



国家防爆

Certificate number: CNEx21.3390X

Electrical Apparatus for Explosive Atmospheres

CERTIFICATE OF CONFORMITY

Manufacturer CCG Cable Terminations (Pty) Ltd
33-37 Forge Road, Spartan Industrial Area, Kempton Park 1619, South Africa

Product Enclosures

Type See annex

Marking Ex e IIC Gb / Ex tD A21 IP66/IP67/IP68 / Ex tD A22 IP66/IP67/IP68

Standard(s) —

Drawing No. 1003_0 _ 100304, 1009-0 - 100903, 10050B-10050C, 065001-S, 100201 - 100202, 100301-H - 100303-H, 100301-SF - 100304-SF, 100922, 100921-BE - 100923-BE

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB 3836.1-2010	Explosive atmospheres - Part 1: Equipment - General requirements
GB 3836.3-2010	Explosive atmospheres - Part 3: Equipment protection by increased safety "e"
GB12476.1-2013	Electrical apparatus for use in the presence of combustible dust - Part 1: General requirements
GB12476.5-2013	Electrical apparatus for use in the presence of combustible dust - Part 5: Protection by enclosure "tD"

Note:

See Annex (3 page in total).

Director

Date:

2021-8-30

Valid until:

2026-8-29



CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTER
FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

Address: No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China

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This product has been certified, under certificate number IECEx CML 15.0071U, issue 3, dated 2020-03-20 and Test report GB/CML/ExTR19.0225/00 dated 2020-03.

Product Description:

The enclosures are non-metallic enclosures are manufactured from DMC (Dow Moulding Compound).

Type designation:

- Detailed models refer to the following table:

Type and size	Box size	Dimensions (Dia. x height)	Gland entry sizes (1.5mm pitch)	Max. No. of cable gland entries and arrangement
Posi Fit / Tx box	Size 0	100 x 78	M16-M20	CCG Posi Fit 4 Way box - 4 entries positioned orthogonal around the side walls with multiple gland entry sizes
Posi Fit / Tx box	Size 1	118 x 91	M16-M20	CCG Posi Fit 4 Way box - 4 entries positioned orthogonal around the side walls with multiple gland entry sizes
Posi Fit / Tx box	Size 2	140 x 114	M16-M25	CCG Posi Fit 4 Way box - 4 entries positioned orthogonal around the side walls with multiple gland entry sizes
Posi Fit / Tx box	Size 3	203 x 142	M16-M32	CCG Posi Fit 4 Way box - 4 entries positioned orthogonal around the side walls with multiple gland entry sizes
Posi Fit / Tx box	Size 4	298 x 186	M16-M40	CCG Posi Fit 4 Way box - 4 entries positioned orthogonal around the side walls with multiple gland entry sizes
Bottom entry angle box	Size 1	118 x 98	M16-M20	CCG Bottom entry angle box - 3 entries positioned at the bottom of the box. One entry closest to the rim of the box and two entries to the base of the box
Bottom entry angle box	Size 2	140 x 105	M16-M25	CCG Bottom entry angle box - 3 entries positioned at the bottom of the box. One entry closest to the rim of the box and two entries to the base of the box

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Bottom entry angle box	Size 3	202 x 140	M16-M32	CCG Bottom entry angle box - 3 entries positioned at the bottom of the box. One entry closest to the rim of the box and two entries to the base of the box
4 way Bottom entry box	Size 1	128 x 112	M16-M20	CCG Bottom entry box - 3 entries positioned at the bottom of the box. One entry closest to the base of the box and two entries to the rim of the box
4 way Bottom entry box	Size 2	162 x 160	M16-M25	CCG Bottom entry box - 3 entries positioned at the bottom of the box. One entry closest to the base of the box and two entries to the rim of the box
Y box	Size 0	102 x 81	M16-M20	CCG Posi Fit Y box - 2 entries positioned on the side of the box and 1 entry positioned on the opposite side of the box
Y box	Size 1	118 x 111	M16-M20	CCG Posi Fit Y box - 2 entries positioned on the side of the box and 1 entry positioned on the opposite side of the box
Y box	Size 2	138 x 123	M16-M25	CCG Posi Fit Y box - 2 entries positioned on the side of the box and 1 entry positioned on the opposite side of the box
Y box	Size 3	200 x 150	M16-M32	CCG Posi Fit Y box - 2 entries positioned on the side of the box and 1 entry positioned on the opposite side of the box
H box	Size 1	118 x 94	M16-M20	CCG Posi Fit H box - 2 entries positioned on the side of the box and 2 entries positioned on the opposite side of the box
H box	Size 2	138.5 x 100	M16-M25	CCG Posi Fit H box - 2 entries positioned on the side of the box and 2 entries positioned on the opposite side of the box
ST Box Strut box	Size 1	100 x 96	M16-M20	CCG Posi ST Box strut box - 2 entries positioned on opposite sides with multiple gland entry sizes.

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Angle Box	Size 2	121 x 100	M20-M25	CCG Angle Box - 3 entries positioned at the bottom of the box.
Multi Box PosiFit	Assembly B	(Rectangular) 196 x 132 x 109	See entry amount and arrangement	The entries could vary, with the A/C of the gland being the min distance between the entries.
Multi Box PosiFit	Assembly C	(Rectangular) 278 x 200 x 117	See entry amount and arrangement	The entries could vary, with the A/C of the gland being the min distance between the entries.

Ex marking: Ex e IIC Gb / Ex tD A21 IP66/IP67/IP68 / Ex tD A22 IP66/IP67/IP68

IP degree: IP66/IP67/IP68(2m/cont)

Specific conditions of safety use:

- Service temperature range: -60°C to +110°C.
- For enclosures that do not utilise locking screws on the cover / lid, only the CCG tool supplied shall be used for opening and closing.
- Under certain extreme circumstances, the polycarbonate (clear) cover incorporated in the enclosure may generate an ignition-capable level of electrostatic charge. Therefore, the enclosure shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
- When fitted with the polycarbonate (clear) cover, the enclosure shall be installed to prevent direct UV exposure of internal components.
- Suitably CCC certified cable glands and/or plugs shall be used in the enclosures threaded entries.

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