

Certificate No: TAE000047U

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Enclosure for Electrical Equipment

with type designation(s)

Handi-fit box, 3-way bottom entry box, Bottom-entry angle box,

Issued to

CCG Cable Terminations (Pty) Ltd. KEMPTON PARK, South Africa

is found to comply with

DNV GL rules for classification - Ships, offshore units, and high speed and light craft

Application:

Industrial junction box.

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

Degree of protection IP66, IP67, IP68
Vibration class NA

Issued at **Høvik** on **2021-01-11**

This Certificate is valid until **2025-10-13**. DNV GL local station: **Newcastle-upon-Tyne**

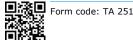
Approval Engineer: Nicolay Horn

Marta Alonso Pontes

Marta Alonso Pontes
Head of Section

for **DNV GL**

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e: TA 251 Revision: 2020-02 www.dnvgl.com Page 1 of 3

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Job Id: **262.1-019235-2** Certificate No: **TAE000047U**

Product description

Industrial Junction box

Туре	Handi-fit box series
Application	The HANDI_FIT BOX is a connection box with a DIN rail mount for terminal blocks. It is available with entries arranged in a 4-way cruciform or 'H' formation and 3-way
Operating temp.	in a 'Y' formation. Empty enclosures are also available. -60°C to +110°C
Ingress Protection	IP66, IP67, IP68
Box Material	Impact, corrosion and UV resistant glass reinforced polyester compound. (PBT)
No. of Box Sizes (4 way, H, Y)	5,4,2
Gland entry size	M16 to M40
Cable size	2,5mm ² to 70mm ²
Max. voltage rating	550V depending upon terminals used
Data sheet	0650_Handi_Fit_JB140420
Assembly drawing	1003-0 - 100304
(Construction identical to Posi-fit	1009-0 - 100903
range)	100301-H - 100303-H

Туре	3-way bottom entry box
Application	The 3-WAY BOTTOM ENTRY BOX is a connection box with
	an optional DIN rail mount for terminal blocks. Empty
	enclosures are also available.
Operating temp.	-60°C to +110°C
Ingress Protection	IP66, IP67, IP68
Box Material	Impact, corrosion and UV resistant glass reinforced
	polyester compound. (PBT)
No. of Box Sizes	2
Gland entry size	M20, M25
Cable size	2,5mm ² to 35mm ²
Max. voltage rating	550V depending upon terminals used
Data sheet	1002_3WayBE-JB140420
Assembly drawing	100201 - 100202-M

Туре	Bottom-entry angle box
Application	The BOTTOM-ENTRY ANGLE BOX is a connection box with an optional DIN rail mount for terminal blocks. It is angled and is designed for use with lighting. Empty enclosures are also available.
Operating temp.	-60°C to +110°C
Ingress Protection	IP66, IP67, IP68
Box Material	Impact, corrosion and UV resistant glass reinforced polyester compound. (PBT)
No. of Box Sizes	3
Gland entry size	M20, M40
Cable size	2,5mm ² to 35mm ²
Max. voltage rating	550V depending upon terminals used
Data sheet	0653BEAngleBox_JB140420
Assembly drawing	100921 -(BE) - 100923-(BE)

Variants of the products listed in this certificate where the core functions and protection systems are unchanged are also covered by the certificate.

Form code: TA 251 Revision: 2020-02 www.dnvgl.com Page 2 of 3

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Application/Limitation

Manufacturer's application and assembly instructions to be followed.

The information related to EN certification from recognised test institution is given as information only.

Type Approval documentation

Data sheets and assembly drawings	See each product construction
Hand fit junction box	CML 17Y11251, R1125A/00

Tests carried out

Type tests according to, IEC 60529, IEC 62208 and IEC 62262.

Marking of product

CCG cable termination (PTY) LTD - Type designation - IP rating

Periodical assessment

The scope of the periodical assessment survey is to verify that the conditions stipulated for the Type approval is complied with and that no alterations are made to the product design or choice of materials. The main elements of the periodical assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE

Form code: TA 251 Revision: 2020-02 www.dnvgl.com Page 3 of 3