

EATON

Cutler-Hammer

Roll-up Generator Termination Box

Product Focus



Roll-up Generator Termination Box

Eaton's new Roll-up Generator Termination Box (RUGTB) is designed as an intermediate termination cabinet between a temporary, portable, roll-up generator and the facility

being served by the portable generator. This termination box is designed for permanent installation and is ideally suited for applications where customers need a secure termination point near the roll-up generator's ultimate position.

The RUGTB is an economical transition from a roll-up generator to the facility for backup power.

The RUGTB includes line and load terminations. Line terminations are supplied for the temporary connection of the portable generator. The line terminations inside the RUGTB are accessible through a lockable trap door in the bottom of the enclosure. Several termination options are available.

The RUGTB also includes permanent terminations on the load side to feed the secondary disconnect in the facility. This secondary disconnect is interlocked with the main overcurrent device in a manner that ensures that only one, either the service main or the generator main, can be energized at any one time. Space is provided for permanently installed conduits exiting the bottom of the enclosure. These conduits are buried underground and feed into the secondary, interlocked disconnect for the facility. Conduits and conductors are selected and installed by others, and must be sized per the National Electrical Code®.

Standard Features

- Type 3R enclosure.
- Line and load side mechanical alloy set screw lugs.
- Hinged bottom trap door for line conductors.
- 36-inch (914.4 mm) width.

Optional Features

- Compression lugs (line and load):
 - One-hole Anderson
 - Two-hole Burndy copper only (requires 45-inch (1143.0 mm) wide enclosure)
- Compression lug provisions (line and load):
 - One-hole provisions with studs
 - Two-hole provisions with 0.50-inch (12.7 mm) studs on 1.75-inch (44.5 mm) centers
 - Optional 45-inch (1143.0 mm) width

Enclosure

The sturdy enclosure is freestanding with feet on the bottom providing access to the cable terminations. The enclosure is made from code gauge steel and is suitable for either outdoor or indoor installation (Type 3R construction). The enclosure is painted with a polyester powder coat ANSI 61 gray.

The enclosure houses terminations for line and load phase, neutral and ground connections. Access is provided at the bottom of the enclosure for both the temporary connections to the roll-up generator and permanent connections to the facility's generator overcurrent disconnecting means. The permanent connection section at the bottom of the enclosure

contains a fixed mounting plate. The temporary generator connection to the RUGTB utilizes a hinged cover that allows access to the enclosure for generator conductors.

The enclosure utilizes feet that raise the termination compartment off finished grade by 18 inches (457.2 mm). Enclosure feet have provisions for anchoring the RUGTB. Anchor bolts (supplied by others) are used to secure the RUGTB to a pre-poured concrete pad provided by the installer in a manner that is suitable as a permanent base for the unit.

The enclosure contains a sturdy, lockable, hinged door for access to the termination compartment by qualified personnel as described in NFPA 70E and the National Electrical Code. Both line and load connections must exit the enclosure from the bottom.

Terminations

All Roll-up Generator Termination Boxes contain a termination/lug landing for three phases and neutral plus ground. Line termination options include mechanical lugs, one-hole and two-hole compression lugs, and one-hole and two-hole compression lug provisions. Lug provisions are provided with bolt configurations as described in the catalog data. The installer supplies lugs when provisions are ordered.

Standards and Ratings

- UL® 1773 — termination boxes.
- 600 Vac maximum.
- Ampere ratings: 800, 1200, 1600, 2000 and 2500.
- Assembly short circuit rating: 35,000 amperes rms symmetrical.
- Marked "Suitable for use on the line side of service equipment" per UL 1773.

The Roll-up Generator Termination Box and sister product, the Quick Connect Switchboard, are your answers for transitioning between a portable generator and your building. For more information, contact your nearest Eaton sales office or visit us online at www.EatonElectrical.com.



Freestanding Enclosure with Feet for Anchoring



Mechanical Lug Terminations Shown

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