

Data Sheet

Gateway Interface Communicator

CG150-2 CAN/USB



The Danfoss CG150-2 CAN Interface is an element of the PLUS+1® family of mobile machine management products. The CG150-2 provides a compact and cost effective gateway interface between PLUS+1® Compliant modules on the PLUS+1® Controller Area Network (CAN) and a personal computer (PC) USB port.

The CG150-2 communicator provides the application download of programs to PLUS+1® Compliant devices on the PLUS+1® CAN network and upload/download of application tuning parameters.

Device drivers are imbedded in the PLUS+1® GUIDE (Graphical User Integrated Development Environment) service and diagnostic tool software.

The CG150-2 is compatible with Bosch CAN standard 2.0 A & B (standard and extended data frames) and USB standard 2.0 (Hi-speed).



Features

- USB powered
- Supports CAN bit rates up to 1000 kb per second
- CAN messages are time-stamped in 100 ms increments
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B) identifiers
- Supports data and remote frames
- Equipped with 110 cm [44 in] length USB cable and 30 cm [12 in] length CAN cable
- Interface the CAN bus with 9-pin D-SUB connector
- Designed for USB 2.0 (Hi-speed)
- Microsoft Windows XP®; 7; and 8 platforms
- Plug and Play installation
- CAN bus monitor software available at: <http://powersolutions.danfoss.com/products/PLUS-1-GUIDE/PLUS-1-software-tools/>

Comprehensive technical literature online
at powersolutions.danfoss.com

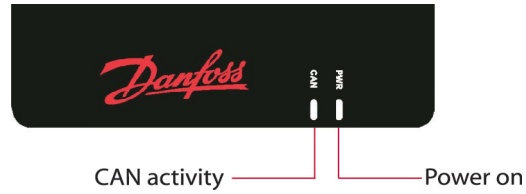
Technical data

| | |
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| Dimensions | 35 x 165 x 17 mm |
| Power supply | USB |
| Current consumption | (approximately) 90 mA@5V |
| Operating temperature range | 0° C – 70° C [32° F – 158° F] |
| Storage temperature range | -40° C – 85° C [-40° F – 185° F] |
| USB version | 2.0 (Hi-speed) |
| Clock accuracy | 100 µs |
| LED indicators | 2 |
| Bit rate (kb/sec) | 40 – 1000 Kbits/sec |
| CAN physical layer | High speed (ISO 11898-2) |
| Galvanic Isolation | Yes |
| Clock synchronization of multiple devices | No |
| Maximum message rates msgs/sec | 8000 |
| Time stamp (bits) | 32 |
| Error counters reading | No |
| Mix 11/29 bit messages | Yes |
| Error frame detection | Yes |
| Error frame generation | No |
| Silent mode | No |
| Sound indicator | No |
| CAN connector | 9-pin male D-SUB |
| USB cable length | 110 cm [44 in] |
| CAN cable length | 30 cm [12 in] |
| Auto transmit buffers | No |
| Auto response buffers | No |
| Load dump protection | Yes |
| Polyurethane cabling | Yes |

Ordering Information

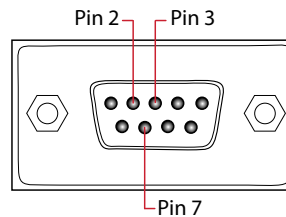
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| CG150-2 CAN/USB Gateway Interface Communicator | Part Number 11153051 |
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Status Light



CAN pin configuration

9-pin male connector, front-side view



| Pin | Function |
|-----|----------------|
| 1 | - |
| 2 | CAN - |
| 3 | Shield/ Ground |
| 4 | - |
| 5 | - |
| 6 | - |
| 7 | CAN + |
| 8 | - |
| 9 | - |

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