



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.

TA25240M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

APPLICANT: CCG Cable Terminations Ltd, North Yorkshire, England
MANUFACTURER: CCG Cable Terminations Ltd, Kempton Park, South Africa
PRODUCT: Junction Boxes
TYPE NO.: Posifit types, Y-Box, H-Box, 4-Wy/TX-Box,
3-Way bottom entry box, Angle box, Bottom entry angle box
TYPE TEST NO.: 20T602
PARTICULARS: See the attached sheet
STANDARD: IEC60079-0, IEC60079-7, IEC60079-15, IEC60079-31
DOCUMENTATION: IECEx CML 15.0071U, IECEx CML 15.0072X,
1009-0 to 100903, 100301, 100302, 1003-0 to 100304, 100201,
100202, 100922, 100921 to 100923

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAIJI KYOKAI in accordance with the Society's type test requirements for electrical equipment and cables.

This certificate is valid until 31 May 2030.

Issued at Tokyo on 31 March 2025.

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S. Oishi
General Manager
Machinery Department



Note: The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.

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Attached Sheet to Cert. No. TA25240M

PARTICULARS:

- Type: Posi Fit™ Y-Box, H-Box, 4-Way/TX-Box
- No. of Box sizes: Y-Box: 4 (0 to 3), H-Box: 2 (1 to 2), 4-Way/TX-Box: 5 (0 to 4)
- Gland entry size: M16 to M40
- Cable size: 2.5mm² to 70mm²
- Box Material: Impact corrosion and UV resistant glass reinforced polyester compound.
Polycarbonate (see-through adapt-a-lids).
Nitrile rubber, EPDM seals. Terminals – Wellamid or Wemid
- Seal material: Standard thermoset elastomer or extreme temperature seals
- Optional accessories: Ex certified terminals, Box spanner (Lid locking key).
Blanking plugs are provided.
- Note: The installer is to ensure that the materials are suitable for the installation environment. And manufacturer's application and assembly instructions are to be followed.
- Protection levels: IEC Ex: Ex e IIC T6 Gb / Ex nA IIC T6 Gc / Ex tb IIIC T70°C Db
IEC Ex: Ex e IIC Gb / Ex nA IIC Gd / Ex tb IIIC Db for empty enclosure
- Operating temp.: -60°C to +40/55°C
-60°C to +110°C for empty enclosure
- Ingress protection: IP66, IP67, IP68 (2m cont)
- Conditions for safe:
- The CCG lid locking key must be used to open and close units that do not have locking screws such as "clear cover units".
 - 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.
 - Clean only with a damp cloth.
 - Suitably certified cable glands and/or plugs shall be used in the enclosure threaded entries.
 - Terminal blocks shall only be used on the applicable rail and shall allow sufficient space to make connections and to close the cover / lid.
 - The creepage and clearance between terminal blocks and from the terminal block to any earthed / bonded metallic part shall comply with the EN60079-7 requirements for the acceptable voltage of the terminal blocks.
 - Only the following terminals may be used, following the specific installation conditions set down by the terminal manufacturer / terminal certification. The current per circuit in the junction box is limited by the size of the conductor and shall not exceed the following.

Manufacturer	Certification Number	Ex coding	Type	Size	Volt.	Max. current	
						≤55°C	≤40°C
Weidmuller	IEC Ex ULD 14.0005U	Ex eb IIC	WDU 2.5, 4, 6, 10, 16, 35 and 70N	2.5mm ²	550 V	8.34 A	11.90 A
				4mm ²		11.12 A	15.86 A
				6mm ²		14.25 A	20.33 A
				10mm ²		19.81 A	28.26 A
				16mm ²		26.42 A	37.68 A
				35mm ²		42.46 A	61.98 A
				50mm ²		52.50 A	74.88 A
				70mm ²		66.75 A	95.21 A
	IECEx SIR05.0038U	Ex e II	AKZ4 and AKE4	4mm ²	275 V	-	-

----- To be continued -----

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Type: 3-Way Bottom Entry™ Box
 No. of Box sizes: 2 (1 to 2)
 Gland entry size: M20, M25
 Cable size: 2.5mm² to 35mm²
 Box Material: Impact corrosion and UV resistant glass reinforced polyester compound
 Seal material: Nitrile rubber
 Inserts: Brass internal earthing and rail mountings
 Optional accessories: Certified terminals, 3-Blanking Plugs and Box Spanner (Lid Locking Key)
 Note: The installer is to ensure that the materials are suitable for the installation environment. And manufacturer's application and assembly instructions are to be followed.

Protection levels: IEC Ex: Ex e IIC T6 Gb, Ex nA IIC T6 Gc, Ex tb IIIC T70°C Db
 IEC Ex: Ex e IIC Gb, Ex nA IIC Gc, Ex tb IIIC Db for empty enclosure
 Operating temp.: -60°C to +40/55°C
 -60°C to +110°C for empty enclosure
 Ingress protection: IP66, IP67, IP68 (2m cont)

Conditions for safe:

- Only the CCG tool supplied shall be used for opening / closing the enclosure.
- Suitably certified cable glands and/or plugs shall be used in the enclosure threaded entries
- Terminal blocks shall only be used on the applicable rail and shall allow sufficient space to make connections and to close the cover / lid..
- The creepage and clearance between terminal blocks and from the terminal block to any earthed / bonded metallic part shall comply with the EN60079-7 requirements for the acceptable voltage of the terminal blocks.
- Only the following terminals may be used, following the specific installation conditions set down by the terminal manufacturer / terminal certification. The current per circuit in the junction box is limited by the size of the conductor and shall not exceed the following.

