DNV·GL

Certificate No:
TAE0000011

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Enclosure for Electrical Equipment

with type designation(s)
Posi Fit Box Series, 3 Way Bottom Box, Angle 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 and offshore units

Application :

Hazardous area junction box.
Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.
Enclosure protection IP66, IP67, IP68

This Certificate is valid until **2020-10-14**.
Issued at **Høvik** on **2015-10-15**
DNV GL local station: **Newcastle-upon-Tyne** for **DNV GL**

Approval Engineer: **Ludovico Gullifa**

Marit Laumann
Head of Section

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.

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Job Id: **262.1-019235-1**
Certificate No: **TAE0000011**

Product description

Hazardous Area Junction box

Type	**Posi-fit box series**
Application	The POSI-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 in 'Y' formation. Empty enclosure is also available.
Certification	IECEx, ATEX
Operating temperature	-60° C to +40/55° C -60° C to +110° C for empty enclosure
Ingress protection	IP66, IP67, IP68
Box material	Impact, corrosion and UV resistant glass-filled polyester (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 Dependent on terminals used
Max Current (40° C , 55° C)	(11,9A-95,21A; 8,34A – 66,75A) Dependent on conductor/ terminal used
Data sheet	BH011014
Assembly drawing No.	1003-0 – 100304- /M 1009-0 – 100903- /M 100301-H -100303 - H- /M

Type	**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 enclosure is also available.
Certification	IECEx, ATEX
Operating temperature	-60° C to +40/55° C -60° C to +110° C for empty enclosure
Ingress protection	IP66, IP67, IP68
Box material	Impact, corrosion and UV resistant glass-filled polyester (PBT)
No. of Box Sizes	2
Gland entry size	M20, M25
Cable size	2,5mm^2 to 35mm^2
Max voltage Rating	550V Dependent on terminals used
Max Current (40° C , 55° C)	(11,9A - 61,98A; 8,34A – 43,46A) Dependent on conductor/ terminal used
Data sheet	BH030914
Assembly drawing No.	100201 - 100202 - /M

Type	**Angle box**
Application	The ANGLE BOX is a connection box with an optional DIN rail mount for terminal blocks. It is angled and is designed for use with hazardous area lighting.
Certification	IECEx, ATEX
Operating temperature	-60° C to +40/55° C -60° C to +110° C for empty enclosure
Ingress protection	IP66, IP67, IP68
Box material	Impact, corrosion and UV resistant glass-filled polyester (PBT)
No. of Box Sizes	1

Gland entry size	M20, M25
Cable size	2,5mm^2 to 35mm^2
Max voltage Rating	550V Dependent on terminals used
Max Current (40° C , 55° C)	(11,9A - 61,98A; 8,34A – 43,46A) Dependent on conductor/ terminal used
Data sheet	BH040914
Assembly drawing No.	100992- /M

Type	**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 hazardous area lighting. Empty enclosure is also available.
Certification	IECEx, ATEX
Operating temperature	-60° C to +40/55° C -60° C to +110° C for empty enclosure
Ingress protection	IP66, IP67, IP68
Box material	Impact, corrosion and UV resistant glass-filled polyester (PBT)
No. of Box Sizes	3
Gland entry size	M20 to M40
Cable size	2,5mm^2 to 35mm^2
Max voltage Rating	550V Dependent on terminals used
Max Current (40° C , 55° C)	(11,9A - 61,98A; 8,34A – 43,46A) Dependent on conductor/ terminal used
Data sheet	BH020914
Assembly drawing No.	100921 –(BE)- /M -100923 – (BE) - /M

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

Tests carried out

Type tests according to IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 60079-15, IEC/EN 60079-31
IEC 60529,

Marking of product

CCG cable termination (PTY) LTD – Type designation – IP rating - According to IECx Certificate of Conformity

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 least every second year.

END OF CERTIFICATE