

Australian/New Zealand
Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: ANZEx 13.4128U	Issue No.: 0	Date of Issue: 2014-04-01
--	---------------------	----------------------------------

Certificate Holder: CCG Cable Terminations
33-37 Forge Road
Spartan Ind. Area Kempton Park
Gauteng
South Africa

Electrical Apparatus: Posifit Junction Box Series

Type of Protection: Ex e, Ex nA , Ex t

Marking Code: Ex e IIC T6 Gb / Ex nA IIC T6 Gc / Ex t IIIC T70°C Db IP66/67/68 (2m)
Service temperature -60°C to 110°C
ANZEx 13.4128U

Manufacturing Location(s): CCG Cable Terminations
33-37 Forge Road
Spartan Ind. Area Kempton Park
Gauteng
South Africa

This certificate and schedule shall not be reproduced except in full

 <p>TÜVRheinland®</p> <p>Genau. Richtig.</p> <p>ABN 75 124 175 953</p>	<p>Certificate issued by</p> <p>TÜV Rheinland Australia Pty Ltd. 30 Kennington Drive, Tomago, NSW 2322 Australia</p> <p>Phone: +61 2 4964 5800 Email: info@au.tuv.com Web : www.tuv.com.au</p>	 <p>Accreditation by the Joint Accreditation System of Australia and New Zealand</p> <p>Acc No. Z4260209AS www.jas-anz.com.au/register</p>
--	--	--

Australian/New Zealand
Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate No.: ANZEx 13.4128U	Issue No.: 0	Date of Issue: 2014-04-01
--	---------------------	----------------------------------

*This certificate is granted subject to the conditions as set out in Standards Australia/Standards New Zealand Miscellaneous Publication **MP87.1:2008 inc. AMDT 1.***

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0:2011 (6th ed)	Explosive atmospheres-Part 0: Equipment - General requirements
IEC 60079-7:2006 (4th ed)	Explosive atmospheres-Part 7: Equipment protection by increased safety "e"
IEC 60079-15:2010 (4th ed)	Explosive atmospheres-Part 15: Equipment protection by type of protection 'n'
IEC 60079-31:2008 (ed 1.0)	Explosive atmospheres-Part 31 : Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

The equipment listed has successfully met the examination and test requirements as recorded in

Test Report No. and Issuing Body: 19300673.001 :TRA

Quality Assessment Report No. and Issuing Body: AU/ITA/QAR08.0002/05:TRA

File Reference: 1113005187



Signed for and on behalf of issuing body

Certification Officer

1 April 2014

Position

Date of Issue

This certificate and schedule shall not be reproduced except in full
This certificate is not transferable and remains the property of the issuing body
and must be returned in the event of it being revoked or not renewed.

Australian/New Zealand Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate No.: ANZEx 13.4128U	Issue No.: 0	Date of Issue: 2014-04-01
--	---------------------	----------------------------------

Schedule

EQUIPMENT:

The Posifit non-metallic junction box series is manufactured from DMC (Dough Moulding Compound). The enclosures have a cylindrical shaped body with a screw on cover, secured with a special tool that engages into splines on the cover of the enclosure. The junction box comprises pressed metallic inserts in the side of the enclosure with threaded entries for certified glands or plugs. An O-ring is utilized between the housing and the cover of the enclosure to maintain the IP rating. The Junction box can be manufactured in various types and sizes. (See table below).

An optional polycarbonate / DMC cover may be screwed with four M5 countersunk screws into metallic inserts in a DMC adaptor, which is threaded to replace the normal threaded cover. An o-ring is utilised between the polycarbonate section and adaptor to maintain the IP rating.

Certificate ANZEx 13.4127X is available for Posifit enclosures with terminals fitted.

A special tool is supplied fitting in grooves on the round cover for closing and opening.

An instruction manual is available for this range of junction boxes.

