

This enclosure is designed for use in hazardous locations and is manufactured in accordance with the following standards:

EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1

The installation instructions listed below have been based on the following documents;

- Ex e Component Certificates for enclosures
- EN 60079 - 14 – Code of Practice for selection, installation & maintenance of electrical apparatus for use in potentially explosive atmospheres.
- Established installation / engineering practice.

**General:**

**Important Note: this enclosure is component certified only and must not be mistaken for certified equipment or protective system.** Additional certification is required when assembled with other electrical equipment.

1. Alterations or modifications to the enclosure or its contents may invalidate the certification.
2. Observe information marked on the external certification label, e.g. Type/s of Protection, Gas Group and Temperature Class.
3. Observe the maximum or minimum ratings specified on the internal rating label and or the certificate.
4. Precaution must be taken to ensure that the thickness of dust layer on the terminal box will not exceed 5mm.
5. Ensure that all lid and gland plate screws are fully tightened after installation. Torque Values:  
Lid Screws – 4Nm, Gland Plate Screws – 2Nm.

**Installation:**

6. The certificate should be studied and understood together with EN 60079-14 and the respective national regulations.

**Mounting:**

7. The enclosure must be mounted on an even surface with each fastening point resting evenly.
8. Appropriate fixings for the installation must be used in each point provided (recommend minimum 8mm diameter bolts or screws).

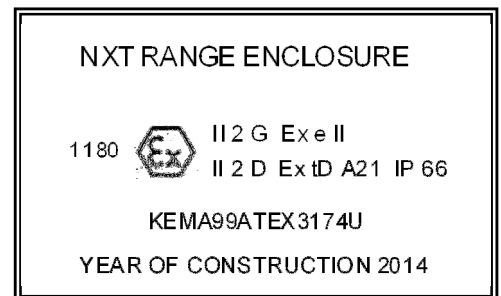
**Glanding:**

9. Cable glands and stopping plugs must be suitable for the application and must maintain a minimum degree of protection of IP54 for use in gas / vapour atmospheres (Ex e), and IP6X for use in dust atmospheres.
10. The installer is permitted to drill entries in areas specified on the certified drawings.
11. Where a gland plate is provided with an auxiliary earthstud, it shall be connected to the main enclosure earthstud with an appropriately sized conductor.
12. External identification labels may be fitted by the installer but must maintain a minimum degree of protection of IP54 for use in gas / vapour atmospheres (Ex e), and IP6X for use in dust atmospheres.

**Terminals and Wiring:**

13. Conditions or limitations listed on the relevant terminal component certificates must be observed.

14. The conductor insulation shall have a temperature rating appropriate to the T-class of the apparatus.
15. Wiring within the enclosure must not be grouped or bunched to prevent "hot spots" forming.
16. Only one conductor per terminal clamp is permitted.
17. All terminal screws, used and unused shall be fully tightened.
18. Any cross-connected terminal shall be mounted and used subject to limitations given in the certification documents for that terminal.
19. Conductors connected to terminals shall be insulated for the appropriate voltage and the insulation shall extend to within 1mm of the terminal block clamp or cable lug.
20. All strands of the conductor must enter the terminal clamp.
21. Minimum creepage and clearance distances specified in the appropriate standard, e.g. EN 60079-7 (Ex e) or EN 60079-11 (Ex i) must be maintained.
22. Observe minimum wiring distance specified on the certified drawings.
23. Terminals for the connection of intrinsically safe and non-intrinsically safe terminals housed in the same enclosure shall be separated by at least 50mm. This may be achieved by physical spacing or fitting the correct partition between the different terminal groups.
24. Marking for certification is as shown.



**Operation**

25. In general there are no operating instructions applicable to the product as supplied.

**Maintenance**

26. A visual inspection of the apparatus shall be carried out appropriate to the installation environment; although an annual inspection is the recommended minimum.
27. Inspection should include verification that all certification details are clearly legible, lid & gland plate (where fitted) screws are secured to the correct torque. Checks should also include that there is no ingress (dust or liquid) inside the enclosure and that all cable glands and main earth connections are in good order.
28. After opening an enclosure, a visual inspection of the lid gasket to ensure no foreign objects may interfere with the enclosure sealing function.
29. During each inspection, the enclosure should be cleaned with a damp cloth.

