

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.

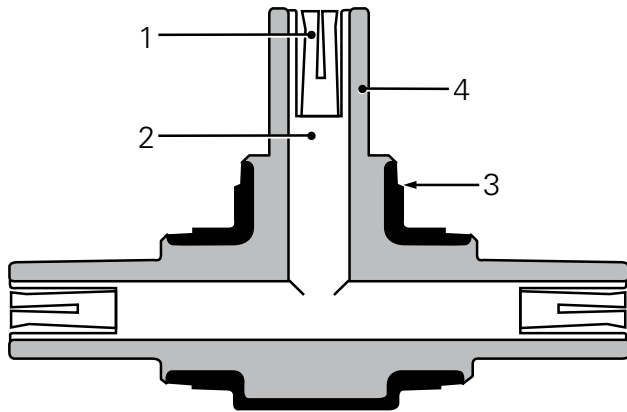
Packaging

- Supplied in single phase kit, approximate weight 0.9 kg.

EATON

Powering Business Worldwide

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

Maximum System Voltage (U_m)	24 kV
Partial Discharge Extinction (<3 pC)*	20 kV
AC Withstand*	54 kV
Impulse Withstand	125 kV
Continuous Current	250 A
Overload (8 hrs)	300 A
Short Circuit Withstand, 1 sec (rms sym)	12.5 kA

* Denotes routine tests on 100% of production.

DJ250-2 - 250 A, 24 kV Class

Figure 2. DJ250-2 deadbreak junction.

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

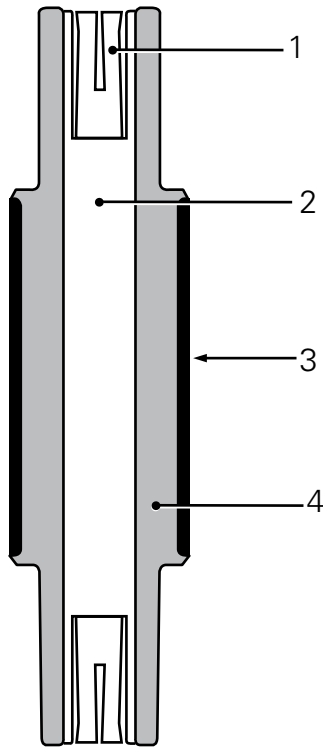
- Supplied in single phase kits, approximate weight 0.7 kg.

Table 2. Electrical Ratings

Maximum System Voltage (U_m)	24 kV
Partial Discharge Extinction (<3 pC)*	20 kV
AC Withstand*	54 kV
Impulse Withstand	125 kV
Continuous Current	250 A
Overload (8 hrs)	300 A
Short Circuit Withstand, 1 sec (rms sym)	12.5 kA

* 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)

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Eaton's Cooper Power Systems Division
2300 Badger Drive
Waukesha, WI 53188
Eaton.com/cooperpowerseries

© 2015 Eaton
All Rights Reserved
Printed in USA
Publication No. CA650023EN