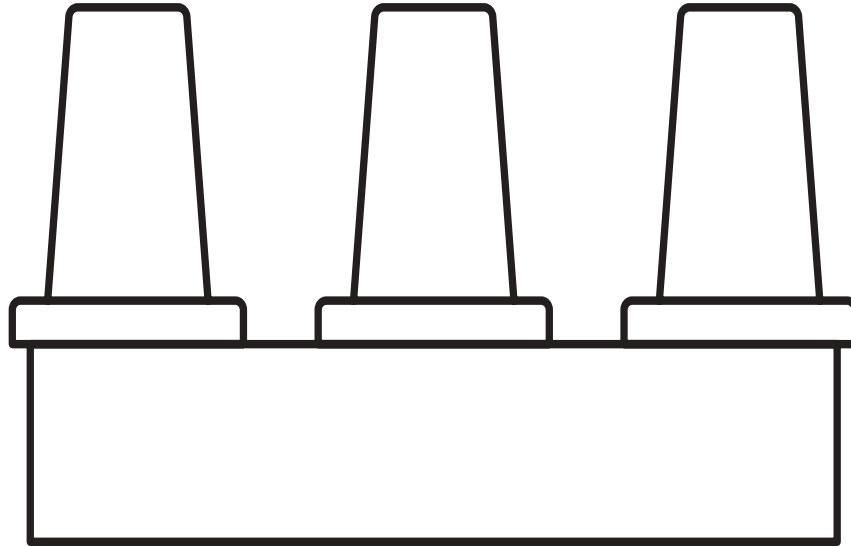


600 Ampere Deadbreak Junction 15 & 25 kV and 35 kV Class Installation Instructions



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Safety for life



Eaton meets or exceeds all applicable industry standards relating to product safety in its Cooper Power™ series products. We actively promote safe practices in the use and maintenance of our products through our service literature, instructional training programs, and the continuous efforts of all Eaton employees involved in product design, manufacture, marketing, and service.

We strongly urge that you always follow all locally approved safety procedures and safety instructions when working around high voltage lines and equipment, and support our “Safety For Life” mission.

Safety information

The instructions in this manual are not intended as a substitute for proper training or adequate experience in the safe operation of the equipment described. Only competent technicians who are familiar with this equipment should install, operate, and service it.

A competent technician has these qualifications:

- Is thoroughly familiar with these instructions.
- Is trained in industry-accepted high and low-voltage safe operating practices and procedures.
- Is trained and authorized to energize, de-energize, clear, and ground power distribution equipment.
- Is trained in the care and use of protective equipment such as arc flash clothing, safety glasses, face shield, hard hat, rubber gloves, clampstick, hotstick, etc.

Following is important safety information. For safe installation and operation of this equipment, be sure to read and understand all cautions and warnings.

Hazard Statement Definitions

This manual may contain four types of hazard statements:

DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in equipment damage only.

Safety instructions

Following are general caution and warning statements that apply to this equipment. Additional statements, related to specific tasks and procedures, are located throughout the manual.

DANGER

Hazardous voltage. Contact with hazardous voltage will cause death or severe personal injury. Follow all locally approved safety procedures when working around high- and low-voltage lines and equipment.

G103.3

WARNING

Before installing, operating, maintaining, or testing this equipment, carefully read and understand the contents of this manual. Improper operation, handling or maintenance can result in death, severe personal injury, and equipment damage.

G101.0

WARNING

This equipment is not intended to protect human life. Follow all locally approved procedures and safety practices when installing or operating this equipment. Failure to comply can result in death, severe personal injury and equipment damage.

G102.1

WARNING

Power distribution and transmission equipment must be properly selected for the intended application. It must be installed and serviced by competent personnel who have been trained and understand proper safety procedures. These instructions are written for such personnel and are not a substitute for adequate training and experience in safety procedures. Failure to properly select, install or maintain power distribution and transmission equipment can result in death, severe personal injury, and equipment damage.

G122.2

Procedure

Deadbreak junction assembly kit

- Deadbreak Junction
- Lubricant
- Instruction sheet

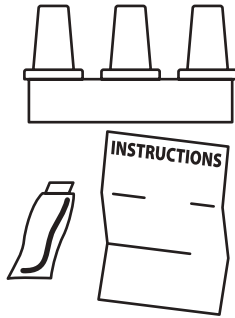


Figure 1. Assembly kit



WARNING

All associated apparatus must be de-energized during installation or maintenance.



CAUTION

The 600 Ampere Deadbreak Junction is designed to be operated in accordance with normal safe operating procedures. These instructions are not intended to supersede or replace existing safety and operation procedures.

The junction should be installed and serviced only by personnel familiar with good safety practices and the handling of high-voltage electrical equipment.

Note: For product applications that require ratings or characteristics not shown in current publications, contact Eaton for specific recommendations.

