250 A, 24 kV class deadbreak junctions - interface A

DJ250-T2 - 250 A, 24 kV Class

Related products
- DE250 Elbow Connector
- DS250 Straight Connector
- DRC250 Receptacle Cap

Installation
- No special tools, heating, taping, or potting are required.
- Can be energized immediately after the mating parts are secured.
- Uses the standard bails supplied with the elbow and straight connectors.

Application
- For connection of three 250 A premoulded connectors to form a separable cable joint.
- For indoor or outdoor applications.
- For use in submerged vaults, surface applications, and with aerial cables.
- System voltage to 24 kV.
- Continuous current 250 A (300 A overload for 8 hours).
- For de-energized operation.

Features
- Provides a fully screened and fully submersible separable connection when joined with mating parts.
- No minimum phase spacing requirements.
- 100% factory tested.

Standards
- Meets the requirements of CENELEC HD 629.1 S1, IEC 60502-4, and IEEE Std 386™-2006 standard.

Quality assurance
- Manufacturing facility is registered to ISO 9001 by third party audit.
- Routine tests.
- Fluoroscopic audit of random samples.

Packaging
- Supplied in single phase kit, approximate weight 0.9 kg.
Features and detailed description

1. Socket Contacts
   Finger-type socket contact of plated copper mates with the pin contact of the pre-moulded connector.
2. Busbar
   Internal copper current-carrying part.
3. External Screen
   Moulded semi-conductive EPDM rubber mates with the screen of the connector to maintain screen continuity.
4. Insulation
   Moulded EPDM rubber provides the phase-to-earth insulation and forms the interface with the mating connectors to maintain dielectric ratings and a watertight seal.

Figure 1. 250 A, 24 kV Class DJ250-T2 deadbreak junction.

Ordering information

To order, simply specify DJ250-T2. Kit includes junction, silicone lubricant, and paper towel. Bails and mating parts are ordered separately.
Bail bracket assembly: 2638617C01

Table 1. Electrical Ratings

<table>
<thead>
<tr>
<th></th>
<th>24 kV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum System Voltage ($U_{m}$)</td>
<td>24 kV</td>
</tr>
<tr>
<td>Partial Discharge Extinction (&lt;3 pC)*</td>
<td>20 kV</td>
</tr>
<tr>
<td>AC Withstand*</td>
<td>54 kV</td>
</tr>
<tr>
<td>Impulse Withstand</td>
<td>125 kV</td>
</tr>
<tr>
<td>Continuous Current</td>
<td>250 A</td>
</tr>
<tr>
<td>Overload (8 hrs)</td>
<td>300 A</td>
</tr>
<tr>
<td>Short Circuit Withstand, 1 sec (rms sym)</td>
<td>12.5 kA</td>
</tr>
</tbody>
</table>

* Denotes routine tests on 100% of production.
**Related products**

- DE250 Elbow Connector
- DS250 Straight Connector
- DRC250 Receptacle Cap

**Installation**

- No special tools, heating, taping, or potting are required.
- Can be energized immediately after the mating parts are secured.
- Uses the standard bail supplied with the elbow or straight connector.

**Application**

- For connection of two 250 A premoulded connectors to form a separable cable joint.
- For indoor or outdoor applications.
- For use in submerged vaults, surface applications, and with aerial cables.
- System voltage to 24 kV.
- Continuous current 250 A (300 A overload for 8 hours).
- For de-energized operation.

**Features**

- Provides a fully screened and fully submersible separable connection when joined with mating parts.
- No minimum phase spacing requirements.
- 100% factory tested.

**Standards**

- Meets the requirements of CENELEC HD 629.1 S1, IEC 60502-4, and IEEE Std 386™-2006 standard.

**Quality assurance**

- Manufacturing facility is registered to ISO 9001 by third party audit.
- Routine Tests.
- Fluoroscopic audit of random samples.

**Packaging**

- Supplied in single phase kits, approximate weight 0.7 kg.

**Table 2. Electrical Ratings**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum System Voltage (Uₘ)</td>
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* Denotes routine tests on 100% of production.
Features and detailed description

1. Socket Contacts
   Finger-type socket contact of plated copper mates with the pin contact of the pre-moulded connector.

2. Busbar
   Internal copper current-carrying part.

3. External Screen
   Moulded semi-conductive EPDM rubber mates with the screen of the connector to maintain screen continuity.

4. Insulation
   Moulded EPDM rubber provides the phase-to-earth insulation and forms the interface with the mating connectors to maintain dielectric ratings and a watertight seal.

Figure 3. 250 A, 24 kV Class DJ250-2 deadbreak junction.

Ordering information

To order, simply specify DJ250-2. Kit includes junction, silicone lubricant, and paper towel. Bails and mating parts are ordered separately.

Bail bracket: 2639524B01 (2 required)