CCG Posi Fit Ex e, Ex n, DIP, IP68 Junction Boxes for Hazardous Installations

Features and Benefits:
- High temperature resistance and aesthetics properties.
- 400mm long cable glands are provided for use with terminal blocks.
- Rear entry for backshell connections to be made outside of the box.
- Only approved CCG cable glands and non-sparking terminals must be used.
- Dust and water tight in IP68 when fitted with CCG-sealed cable glands.
- Boxes can be buried for extended periods.
- Boxes will see through polyethylene "sheat everlasting" available on request.
- 4-Way Adapters with parallel entries available on request.

Technical Data:
- Type: Posi Fit 4-Way Junction Box
- 3-Way Junction Box
- Material: impact resistant glass reinforced polyester compound.
- Color: transparent, black, and UV resistant glass reinforced polyester compound.
- Accessories: 4-Way locking lugs provided.

Standards and Certifications:
- Hazardous Area Classification:
  - SANS 101, AUS 10, CNE: Zone 1, 2, 21 and 22 Ex e, DIP A21
  - EN 60079-14, EN 60079-15
- Certification:
  - Australian/New Zealand/IEC: ATEX 2001
  - CAN/CSA/CENEG: EN60079-14, EN60079-15
- Chinese:
  - GB 12477.1
  - GB 12477.2
- German:
  - SABS 5072
- SABS 50726
- SANS 61241.1, SANS 61241.0, SANS 61241.1
- Ambient Temperature: 17°C to 55°C
- Operating Temperature: -20°C to 40°C
- IP 66/68 (2 m)

Wiring and Installation Instructions for DIP Certified Junction Boxes:
- Installation must be carried out by a competent person.
- Do not install under live current conditions.
- The box must not be modified in any way, as this will invalidate the certification.
- Wiring must be carried out in accordance with the relevant Codes of Practice.
- The wiring installation must not extend more than 150mm from the metal face of the terminal as shown in Figure 1.
- The voltage and current rating of the box must not be exceeded.
- Only those terminals shown in the terminal schedule may be incorporated in the box, refer Table 1.
- Inner cable dead-end must protrude into the box by a minimum of 20mm past the cable entry point.
- Not more than one single or multiple stranded lead shall be connected into either side of the terminal.
- Only earth conductors of equal size shall be connected with equal stranded terminals.
- All terminal blocks used shall be tightened.
- A 15mm² flexible copper conductor should be used for reel-mounted terminal blocks.
- Where cables enter the box they must be secured by CCG Cable Glands appropriate to the make up of the cable.
- Ground entry connectors must be blocked with certified CCG blocking plugs.
- To prevent IP66/68 a thread seal gasket between the box and cable gland must be installed.
- Before replacing the lid, make sure the lid gasket is in place.
- The use of a lid locking key is required to maintain the proper seal integrity of the box, refer Figure 2.

Table 1

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<th>Part No.</th>
<th>Red Size</th>
<th>Terminal Size (mm²)</th>
<th>Quantity</th>
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</table>

Figure 1

- Box dimensions: 275 x 275 x 110 mm
- Terminal capacity: 24 x 20mm²
- Cable gland entry: 2 x 25mm²
- IP 66/68 protection
- Dust and water tight in IP68