Install

1. Mount the deadbreak junction solidly. The following tables provide mounting dimensions for an Eaton-supplied bracket. User-supplied mountings should be designed to prevent excessive stress while holding the junction firmly.
2. Connect the junction bracket to the system ground. (Be sure that the junction's external conducting shield surface is connected to the system ground.)

Clean and lubricate

1. Remove the protective shipping caps.
2. Clean and lubricate the interfaces of the deadbreak junction and mating apparatus.
3. Use lubricant (supplied) or Eaton-approved equivalent.

Assemble

1. Install the cleaned and lubricated mating apparatus per instructions provided with the product.
2. All interfaces must be covered with the mating apparatus.

600 Ampere Deadbreak Junction 15 & 25 kV and 35 kV Class

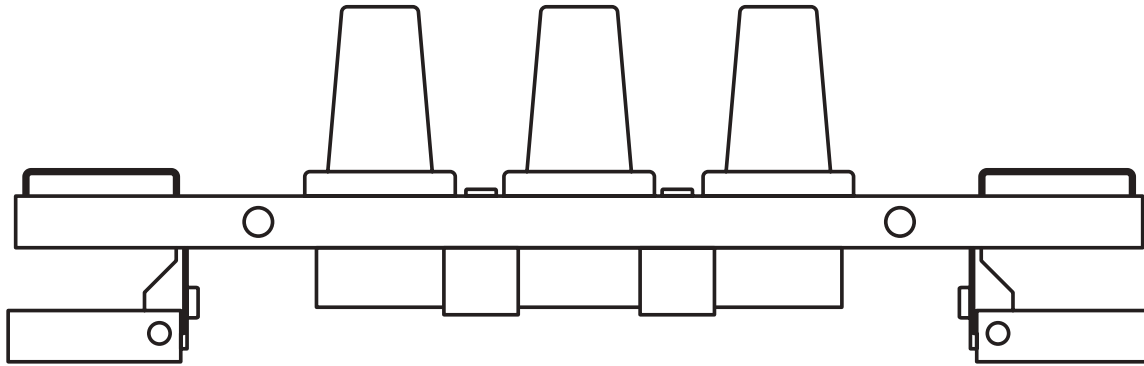


Figure 2. 15 kV and 25 kV class mounting

Table 1. 15 kV and 25 kV class mounting dimensions (in./mm)

Number of Interfaces	Configuration 1		Configuration 2		Configuration 3	
	Min.	Max.	Min.	Max.	Min.	Max.
2	14.7 (374)	18.1 (460)	11.2 (285)	14.7 (374)	7.5 (191)	11.2 (285)
3	19.3 (491)	23.0 (585)	15.8 (402)	19.3 (491)	12.0 (305)	15.8 (402)
4	24.8 (630)	28.1 (714)	21.3 (541)	24.8 (630)	17.5 (446)	21.3 (541)

1. Both feet turned out. 2. One foot turned out, the other in. 3. Both feet turned in.

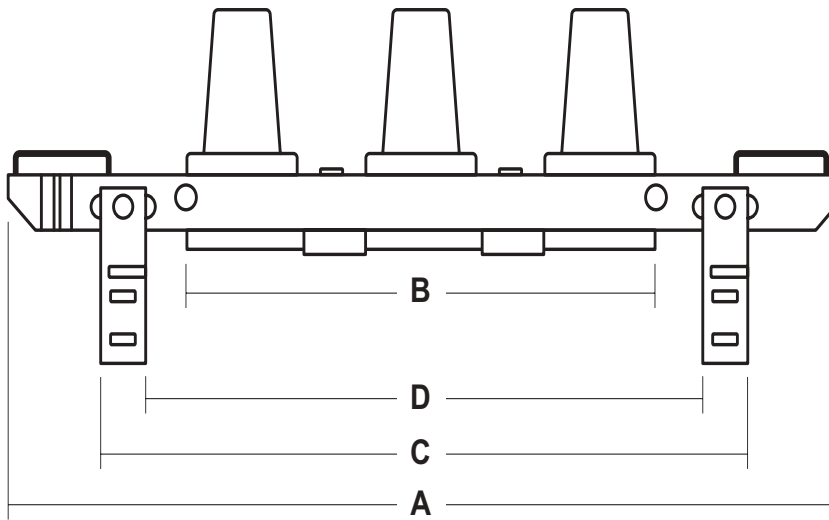


Figure 3. 35 kV class mounting

Table 2. 35 kV class mounting dimensions (in./mm)

Number of Interfaces	A	B	C	D
2	21.5 (546)	9.0 (229)	15.5 (394)	12.5 (318)
3	27.5 (699)	15.0 (381)	21.5 (546)	18.5 (470)
4	33.5 (851)	21.0 (534)	27.5 (699)	24.5 (623)



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