**Konformitätsattest  
Attestation of conformity  
Attestation de conformité  
KEMA 99ATEX3174 U**

NXT Range of Enclosures

**Wir / we / nous**

**Cooper Crouse-Hinds (UK) Ltd.  
Dorset Road, Sheerness,  
Kent. ME12 1LP**

erklären in alleiniger Verantwortung, dass die Ex-Komponente  
*hereby declare in our sole responsibility, that the Ex-component*  
déclarons de notre seule responsabilité, que le composant Ex

Ex-e Leergehäuse  
*Ex-e empty enclosures*  
boîtier vide Ex-e

⊕ II 2 G Ex e II  
⊕ II 2 D Ex tD A21 IP66

Type: NXT    /    /   

auf die sich diese Erklärung bezieht, mit den folgenden Normen oder normativen Dokumenten übereinstimmen.  
*which are the subject of this declaration, are in conformity with the following standards or normative documents.*  
auquel cette déclaration se rapporte, est conforme aux normes ou aux documents normatifs suivants.

Die Ex-Komponente ist Teil eines elektrischen Betriebsmittels oder eines Moduls, das mit dem Symbol „U“ gekennzeichnet ist, das nicht für sich allein verwendet werden darf und über dessen Einbau in elektrische Betriebsmittel oder Systeme zur Verwendung in explosionsgefährdeten Bereichen gesondert entschieden werden muss.

*The Ex-component is a part of a electrical apparatus or a module, marked with the symbol „U“, which is not intended to be used alone and requires additional consideration when incorporated into electrical apparatus or systems for use in explosive atmospheres.*

*Le composant Ex est partie de matériel électrique ou de module, marquée du symbole „U“, ne devant pas être utilisée seule et nécessitant une certification complémentaire lorsqu'elle est incorporée à un matériel électrique ou à un système pour atmosphères explosives.*

Bestimmungen der Richtlinie  
Terms of the directive  
Prescription de la directive

Titel und / oder Nr. sowie Ausgabedatum der Norm.  
Title and / or No. and date of issue of the standard.  
Titre et / ou No. ainsi que date d'émission des normes.

94/9/EG: Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen

**EN 60079-0: 2006  
EN 60079-7: 2007  
EN 61241-0: 2006  
EN 61241-1: 2004  
EN 60529: 1991+A1:2000**

94/9/EC: Equipment and protective systems intended for use in potentially explosive atmospheres.

94/9/CE: Appareils et systèmes de protection destinés à être utilisés en atmosphère explosibles.

Sheerness 05/09/2011

*K.M. Sanders*

*G. Johnson*

Ort und Datum  
Place and date  
Lieu et date

Mr. Ken Saunders  
Leiter Qualitätswesen  
Head of Quality department  
Chef du dépt. Qualité

Mr. G. Johnson  
Leiter Approbation  
Head of Approval office  
Chef du dépt. approbation

Zertifizierungsstelle  
Notified Body of the certification  
Organes Notifié et Compétent

**KEMA Quality B.V. (0344)  
Utrechtseweg 310, 6812 AR Arnhem  
The Netherlands**

**Baseefa ATEX 4221**

Konformitätsbewertungsstelle  
Notified Body to quality evaluation  
Organes d'attestation de conformité

**Baseefa (1180)  
Rockhead Business Park, Staden Lane, Buxton  
Derbyshire, SK17 9RZ**

Für den sicheren Betrieb des Betriebsmittels sind die Angaben der zugehörigen Betriebsanleitung zu beachten.  
*For the safe use of this apparatus, the informations given in the accompanying operating instructions must be followed.*  
Afin d'assurer le bon fonctionnement de nos appareils, prière de respecter les directives du mode d'emploi correspondent à ceux-ci.