# PG8

CANbus Compatible
*(CANopen / J1939 Compliance Available)*

## OVERVIEW

The GEC PG8 is a gateway module designed to provide customers with additional interface solutions to their digital systems at a low cost. PG8 is a perfect integration solution whether you are wanting:

- Additional 8 x Digital Inputs
- Additional 4 x Analogue Inputs
- Additional Low Power Outputs (Max 150mA)

# GATEWAY



| E6441 | **Googolplex** Electric Co. | www.googolplex.com.au |
| --- | --- | --- |
| GATEWAY | | |

**PG8**

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

| ENVIRONMENTAL | ENVIRONMENTAL |
| --- | --- |
| Operating temperature | -40 C to 85 C |
| IP Rating | IP67 |

Part No. GEC-PG8

## FEATURES

**SWITCH VERSATILITY:**
The PG8 is a great way to extend the versatility and flexibility of selection in switch types and sensors, 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 a single interface gateway.

**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 CANbus messaging, sensors or actuators in a work truck or agriculture application.

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

## SPECIAL FEATURES

- Field programmability of electrical functions and current limit trip points available to authorised OEMs and Value-Added Resellers (VARs).
- 100% compatible with the previous generation PC21 load controllers by DSS/DNA.

## 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
- External status communication on the bus

# INTELLIGENT POWER

# SPECIFICATIONS

## ELECTRICAL

| | |
|---|---|
| Supply Voltage | 12-24V Nominal 8-32V |
| Standby Current | <30mA Per Gateway |
| Communication Bus | CANbus (CANopen or J1939) or RS485 |
| Switch Indicator Current | 150mA Per Indicator (Internally Limited) |

## MECHANICAL

| | |
|---|---|
| Connector | Cinch 581-01-30-064 |
| Mating Connector | Cinch 581-01-30-029 |
| Housing/Cover | 33% Glass Filled Polymer |
| PC Board | 1mm Thick, Nema Grade FR-4, Double Clad with 1oz Copper |

## OTHER FEATURES

| | |
|---|---|
| Size mm / inches | 63 x 130, 3 x 42, 3/2, 33 x 5, 12 x 1.66 |
| Weight | 185g |

## ENVIRONMENTAL

| | |
|---|---|
| Operating Temperature | -40℃ to +85℃ |
| Storage Temperature | -40℃ to +85℃ |
| Humidity | 0 to 98% (No Condensation) |
| Salt Spray | Per ASTMB117 |
| Ingress Protection Rating | Ip67 |

# DIMENSIONS

101.60 mm
4"

63.00 mm
2.33"

39.00 mm
1.53"

Ø 7.42 mm
0.29"

130.30 mm
5.12"

42.30 mm
1.66"

LOAD CONTROLLER

SENSOR

PG8

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