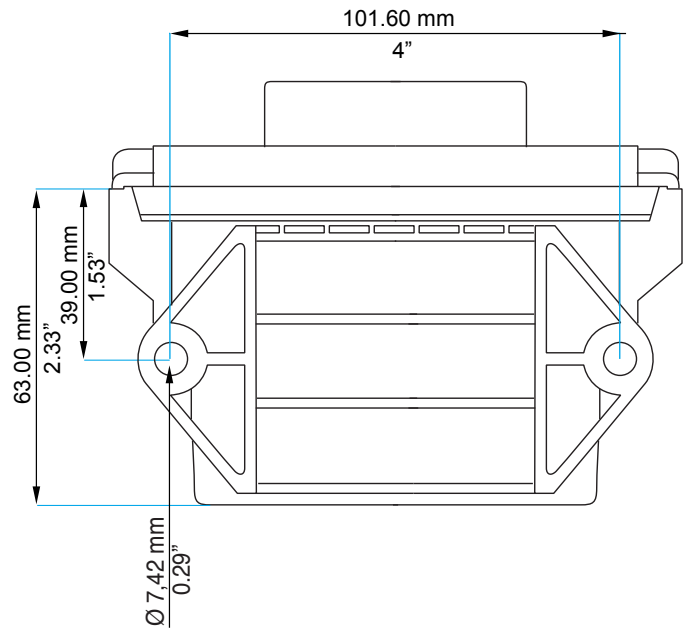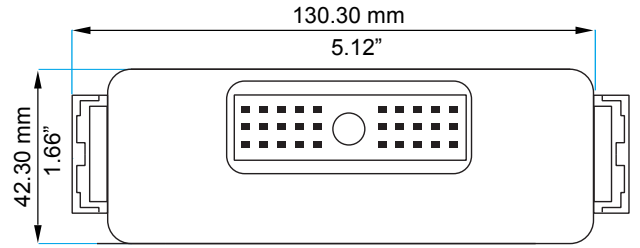- IP67 enclosure

Special Features

- CAN-bus compatible (CANopen/J1939 compliance available)

blink
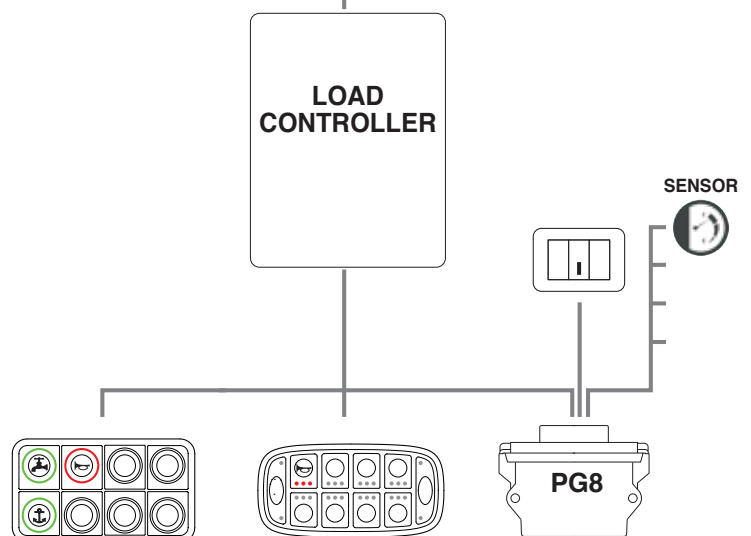M A R I N E

SPECIFICATIONS FOR PG8 GATEWAY

130.30 mm
5.12"

42.30 mm
1.66"

101.60 mm
4"

63.00 mm
2.33"

39.00 mm
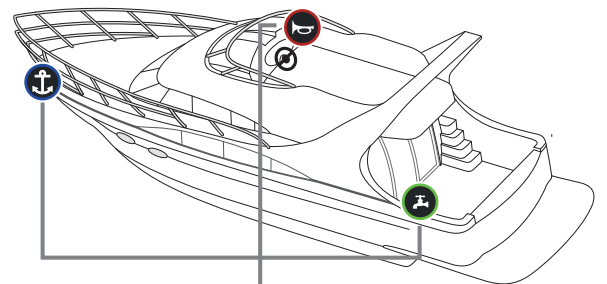1.53"

Ø 7,42 mm
0.29"

ELECTRICAL	PG8
Supply voltage	12-24V Nominal 8-32V
Standby current	<30mA per gateway
Switch indicator current	150mA per indicator (internally limited)
Communication BUS	CANbus (CANopen or J1939) or RS485

MECHANICAL

Connector	Cinch 581-01-30-064
Mating connector	Cinch 581-01-30-029
Housing/cover	33% Glass Filled Polymer
PC board	0.062" thick, Nema Grade FR-4, Double clad with 1oz copper

ENVIRONMENTAL

Operating temperature	-40ºC to +85ºC
Storage temperature	-40ºC to +85ºC
Humidity	0 to 98% (no condensation)
Salt spray	Per ASTMB117
Ingress Protection Rating	IP67

FEATURES

Size mm/inches	63x130,3x42,3/2.33x5.12x1.66
Weight	185 gr

LOAD CONTROLLER

SENSOR

PG8