



# Mining And Surface Certification (Pty) Ltd

2015/021934/07



**Certificate Number:** MASC S/15-0205X  
**Issue:** 23 June 2015  
**Expire:** 23 June 2025  
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## IA – CERTIFICATE

(Review required by MASC as per ARP 0108)

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT (INCORPORATION THE MINE HEALTH AND SAFETY ACT) AND REGULATION 9 (1) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

Ex – Type Examination

Certificate number:

**MASC S/15-0205X**

Equipment:

Non Metallic Threaded blanking element M20, M25, M32

Serial No:

(See “Conditions of Certification”)

Applicant:

CCG Cable Terminations (Pty) Ltd

Address:

33 – 37 Forge Road,  
Spartan,  
Kempton Park, 1619,  
South Africa

Manufacturer:

CCG Cable Terminations (Pty) Ltd

Address:

33 – 37 Forge Road,  
Spartan,  
Kempton Park, 1619,  
South Africa

### DESCRIPTION:

The range of threaded non-metallic blanking elements is suitable for blanking off threaded entries in enclosures, as appropriate for the type of protection. In addition with the blanking element, a sealing gasket is used to maintain the IP rating.

An Allen key hole in the blanking element accommodates fastening of the equipment.

The range of threaded blanking elements covered by this approval is as follows:

- M20 x 1.5
- M25 x 1.5
- M32 x 1.5

### MARKING

The following marking is applied to the unit:


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## MARKING EXAMPLE:-

CCG M " * "
IECEX ICS 15.0007X
 MASC S/15-0205X
Ⓛ 01 ATEX 130325X
Ⓛ II 2 GD EEx e IIC
Ex e IIC Gb, Ex tb IIIC Db
Ex nR IIC Gc
IP 66/68 (2m)
CE 0518



ENLARGED  
MARKING

2. CCG M " \* " = M20,M25 OR M32.

## COMPLIANCE:

The equipment as described above and in MASC IECEX report number ZA/ICS/ExTR15.0004/00 (MIC 14-015) is hereby certified "Explosion Protected" Ex e IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db, IP 66/68 (2m), and is suitable for use in hazardous locations as stated below and as tested, assessed and inspected in accordance with the relevant requirements of SANS / IEC Standards:

The evaluation was conducted according to the requirements of:

- SANS 60079-0: 2012 (edition 5) "Explosive atmospheres - Part 0: Equipment - General Requirements"
- SANS 60079-7:2007 (edition 3) "Explosive atmospheres Part 7: Equipment protection by increased safety 'e' "
- SANS 60079-15: 2010 (edition 4) "Explosive atmospheres Part 15: Equipment protection by type of protection 'n' "
- SANS 60079-31: 2014 (edition 2) "Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't' "

Location	Zone 1 & 2 / 21 & 22	Gases / Vapours & Dust: Surface
Hazard Frequency	---	Intermittent as could occur under normal / abnormal operating conditions in hazardous area
Environment	Group IIC IIIC	Hydrogen / Acetylene Non-metallic and metallic dusts
Service Temperature	See conditions	

**The use of apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:**

- SANS 10086 requirements;
- Any conditions mentioned in the above document;

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Mining And Surface Certification Pty (Ltd) Reg No: 2015/021934/07

Directors: Roelof Viljoen & Francois du Toit

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- iii. Codes of Practice enforced in terms of Regulations 21.17.2 of Minerals Act, by Chief Inspector of Mines;
- iv. Any restrictions and conditions enforced by Chief Inspectors of Mines, Principal Inspector (Group I equipment) of Chief Inspector of Factories (Group II equipment);
- v. Any relevant requirements of the MHS Act or the OHS Act.

## CONDITIONS OF MANUFACTURE:

None

## SPECIAL CONDITIONS OF USE (X):

- The Non-metallic threaded blanking element shall only be used where the temperature, at the point of entry, is between -20°C and + 95°C.
- To maintain the IP rating / restricted breathing, the end user shall ensure that the surface of the enclosure against which the sealing gasket seals, is in a good condition.

## CONDITIONS OF CERTIFICATION:

According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory.) Alternative annual review of QAR by MASC required.



**Roelof Viljoen**  
**TECHNICAL SPECIALIST**

## Mining And Surface Certification

*This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.*

*While every endeavour is made to ensure that a test / assessment is representative and accurately performed, and that a report is accurate in the quoted results and conclusions drawn from the test / assessment, MASC or its members/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report issued pursuant to a test / assessment.*

*MASC takes no responsibility for any non-conformances, exclusions or any results / assessments not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and routine tests have been successfully completed and the product complies with the documentation and standard(s).*

*This document is only for use and application in South Africa. It is issued based on National interpretations and accepted practises.*

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