

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT
(INCORPORATED IN THE MINE HEALTH AND SAFETY ACT)
AND REGULATION 8(2) OF
THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

CCG Cable Terminations (Pty) Ltd

5 July 2002

P O Box 192

KEMPTON PARK

1620

**IA CERTIFICATE:SABS MS/W459U
CABLE GLAND - REDUCER**

Description: The range of "Ex de" Reducers each comprise of a hexagonal or round metallic body with a metric male thread (from M25 to M63) at one end and a female metric thread (from M20 to M50) machined into the other. The increased safety reducers each comprising of a hexagonal metallic body with a male metric thread (from M20 to M75) at one end and a female NPT thread (from 1/4" to 3") machined into the other.

Marking: Each unit shall be marked with at least the following engravings:

| | |
|--------------|--------------------------|
| Manufacturer | : CCG |
| SABS Permit | : Logo and Permit number |
| Thread size | : ----- |
| IA No | : SABS MS/W459U |
| Symbol | : DIP/Ex de I/IIC T6 |

X - Special conditions of safe use: None

U - Incomplete assembly: The reducers must be used as part of a certified assembly only.

Compliance: The units as described above and tested/examined in SABS letter ref: 7234/W426 are hereby certified "Explosion Protected" DIP/Ex de I/IIC T6, and are suitable for use in hazardous locations as stated below, as determined during tests and inspections conducted in accordance with the relevant requirements of SABS Standards:

SABS 1031:1994 / SABS IEC 60079-0:2000 / SABS IEC 60079-1:2001 / SABS IEC 60079-7:2001 / SABS IEC 60529:1989 / SABS IEC 61241.1.1.1999

| | | |
|---------------------------|-------------------------|---|
| Locations | Zone 1 / 2 and 21 / 22 | Gas and Dust : Surface |
| Hazard Frequency | | Intermittent as could occur under normal operating conditions in a hazardous area |
| Environment | Groups I, IIA, IIB, IIC | Methane to Acetylene |
| Limiting Temperature | T6 | |
| Ingress Protection Rating | IP 66/68 | |

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

- i) SABS 086 requirements;
- ii) Any relevant requirements of the MHS Act or the OHS Act;
- iii) Codes of Practice enforced in terms of Regulations 21.17.2 of the Minerals Act, by the Chief Inspector of Mines;
- v) Any restrictions and conditions enforced by the Chief Inspector of Mines, Principal Inspector (Group I equipment) or Chief Inspector of Factories (Group II equipment).


**JG Gagiano: SENIOR TEST OFFICER
EXPLOSION PREVENTION TECHNOLOGY**


R Viljoen: MANAGER