

# Certificate of Compliance

**Certificate:** 1336249 (LR 114412-2)

**Master Contract:** 190554

**Project:** 1336249 (Edition 2)


**Date Issued:** May 16, 2003

**Issued to:** Vantage Technology LLC  
4675 South Windermere Street  
Englewood, CO 80110  
USA

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



**Issued by:**   
Marty Klaassen P. Eng.  
Product Certification Engineer

**Authorized by:**   
Patricia Pasemko  
Operations Manager

## CLASS

**6238 01** – RECEPTACLES – Attachment Plug Type and Plugs – For Hazardous Locations

**6238 81** – RECEPTACLES – Attachment Plug Type and Plugs – For Hazardous Locations–To US Requirements

## PRODUCTS

**For Canada:** Ex d IIC, T6

**For United States:** Class I Zone 1 AEx d IIC T6

**Class I, Groups B, C & D; Class II, Groups F & G; Temperature Code T6; Enclosure Type 4X**

**Receptacles with Plugs and Attachments** for Standard and Reverse Service Applications rated 30,60 100 and 200 Amps at 600 Vac, max.

Type **GB-a, b, c - d, e, f1, g - h - i** and **SB-a, b, c - d, e, f1, g - h - i**

Type **GD-a, b, c - d, e, f1, g - h - i** and **SD-a, b, c - d, e, f1, g - h - i**

Type **GDT-a, b, c - d, e, f1, g - h - i** and **SDT-a, b, c - d, e, f1, g - h - i**

Type **GDU-a, b, c - d, e, f1, g - h - i** and **SDU-a, b, c - d, e, f1, g - h - i**

Type **AF-a, b, c - d, e, f1, f2, g - h - i** and **SFD-a, b, c - d, e, f1, f2, g - h - i**

Type **GD and SD, GDT and SDT and GDU and SDU** Single and Duplex Ground Power Receptacles rain tight when installed in concrete, for use with type **GD or SD, GDT or SDT, GDU or SDU** plugs rated 30,60 100 and 200 Amps at 600 Vac, max



CSA INTERNATIONAL

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- Where:
- a: Cover
    - B = Cover / receptacle
    - D = Cover / plug)
  - b: Shell Style
    - 10 = Plug, Attachment
    - 15 = Receptacle, Attachment
    - 17 = Box or Panel mount
    - 19 = NPT mount in 1 ½, 2, 2 ½ and 3”)
  - c: Shell Size (16, 20, 24, 28)
  - d: Insert
    - 30, 60,100, 200 amps for GD/SD, GB/SB, GDU/SDU and GDT/SDT
    - 10 through 143 contacts through 250 Vac for AF/SF
  - e: Gender
    - S = Female (Socket)
    - P=Male (Pin)
  - f1: Contact Type (L= Pressure or Crimp Contacts)
  - f2: Contact Plating (AF / SF Receptacles, Plugs & Attachments only)
    - Blank = Silver is standard
    - K = Gold over Silver
    - D = Gold over Nickel
  - g: Insert Keying
    - Blank = Normal
    - Alternate = N+2 to 10 (see insert table)
  - h: Accessory (Receptacles) / Grommet (Plugs & Attachment Receptacles)
    - For Accessory
      - Blank =Panel, 17 style or NPT, 19 Style – see junction box table
    - For Grommet (cable diameter code)
      - TC = Tapped Conduit
      - B = Basket Weave
  - i: Variation (see Wire Length table (L12, L24, L36 etc))

### **APPLICABLE REQUIREMENTS**

- CAN / CSA-C22.2 No. 25-M1966 - Enclosures for use in Class II Groups E, F and G Hazardous Locations
- CAN / CSA-C22.2 No. 94-M1991 - Special Purpose Enclosures
- CAN / CSA C22.2 No.159-M1987 - Attachment Plugs, Receptacles and Similar Wiring Devices for Use in Hazardous Locations, Class I, Groups A, B, C and D; Class II, Group G, in Coal or Coke Dust, and in Gaseous Mines
- CAN / CSA E60079-0 - Electrical Apparatus for Potentially Explosive Atmospheres - General Requirements
- CAN / CSA E60079-1 - Electrical Apparatus for Potentially Explosive Atmospheres - Flameproof enclosure “d”
- UL No. 50: Edition 11 - Enclosures for Electrical Equipment
- UL No. 1010; Edition 6 - Receptacle Plug Combinations for Use in Hazardous (Classified) Locations
- UL 60079-0 Edition 1 - Electrical Apparatus for Potentially Explosive Atmospheres - General Requirements
- UL 60079-1 Edition 1 - Electrical Apparatus for Potentially Explosive Atmospheres - Flameproof enclosure “d”



## *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>
LR 114412-2	July 22, 1999	Original Certification
1336249	May 16, 2003	Addition of AF and SF series of Connectors Extension of Class I Group B on GD and SD, GDU and SDU and GDT and SDT Addition of Class II Groups F & G on all Connectors Addition of CUS Certification Addition of Zone Classification