

# Russellstoll®

## Ever-Lok® Locking Connections – Overview

Standard: 10-50 Amp, Maximum 600 VAC or 250 VDC

Heavy Service: 30-100 Amp Maximum 480 VAC or 250 VDC

Midget: 10-20 Amp Maximum 250 VAC or 250 VDC

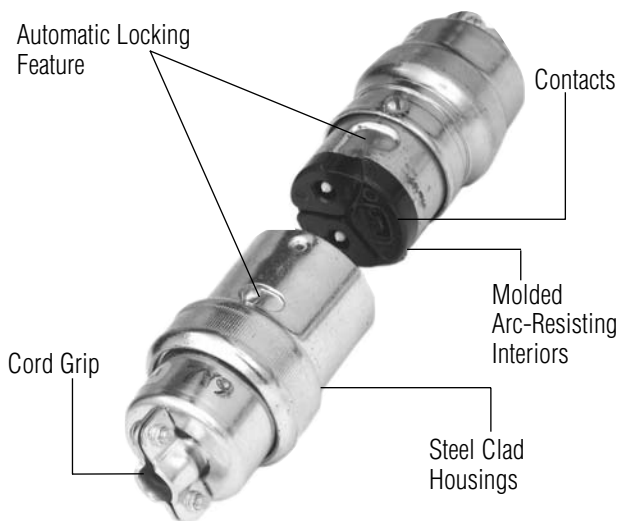


When an Ever-Lok connection is made, it is a mechanical attachment which will not pull apart unless it is unlocked by hand.

To install, line up the tabs and plug it straight in. External buttons or ribs lock with the mating internal

housing automatically. When an Ever-Lok plugs in, it stays in. Locked housings do the work so Ever-Lok contacts can carry the load! A firm grip and short 1/8 counter-clockwise reverse twist release locking for easy removal.

### Design Features



- 1. Automatic Locking** – Automatic locking feature mechanically attaches the plug casing to the receptacle or connector, and eliminates strain on electrical contacts.
- 2. Positive Grounding** – Casings are positively grounded by means of phosphor bronze ground straps integral with ground contacts. Equipment grounding is secured by separate set of contacts which “make” first and “break” last as required by UL.

- 3. Dust-Proof** – On clamp type plugs and connectors a washer is provided in each cap to be forced over the cord. This serves as a shield to prevent metal particles, dust, etc., from entering the interiors of plugs and connectors.

Bushing type plugs and connectors are furnished with a gland nut and neoprene cable bushing gland to exclude dust and moisture. A formed glide washer is also provided to facilitate tightening of the gland nut.

Receptacle covers are sealed to boxes by gaskets and have hinged flaps which are gasket-lined and equipped with strong springs to keep them closed and dust-tight.

- 4. Steel-Clad** – Plugs and connectors are plated steel. Plugs have encased locking spring in machine assembled non-separable housings.
- 5. Cord Grip** – Plugs and connectors are provided with adjustable cord grips, preventing strains on connections.
- 6. Contacts** – Contacts are precision made, self-wiping and self-aligning brass and nickel plated brass.
- 7. Unit Assembly** – Contacts and terminals are permanently assembled in arc-resisting composition body permitting removal of interior as a unit for wiring. All connections are entirely enclosed, thus avoiding accidental short circuits and tampering by inexperienced personnel.
- 8. Handles Lined** – Shell handles have a HDPE liner to contain stray wire ends.
- 9. Interiors** – All interiors are molded arc-resisting composition.

**Thomas & Betts**