Type	Box size	Dimensions (Dia. X height) (mm)	Gland entry sizes (1.5mm pitch)	Maximum Gland entry amount and arrangement
Posifit / TX box	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.
	1	118 x 91	M16, M20	
	2	140 x 114	M16, M20, M25	
	3	203 x 142	M16, M20, M25, M32	
	4	298 x 186	M16, M20, M25, M32, M40	

**Australian/New Zealand
Certification Scheme for**

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate No.: ANZEx 13.4128U	Issue No.: 0	Date of Issue: 2014-04-01
--	---------------------	----------------------------------

Type	Box size	Dimensions (Dia. X height) (mm)	Gland entry sizes (1.5mm pitch)	Maximum Gland entry amount and arrangement
Bottom entry angle box	1	118 x 98	M20, 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 closest to the base of the box.
	2	140 x 105	M20, M25, M32	
	3	202 x 140	M20, M25, M32, M40	
3 Way bottom entry box	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 closest to the rim of the box.
	2	162 x 160	M16, M20, M25	
Y box	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.
	1	118 x 111	M16, M20	
	2	138 x 123	M16, M20, M25	
	3	200 x 150	M16, M20, M25, M32	
H box	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.
	2	138.5 x 100	M16, M20, M25	
ST Box strut box	1	158 x 104	M16, M20	CCG Posi ST Box strut box: - 4 entries positioned on opposite sides with multiple gland entry sizes.
Angle Box	2	121 x 100	M20, M25	

**Australian/New Zealand
Certification Scheme for**

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate No.: ANZEx 13.4128U	Issue No.: 0	Date of Issue: 2014-04-01
--	---------------------	----------------------------------

CONDITIONS OF CERTIFICATION:

- The CCG supplied tool must be used to open & close units that do not utilize the locking screw on the cover / lid.
- When fitted with the polycarbonate (clear) cover the equipment must be installed to prevent the generation of electrostatic charge.
- When fitted with the clear lid, the unit must be installed to prevent UV exposure to the internal components fitted.
- Terminal blocks may only be utilized on the applicable rail and must allow sufficient space to make connections and to close the cover / lid.
- Suitably certified glands / plugs must be used in the threaded entries.
- A service temperature -60°C to 110°C is applicable for the empty enclosure.
- The dielectric strength requirement of Clause 6.1 of IEC 60079-7 must be considered when fitted with internal components / wiring.
- Information w.r.t. entries is indicated on the instructions.

Australian/New Zealand Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate No.: ANZEx 13.4128U	Issue No.: 0	Date of Issue: 2014-04-01
--	---------------------	----------------------------------

DRAWINGS:

Drawings Associated with the Original Issue of this Certificate:

Title:	Drawing No.:	Edition:	Date:
POSIFIT / TX BOX Ex	1003-0 - 100304	Original	2009/11/12
POSIFIT / TX BOX Ex - MATERIAL	1003-0 - 100304-M	Original	2009/11/12
ADAPTA LID COVER ASSEMBLY	100701-ALID	Original	2011/05/10
POSIFIT Y BOX Ex - MATERIAL	1009-0 - 100903 - M	Original	2009/11/18
POSIFIT Y BOX Ex	1009-0 - 100903	Original	2009/11/18
STRUT BOX MATERIAL	065001-S M	Original	2012/06/06
STRUT BOX	065001-S	Original	2012/06/06
3 WAY BOTTOM ENTRY BOX	100201 - 100202	Original	2009/11/18
3 WAY BOTTOM ENTRY BOX - MATERIAL	100201 - 100202-M	Original	2009/11/18
"X" POSI BOX MARKING	100300-M-U	Original	2013/01/19
POSIFIT H BOX Ex	100301-H - 100303-H	Original	2009/11/18
POSIFIT H BOX Ex - MATERIAL	100301-H - 100303-H-M	Original	2009/11/18
BOTTOM ENTRY ANGLE BOX Ex	100921 - BE - 100923 - BE	Original	2010/08/06
BOTTOM ENTRY ANGLE BOX Ex - MATERIAL	100921 - M - 100923 - M	Original	2010/08/06
ANGLE BOX Ex - MATERIAL	100922 - M	Original	2009/11/18
ANGLE BOX Ex	100922	Original	2009/11/18