



## EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

EC-Type Examination Certificate Number: ITS13ATEX17813U

Equipment or Protective System: ECP\*\*\*\*\* Empty Enclosures

Manufacturer: COOPER CROUSE HINDS

Address: Wolf and 7<sup>th</sup> North Streets, Syracuse, NY, 13221, USA

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

Intertek Testing and Certification Limited, notified body number 0359 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 Intertek Reports 100990357CRT-002A through 100990357CRT-002G dated 2013-07-29.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2012, EN 60079-1:2007, and EN 60079-31:2008 except in respect of those requirements referred to at item 16 of the Schedule.

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.

This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance 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.

The marking of the equipment or protective system shall include the following:-



II 2 G D Ex d IIB+H<sub>2</sub> Gb

Ex tb IIIC Db

P Moss  
Certification Officer  
01 August 2013

Intertek Testing & Certification Limited  
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Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

This certificate may only be reproduced in its entirety and without any change, schedule included and is subject to Intertek Testing and Certification's Conditions for Granting Certification.

## SCHEDULE

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### 13. Description of Equipment or Protective System

ECP family of empty flameproof enclosures. Enclosures range in sizes based on part number. The enclosure numbers covered by this certification are ECP040604, ECP060804, ECP060806, ECP080806, ECP081006, ECP1010006, ECP101008, ECP061204, ECP081204, ECP081206, ECP081208, ECP101406, ECP041604, ECP121204, ECP121206, ECP121208, ECP121806, ECP121808, ECP122408, ECP122410, ECP123608, ECP141406, ECP141408, ECP141410, ECP161606, ECP161608, ECP162408, ECP181806, ECP181808, ECP181810, ECP182408, ECP182410, ECP183008, ECP183608, ECP183610, ECP242408, ECP242410, ECP243008, ECP243608, ECP243610. The numbers represent the nominal sizes of the inside of the enclosures length, width, and depth. The enclosures are made of aluminium with stainless steel cover bolts with a yield stress of 88,000 PSI. There is a gasket that runs on the inside of the cover bolts without interrupting the flange joint.

### 14. Report Number

Intertek Report Ref: 100990357CRT-002A through 100990357CRT-002G dated 2013-07-29.

### 15. Conditions of Certification

#### (a). Special Conditions for safe use

- Rotating machines, or other devices which create turbulence, shall not be incorporated.
- Oil filled circuit-breakers and contactors shall not be used.
- The content of the Ex component enclosure equipment may be placed in any arrangement provided that an area of at least 40% of each cross sectional area remains free.
- Unused entries must be plugged using suitably certified Ex d IIC Gb and Ex tb IIIC Db blanking elements.
- Entry to the enclosure must be made by suitably certified Ex d IIC Gb and Ex tb IIIC Db cable gland or suitably certified conduit seal installed at the enclosure wall.
- Internal earthing connection must be provided by the end user.
- Primary and secondary cells and batteries shall only be used when suitably certified and additional assessment is carried out against the requirements of EN60079-1:2007 Annex E.
- Drilling and tapping of holes is only permitted by the enclosure manufacturer

#### (b). Conditions of Manufacture

- No routine tests required.

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## 16. Essential Health and Safety Requirements (EHSR's)

The relevant EHSR's have been identified and assessed in Intertek Report Ref: 100990357CRT-002A through 100990357CRT-002G dated 2013-07-29.

## 17. Drawings and Documents

Title	Drawing No.:	Rev. Level:	Date:
ECP ATEX IEC EX SERIES SCHEDULE DRAWING	0208813	1	7/30/2013
ECP ATEX / IEC Ex Explosionproof Enclosures Installation & Maintenance Information	IF 1665	3	06/13

*This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.*

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