PRODUCT HIGHLIGHTS

Sta-Kon® wire terminals

Experience the Sta-Kon advantage.

Sta-Kon

Value proposition

Sta-Kon wire terminals increase the operational efficiency and reliability of critical electrical equipment by providing superior conductor connection and termination protection, helping ensure continuous operations.

Key differentiating features

- **Selective annealing** — Because of the mechanical strength of copper, an installer can experience fatigue associated with repeated installations. For this reason, ABB puts its terminals through one more step called selective annealing. This process leaves the barrel soft enough to crimp and form around the wire. However, we “cold form” the tongue during the manufacturing process so it remains strong. This allows the tongue to withstand the repeated bends and bolt tightening strain common in electrical installations. Many competitors attempt to accomplish similar goals by removing valuable material or using a softer copper, which has lower conductivity. This increases electrical resistance as well as the odds for shorting and downtime.
- **Long barrel design** — If lowering electrical resistance, preventing wire pullout, eliminating a “missed” crimp and having an insulator that stays on the barrel during installation are your goals, then you must design a terminal with a long barrel. This also provides the insulator with additional surface area to hold tighter to the barrel. Most competitive barrel lengths range from 20–50% shorter than Sta-Kon terminals. The results can be a stream of electrical failure, rework and added expense. Many competitive insulators come off during crimping due to a limited barrel length.
- **Anti-rotational tongue** — This is a unique feature to the ABB ring tongue terminal. This design prevents terminal shorting by keeping the terminal secure in the terminal block. The installer can place a greater number of terminals closer together without worry.

Applicable industries


Commercial and institutional buildings


Metals and mining


Renewable energy


Utility industry


Data centers


Oil and gas


Rail


Wind power


Food and beverage


Power generation


Single and multi-family housing

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