



SNAP-LUG QUICK-DISCONNECT POWER CONNECTORS

SAFE, RELIABLE, QUICK-DISCONNECT, KEYED LOCKING CONNECTORS

SNAP-LUG QUICK-DISCONNECT POWER CONNECTORS

Secure Click-to-Lock Connector, Easy to Install



EASY TO USE

- Snap on/push to release; no tools required
- Color-coded and keyed connector prevents reverse polarity
- Enables connections in confined spaces

SAFE AND SECURE

- Provides a touch-proof connection that helps prevent accidental shock under power
- Locking feature prevents unintentional disconnect in challenging environments
- Sealed interface prevents contamination

DURABLE

- Vibration resistant
- Single-piece installation
- No risk of foreign object damage from nuts and washers
- Click-to-lock feature reduces risk of partial mating

The Next Generation of Terminal Lugs

Snap-Lug quick-disconnect power connectors from TE Connectivity (TE) are ruggedized power disconnects designed to provide a quick method for interconnecting heavy gauge power cables to bus bars, relays, power panels, and similar applications in Aerospace, Defense, and Marine, and other harsh environment applications. These connectors have been engineered to replace traditional terminal lugs with safe, reliable, quick-disconnect, keyed locking connectors, enabling applied cost savings.

Easy to Use

No special tools are needed to install Snap-Lug connectors, and installation in confined spaces is a snap. Single piece installation means there are no nuts and washers that can cause foreign object damage. Color-coded and keyed connectors aids identification and reduces the chance of reversing polarity. Even confined spaces aren't a problem, saving time and effort on installation in the toughest environments.

Safe, Reliable and Efficient

The Snap-Lug connector's shrouded design provides a touch-proof connection that helps prevent accidental shock incidents when under power. The connectors are designed to replace traditional terminal lugs with a fast, easy-to-install connector that avoids the time-consuming process of affixing lugs to threaded posts with a torque wrench. As an added advantage, this tool-less design enables a safe, reliable power connection in space-constrained applications. Thus, installation and maintenance costs can be significantly reduced, with reliability and safety greatly improved.

MATERIALS

- **Housing, Key and Release Button:** High-temperature thermoplastic
- **Socket Body:** Tin-plated copper alloy
- **Louwer Band:** Silver-plated copper alloy
- **Post Contact:** Silver-plated copper alloy

ENVIRONMENTAL/MECHANICAL

- **Operating Temperature Range:** -65°C to +150°C
- **Mating Cycles:** 500
- **Vibration:** MIL-STD-1344, Condition V, Test D
- **Mechanical Shock:** MIL-STD-810G, Method 516.6
- **Flammability Rating:** UL 94V-O
- **Temperature Rise vs. Current:** 30°C max.
- **Connector Pull Testing:** 125 lbs. max. when mated
- **Crimp Tensile Pull Testing:**
 - 4 AWG:** 360 lbs.
 - 1/0 AWG:** 700 lbs.
 - 2/0 AWG:** 750 lbs.
 - 3/0 AWG:** 825 lbs.



ELECTRICAL PERFORMANCE

- **Voltage Rating:** 1500 VAC
- **Contact Resistance:** 0.1 mΩ initial; 0.2 mΩ final
- **Dielectric Withstanding Voltage:** 1500 V_{rms} at sea level
- **Voltage Drop:** 35 mV max., initial; 60 mV max., final
- **Current Ratings:**
(at 30°C T-Rise, Max.)
 - 4 AWG:** 80 A
 - 1/0 AWG:** 150 A
 - 2/0 AWG:** 200 A
 - 3/0 AWG:** 250 A



SPECIFICATIONS

- **Product Specification:** 108-32083
- **Application Specification:** 114-32130
- **Instructional Documentation:** 408-32183
- **Qualification Test Report:** 501-134053

APPLICATIONS

- Battery Terminal Connections
- Bus Bar Attachments
- Relay Connections
- Power Panel Feeder/
Distribution Lines
- Bulkhead Power Feedthroughs
- Terminal Block Connections
- Grounding/Grounding Strap
Connections

Part Numbering/Ordering Information

Type	Wire Size (AWG)	Yellow	Blue	Red	Black
	4	2226934-1	2226934-2	2226934-3	2226934-4
Socket Kit	1/0, 2/0	2226742-1	2226742-2	2226742-3	2226742-4
	3/0	2828522-5	2828522-6	2828522-7	2828522-8
Pin Kit	—	2226744-5	2226744-6	2226744-7	2226744-8

Tooling

Conductor Size (AWG)	Pico Crimp Tool	Locator	Crimp Head
4		10344	514DA-6934
1/0, 2/0	500-D-EC	10345	514DA-6742
3/0			514DA-6743

Snap-Lug Feedthrough Quick-Disconnect Power Connectors - In Development



(Contact TE for more information)

TE Components . . . TE Technology . . . TE Know-how . . .

AMP | Agastat | CII | Hartman | Kilovac | Microdot | Nanonics | Polamco | Raychem | Rochester | DEUTSCH
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North America	+1 800 522 6752	Asia Pacific	+86 400 820 6015
North America (Toll)	+1 717 986 7777	Japan	044 844 8180
EMEA/South Africa	+800 0440 5100	Australia	+61 2 9554 2695
EMEA (Toll)	+31 73 624 6999	New Zealand	+64 (0) 9 634 4580
India (Toll-Free)	+800 440 5100		

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Consult TE for the latest dimensions and design specifications.

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