Why Sta-Kon terminals are better

Selective annealing
Because of the mechanical strength of copper, an installer can experience fatigue associated with repeated installations. For this reason, ABB puts our 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 is done so the tongue can withstand repeated bends and bolt tightening strain common in most electrical installations. Many competitors attempt to accomplish similar goals by removing valuable material or using a softer copper that has lower conductivity. This increases electrical resistance as well as the odds for shorting and downtime.

Anti-rotational tongues
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.

Proper identification
We identify all terminals with wire and stud sizes. These markings are clearly visible on the surface of the tongue, taking any guesswork out of replacing or reordering additional parts. Our superior bright plating also assists in visibility.

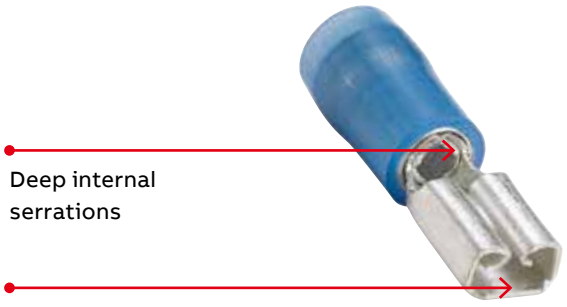
All Sta-Kon terminals are deburred and degreased
To ensure a Sta-Kon terminal is properly plated and insulated, all our parts are put through a process that cleans and smooths the terminal of any manufacturing residues, mainly grease, oils and sharp edges. Many competitive products do not put their product through such rigorous finishing.

Platings
Electro-plated tin is the standard. All others require minimum order quantities and are generally not stocked. Alternative platings as follows: gold, silver, tin-alloys, nickel, etc. The following finishes are available on most one-piece Sta-Kon terminals:

Finish	Suffix	Spec.	Temp. Rating
Gold plate	GP	MIL-G-45204 Type II, Grade B, C, D, Class O	260 ˚C
Nickel plate	NP	QQ-N-290 Class 2, Grade G	260 ˚C
Plain finish	PF	None	150 ˚C
Silver plate	SP	MIL-T-16366 Type I, or II, 400°F, 204°C	150 ˚C
Tin plate	TP	MIL-T-10727 Type I	150 ˚C

To order, add the indicated suffix to the regular catalogue number.

Underwriters Laboratories listing
Sta-Kon rings, forks, locking forks, two-way splices and disconnects are tested and listed to UL standards and all applicable products to CSA standards.



- Flat bottom box
- Electro-tin plating
- Center reinforced spring detent for minimum insertion force
- Compound spring rails provide positive contact after repeated insertions

Disconnects and male tabs

250 Series — Female disconnects

- Internal barrel serrations and long barrel provide for maximum tensile strength
- Complete line of installing tools, engineered to match tool with terminal
- Funnel-entry insulators enable easier inserting of wire into barrel
- Colour-coded for easy installation

250 Series — female disconnects

- Female disconnect terminals and matching male tabs accommodate a range of #22–#10 AWG, and are available in non-insulated, partially insulated and fully insulated styles, in both nylon and vinyl
- Unique construction of the female disconnect
- offers long-term dependability
- Brazed-seam serrated barrel provides maximum tensile strength

187 Series — female disconnects

- Quick, reliable method of connection to terminal blocks and boards without the use of tools
- Female disconnect terminals and matching male tabs accommodate a range of #22–#10 AWG, and are available in non-insulated, partially insulated and fully insulated styles, in both nylon and vinyl
- Unique construction of the female disconnect offers long-term dependability

	Cat. no.	Pkg. qty.	Wire range (AWG)	Max. ins. (in.)	Tab size (in.)	Fig.	Rec. tool	Dimensions (in.) A	B
	Nylon self-insulated								
	RA18-250F	100	22–18	0.136	0.250 x 0.032	1	ERG4001	0.91	0.29
	RA250-TB	1,000	22–18	0.136	0.250 x 0.032	1	ERG4001	0.91	0.29
	RB14-250F	100	16–14	0.162	0.250 x 0.032	1	ERG4001	0.91	0.29
	RB250	1,000	16–14	0.162	0.250 x 0.032	1	ERG4001	0.91	0.29
	RC10-250F	50	12–10	0.215	0.250 x 0.032	1	ERG4001	1.04	0.29
	RC250	500	12–10	0.215	0.250 x 0.032	1	ERG4001	1.04	0.29
	Vinyl self-insulated								
	18RA-250F	100	22–18	0.150	0.250 x 0.032	1	ERG4001	0.96	0.29
	RA257	1,000	22–18	0.150	0.250 x 0.032	1	ERG4001	0.96	0.29
	RA257-170	1,000	22–18	0.170	0.250 x 0.032	1	ERG4001	0.96	0.29
	14RB-250F	100	16–14	0.170	0.250 x 0.032	1	ERG4001	0.96	0.29
	RB257	1,000	16–14	0.170	0.250 x 0.032	1	ERG4001	0.96	0.29
	RB257-200	1,000	16–14	0.200	0.250 x 0.032	1	ERG4001	0.96	0.29
	10RC-250F	50	12–10	0.250	0.250 x 0.032	1	ERG4001	1.03	0.29
	RC257	500	12–10	0.250	0.250 x 0.032	1	ERG4001	1.03	0.29
	Nylon fully insulated								
	18RA-2577	50	22–18	0.165	0.250 x 0.032	2	ERG4001	1.01	0.38
	RA2573	1,000	22–18	0.165	0.250 x 0.032	2	ERG4001	1.01	0.38
	14RB-2577	50	16–14	0.185	0.250 x 0.032	2	ERG4001	1.01	0.38
	RB2573	1,000	16–14	0.185	0.250 x 0.032	2	ERG4001	1.01	0.38
	10RC-2577	50	12–10	0.225	0.250 x 0.032	2	ERG4001	1.04	0.38
	RC2573	500	12–10	0.225	0.250 x 0.032	2	ERG4001	1.04	0.38

Diagrams