

# Certificate of Compliance

**Certificate:** 2080082

**Master Contract:** 240700

**Project:** 2080082

**Date Issued:** October 20, 2008

**Issued to:** Cooper Crouse Hinds GmbH  
Neuer Weg Nord 49  
69412 Eberbach  
Germany  
Attention Mr H. Huter

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



**Issued by:** E. Giusti

**Authorized by:** M.H.J. Hoendervangers  
Area Director Europe



## PRODUCTS

CLASS 6238 03 - RECEPTACLES-Attachment Plug Type and Plugs-With Switch - For Hazardous Locations  
CLASS 6238 83 - RECEPTACLES-Attachment Plug Type and Plugs-With Switch - For Hazardous Locations-  
Certified to U.S. Standards

Class I, Zone 1, AEx ed IIC; Class I, Zone 1, Ex ed IIC  
Class II, Division 1, Groups E, F, and G

3, 4 and 5-wires Plugs and Receptacles, Interlocked with Switches for use in hazardous locations. Series GHG  
51x xxxx Lxxxx.

Ratings of the devices are as follows:

- GHG 511 xxxx Lxxxx: 20A, max. 600V
- GHG 512 xxxx Lxxxx: 30A, max. 600V

For GHG 511 models:

Ambient Temperature: -45°C ... +40°C for T6 with maximum current of 20A.

Ambient Temperature: -45°C ... +50°C for T6 with maximum current of 17A.

Ambient Temperature: -45°C ... +55°C for T6 with maximum current of 15A.

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

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| Series No. | Torque (in. – lb) |
|------------|-------------------|
| 511        | 15                |
| 512        | 22                |

11- Nonconductive Mounting Means – These devices are not provided with a conductive connection between the mounting means and the ground terminal, pin or contact. These devices shall be marked where readily visible during installation ‘CAUTION – Mounting Means Not Grounded. Grounding Wire Connection Required’ or equivalent wording following the word “CAUTION”.

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For GHG 512 models:

Ambient Temperature: -45°C ... +55°C for T6 with maximum current of 30A.

These products are suitable for use in Class I, Division 2, Groups A, B, C and D as stated in CEC Part I, Appendix J1.2 and in NFPA70, Article 501.5. In this case, the products shall be installed according to Class Zone 1 installation rules.

Note:

Models GHG 511 8xxx Lxxxx and GHG 512 8xxx Lxxxx are flange-mounted socket outlet and are certified as components. The final assembly shall be subject to evaluation by local authorities having jurisdiction.

### APPLICABLE REQUIREMENTS

|                        |   |
|------------------------|---|
| CEC, Part I            | Canadian Electrical Code  |
| C22.2 No. 182.1-02     | Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type   |
| C22.2 No. 60079-0-02   | Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements                             |
| C22.2 No. 60079-1-02   | Electrical Apparatus for Explosive Gas Atmospheres - Part 1: Flameproof Enclosures "d"                        |
| C22.2 No. 60079-7-03   | Electrical Apparatus for Explosive Gas Atmospheres - Part 7: Increased Safety "e"                             |
| C22.2 No. 61241-1-1-03 | Electrical apparatus protected by enclosures and surface temperature limitation – Specification for apparatus |
| NFPA 70                | National Electric Code  |
| UL 1682                | Plugs, Receptacles and Cable Connectors, of the Pin and Sleeve Type   |
| UL 1686                | Pin and Sleeve Configurations   |
| UL 60079-0             | Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements                             |
| UL 60079-1             | Electrical Apparatus for Explosive Gas Atmospheres - Part 1: Flameproof Enclosures "d"                        |
| UL 60079-7             | Electrical Apparatus for Explosive Gas Atmospheres - Part 7: Increased Safety "e"                             |
| UL1203                 | Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations      |

### MARKINGS

- 1- CSA Master contract, Manufacturer's name or trademark
- 2- Catalog number
- 3- Electrical ratings
- 4- Hazardous locations designation, for example : "AEx ed IIC T6"
- 5- May also be marked as suitable for Class I, Div. 2, Groups A, B, C and D.
- 6- Certificate number (optional)
- 7- Terminal identification – The terminal for the pin/contact that is identified by the letter "N" in the corresponding illustration is identified by the word "WHITE" and/or the color white.
- 8- The terminal for the pin/contact that is identified by the letter "G" in the corresponding illustrations is identified by the word "GREEN" and/or the color green or earth ground symbol.
- 9- All other terminals are readily distinguishable.
- 10- Wiring Information – (field wiring devices) – Devices employing pressure wire terminals shall be marked with the terminal tightening torque where readily visible on the device, on the smallest unit container, or an information sheet packed in the smallest unit container. The tightening torque assigned by the manufacturer is as follows.



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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| <b>Project</b> | <b>Date</b>         | <b>Description</b>  |
|----------------|---------------------|---|
| 2080082        | October 20,<br>2008 | Original cCSAus certification of 3, 4 and 5-wires Plugs and Receptacles, Interlocked with Switches for use in hazardous locations. Series GHG 51x xxxx Lxxxx. |