Manufacturer	Certification Number	Ex coding	Type	Size	Volt.	Max. current	
						≤55°C	≤40°C
Weidmuller	IEC Ex ULD 14.0005U	Ex eb IIC	WDU 2.5, 4, 6, 10, 16, 35 and 70N	2.5mm²	550 V	8.34 A	11.90 A
				4mm²		11.12 A	15.86 A
				6mm²		14.25 A	20.33 A
	Demko 14ATEX1338U		WPE 2.5, 4, 6, 10, 16, 35 and 70N	10mm²		19.81 A	28.26 A
				16mm²		26.42 A	37.68 A
				35mm²		42.46 A	61.98 A
	IECEX SIR05.0038U	Ex e II	AKZ4 and AKE4	4mm²	275 V	-	-

Type: Angle Box™ - Ex
 No. of Box sizes: 1 (2)
 Gland entry size: M20, M25
 Cable size: 2.5mm² to 35mm²
 Box Material: Impact corrosion and UV resistant glass reinforced polyester compound
 Seal material: Low temp. nitrile rubber, EPDM seals
 Inserts: Brass, internal earth continuity ring and earth stud provided
 Optional accessories: Ex certified terminals, Box spanner (Lid Locking Key)
 4-Blanking plugs provided
 Note: The installer is to ensure that the materials are suitable for the installation environment. And manufacturer's application and assembly instructions are to be followed.

----- To be continued -----

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Protection levels: IEC Ex: Ex e IIC T6 Gb, Ex nA IIC T6 Gc, Ex tb IIIC T70°C Db
IEC Ex: Ex e IIC Gb, Ex nA IIC Gc, Ex tb IIIC Db for empty enclosure
Operating temp.: -60°C to +40/55°C
-60°C to +110°C for empty enclosure
Ingress protection: IP66, IP67, IP68 (2m cont)

Conditions for safe:

- Only the CCG tool supplied shall be used for opening / closing the enclosure.
- Suitably certified cable glands and/or plugs shall be used in the enclosure threaded entries
- Terminal blocks shall only be used on the applicable rail and shall allow sufficient space to make connections and to close the cover / lid..
- The creepage and clearance between terminal blocks and from the terminal block to any earthed / bonded metallic part shall comply with the EN60079-7 requirements for the acceptable voltage of the terminal blocks.
- Only the following terminals may be used, following the specific installation conditions set down by the terminal manufacturer / terminal certification. The current per circuit in the junction box is limited by the size of the conductor and shall not exceed the following.

Manufacturer	Certification Number	Ex coding	Type	Size	Volt.	Max. current	
						≤55°C	≤40°C
Weidmuller	IEC Ex ULD 14.0005U	Ex eb IIC	WDU 2.5, 4, 6, 10, 16, 35 and 70N	2.5mm ²	550 V	8.34 A	11.90 A
				4mm ²		11.12 A	15.86 A
				6mm ²		14.25 A	20.33 A
	Demko 14ATEX1338U		WPE 2.5, 4, 6, 10, 16, 35 and 70N	10mm ²		19.81 A	28.26 A
				16mm ²		26.42 A	37.68 A
				35mm ²		42.46 A	61.98 A
	IECEX SIR05.0038U	Ex e II	AKZ4	4mm ²	275 V	-	-

Type: Bottom Entry Angle Box™
No. of Box sizes: 3 (1 to 3)
Gland entry size: M20, M25, M32
Cable size: 2.5mm² to 35mm²
Box Material: Impact corrosion and UV resistant glass reinforced polyester compound
Seal material: Low temp. nitrile rubber
Inserts: Brass, internal earth continuity ring and earth stud provided
Optional accessories: Ex certified terminals, Box spanner (Lid Locking Key)
3-Blanking plugs provided
Note: The installer is to ensure that the materials are suitable for the installation environment. And manufacturer's application and assembly instructions are to be followed.

Protection levels: IEC Ex: Ex e IIC T6 Gb, Ex nA IIC T6 Gc, Ex tb IIIC T70°C Db
IEC Ex: Ex e IIC Gb, Ex nA IIC Gc, Ex tb IIIC Db for empty enclosure
Operating temp.: -60°C to +40/55°C
-60°C to +110°C for empty enclosure
Ingress protection: IP66, IP67, IP68 (2m cont)

————— To be continued —————

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Attached Sheet to Cert. No. TA25240M

- Conditions for safe:
- Only the CCG tool supplied shall be used for opening / closing the enclosure.
 - Suitably certified cable glands and/or plugs shall be used in the enclosure threaded entries
 - Terminal blocks shall only be used on the applicable rail and shall allow sufficient space to make connections and to close the cover / lid..
 - The creepage and clearance between terminal blocks and from the terminal block to any earthed / bonded metallic part shall comply with the EN60079-7 requirements for the acceptable voltage of the terminal blocks.
 - Only the following terminals may be used, following the specific installation conditions set down by the terminal manufacturer / terminal certification. The current per circuit in the junction box is limited by the size of the conductor and shall not exceed the following.

Manufacturer	Certification Number	Ex coding	Type	Size	Volt.	Max. current	
						≤55°C	≤40°C
Weidmuller	IEC Ex ULD 14.0005U	Ex eb IIC	WDU 2.5, 4, 6, 10, 16, 35 and 70N	2.5mm ²	550 V	8.34 A	11.90 A
				4mm ²		11.12 A	15.86 A
				6mm ²		14.25 A	20.33 A
				10mm ²		19.81 A	28.26 A
				16mm ²		26.42 A	37.68 A
	Demko 14ATEX1338U		WPE 2.5, 4, 6, 10, 16, 35 and 70N	35mm ²		42.46 A	61.98 A
	IECEX SIR05.0038U	Ex e II	AKZ4	4mm ²	275 V	-	-

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