

(1) **EC-TYPE EXAMINATION CERTIFICATE**

(2) Equipment or protective system intended for use in potentially explosive atmospheres - Directive 94/9/EC

(3) EC-Type Examination Certificate Number: **KEMA 04ATEX2179 X**

(4) Equipment or protective system: **Receptacles and Plugs,
Single and Duplex Ground Power Receptacles,
Series GB, GD, GDT, GDU,
Series SB, SD, SDT, SDU,
Series AF, SF
Series EMR**

(5) Manufacturer: **Vantage Technology LLC**

(6) Address: **4675 South Windermere Street, Englewood, CO 80110, USA**

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential report no. 2072103.


(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 50014 : 1997 + A1, A2 EN 50018 : 2000 + A1 EN 50281-1-1 : 1999 + A1
and an additional investigation by KEMA**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

 **II 2 GD EEx d IIC T6 (Receptacles and Plugs)
EEx d IIB +H₂ T6 (Ground Power Receptacles)
IP 66 / IP 67 T 70 °C**

Arnhem, 15 April 2005
KEMA Quality B.V.


T. Pijper
Certification Manager

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SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 04ATEX2179 X

(15) **Description**

The Receptacles and Plugs Series GB, GD, GDT, GDU, Series SB, SD, SDT, SDU and Series AF, SF and all as integrated in Series EMR are power and control connectors, manufactured in aluminium, aluminium nickel bronze or stainless steel. The connectors are intended for use in standard and reverse service. The receptacles are standard mounting or attachment style with back shell hardware and integral cable gland.

The above Series (except Series AF, SF and EMR) can also be used as single and duplex Ground Power Receptacles.

Ambient temperature range -20 °C to +50 °C.

The maximum surface temperature T 70 °C is related to a maximum ambient temperature of +50 °C.

Electrical data

Series GB, GD, GDT, GDU	:	32, 63, 125 and 260 A, 1000 Vac / 500 Vdc max., 50/60/400 Hz
Series SB, SD, SDT, SDU	:	32, 63, 125 and 260 A, 1000 Vac / 500 Vdc max., 50/60/400 Hz
Series AF	:	10, 15, 20 and 30 A, 250 Vac / 125 Vdc max., 50/60/400 Hz
Series SF	:	10, 15, 20 and 30 A, 250 Vac / 125 Vdc max., 50/60/400 Hz
Series EMR	:	Rated per integrated receptacle Series

Installation instructions

The instructions as provided by the manufacturer shall be followed in detail to assure proper and safe operation of the equipment.

Routine tests

None.

(16) **Report**

KEMA No. 2072103.

(17) **Special conditions for safe use**

In the potentially explosive atmosphere, the unterminated end of an integrally mounted cable shall be terminated in a suitable junction box, e.g. in type of protection flameproof enclosure "d" or increased safety "e".

(18) **Essential Health and Safety Requirements**

Mainly covered by the standards listed at (9). An additional investigation was conducted and closed successfully to show full compliance with the applicable Essential Health and Safety Requirements given in Annex II of the Directive.

(19) **Test documentation**

As listed in Test Report No. 2072103.