Mobile Machine Management
This product is an element of the flexible, powerful and expandable PLUS+1® family of mobile machine management products. Expansion modules provide cost-effective additional I/O to mobile machine control systems.

Product Highlights
Expansion modules are associated with a PLUS+1® controller. PLUS+1® GUIDE (Graphical User Integrated Development Environment) applications running in the controller read inputs from and write outputs to expansion module pins as if the pins are physically located on the controller. Pin properties are configured in the controller’s GUIDE application.

PLUS+1® compliance eliminates need for the system designer to write CAN transmit and receive messages in both the controller and associated expansion modules.

Application Development
Users configure expansion modules using PLUS+1® GUIDE. This Microsoft® Windows®-based development environment features a user-friendly, field proven, icon-based graphical programming tool, application downloader, and service/diagnostic tool.

Features
- 12 pin DEUTSCH DTM connector
- 10 to 36 Vdc power supply, monitored internally
- 1 CAN 2.0B port, the fixed range analog input can be configured as the shield pin
- Power supply for external sensors rated at 5 Vdc to 100 mA and regulated internally
- 3 mounting alternatives: stack, end, or side
- CE compliant

6 Inputs
- (3) universal (DIN/AIN/FreqIn) that are user-defined as either: Analog: with configurable ranges 0 to 5.25 Vdc (with over range protection) or 0 to 36 Vdc; Digital: pull up (5 Vdc) or pull down (0 Vdc); Frequency (timing): 1 Hz to 10 kHz
- (2) analog (AIN/Temp/Rheo) 0 to 5.25 Vdc or 0 to 10,000 ohm rheostat
- (1) fixed range analog (AIN/CAN shield) 0 to 5.25 Vdc or CAN shield pin

Comprehensive technical literature online at powersolutions.danfoss.com

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IX012-010 Dimensions and Pin Assignments

mm [in]

12 Pin Connector

Use care when wiring mating connector. Above pinouts are for device pins.

Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Part number</th>
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<tbody>
<tr>
<td>IX012-010</td>
<td>10100995</td>
</tr>
<tr>
<td>CG150 CAN/USB Gateway</td>
<td>10104136</td>
</tr>
<tr>
<td>DEUTSCH mating connector bag assembly</td>
<td>10102025 (16 to 20 AWG)</td>
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<tr>
<td>PLUS+1 GUIDE single user license</td>
<td>10101000</td>
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