



WIRE TERMINATION

Terminal Strips

- Heavy-duty, corrosion-resistant screws, surface plates and optional hardware
- Accessory hardware provides a variety of termination options
- Available cover helps prevent contact with live terminals
- Rugged polyester thermoplastic base (UL Rated 94V-0)
- Operating temperature rated from 130°C (260°F) to -40°C (-40°F)
- UL Recognized (E82048) and CSA Certified (LR15364)

Standard Block



Shorting Block

No. of Poles	Center Spacing	Wire Range (AWG Cu)	Recommended Torque	Terminal Screw Size	Cat. No.
89-200 Series, 30A/600V UL/CSA (Max. electrical rating 30A/250V when used with optional quick connects)					
2	.562 in. (14.28mm)	22 – 10	16 in. - lb.	#8-32 Philslot Zinc-Plated Steel	89-202
3					89-203
4					89-204
6					89-206
8					89-208
10					89-210
12					89-212
89-300 Series, 30A/300V UL/CSA (Max. electrical rating 15A/125V when used with optional quick connects)					
2	.375 in. (9.52mm)	22 – 14	9 in. - lb.	#6-32 Philslot Zinc-Plated Steel	89-302
4					89-304
6					89-306
8					89-308
10					89-310
12					
89-400 Series, 30A/300V UL/CSA					
2	.437 in. (11.10mm)	22 – 12	9 in. - lb.	#6-32 Philslot Zinc-Plated Steel	89-402
4					89-404
6					89-406
8					89-408
10					89-410
12					

No. of Poles	Center Spacing	Wire Range (AWG Cu)	Recommended Torque	Terminal Screw Size	Standard Block Cat. No.	Shorting Block Cat. No.
89-500 Series, 60A/600V UL/CSA (Max. electrical rating 60A/600V achieved only when used with #6 AWG copper wire crimped to ring terminal)						
4	.625 in. (15.88mm)	22 – 6	20 in. - lb.	#10-32 Slotted Nickel-Plated Brass	89-504	89-505
6					89-506	89-507
8					89-508	89-509
12					89-512	89-513



Covers

- Helps prevent contact with live terminals



No. of Circuits	For Use with			
	89-200 Clear Cat. No.	89-300 Clear Cat. No.	89-400 Clear Cat. No.	89-500 Clear Cat. No.
2	89-233	89-334	89-434	—
4	89-235	89-335	89-435	89-514
6	89-236	89-336	89-436	89-516
8	89-237	—	89-437	89-518
10	89-238	89-338	89-438	—
12	89-239	89-339	89-439	89-520

Quick Connects

- Allows fast, flexible circuit changes

For Use with	Terminal Strip Series	Tab Size (Inches)	Qty.	Flat -None Cat. No.	Flat - Flat Cat. No.
	89-300	.187 x .020	10	89-314	89-317
	89-200 & 89-400	.250 x .031	10	89-414	89-417

Jumpers

- Provides easy connection of multiple circuits

For Use with	Center Spacing (In.)	Quantity	Flat Slip-on Cat. No.	Over Barrier Slip-on Cat. No.	Flat 12-Circuit Cat. No.
Terminal Strip Series					
89-200	.562	10	89-229	89-224	—
		100	89-230	—	—
89-300	.375	10	89-323	89-324	—
		100	89-330	—	—
89-400	.437	10	89-423	89-424	—
		100	89-430	—	—
89-500	.625	2	—	—	89-525

Barrier Strips

- Recessed screws and tubular contacts provide added safety and help prevent short circuits
- Tubular contacts connect stripped, un-terminated solid or stranded wire directly to each contact
- Integrated wire protectors prevent twisting and breakage of stranded wire during connection
- Modular 12-circuit design can be cut into smaller sections, or stacked end-to-end
- Rugged nylon construction, UL 94V2
- Operating temperature rated to 105°C (221°F)



Electrical Ratings	Wire Range (AWG)	No. of Circuits	Torque in. - lb.	Model No.	Cat. No.
20A/300V UL	22 - 12	12	3.5	PA8DS	89-608
10A/400V CSA	20 - 18				
30A/300V UL	22 - 10	12	4.4	PA10DS	89-610
20A/400V CSA	18 - 14				
35A/300V UL/CUL	22 - 10	12	7.0	PA12DS	89-612
50A/300V UL/CUL	20 - 8	12	12.0	PA14DS	89-614






WIRE TERMINATION

Steel Crimp Connectors



- Designed for making fast, permanent, pressure-type connections
- Long, zinc-plated steel sleeves maximize contact area with conductors
- Will not vibrate loose when securely crimped
- UL Listed to 486C and CSA Certified to C22.2 #188; comply with Federal Specification W-S-610E.

Model	Wire Combination Range	Quantity	Cat. No.
410 	600V 18 thru 10 AWG Min. 1 #14 & 1 #18 Max. 2 #10 & 2 #14	Box of 100	30-410
		Carton of 1,000	30-510
		Keg of 10,000	30-610
	600V 18 thru 8 AWG Min. 3 #12 Max. 4 #10	Box of 50	30-411
		Carton of 1,000	30-511
	600V 18 thru 4 AWG Min. 1 #14 & 1 #16 Max. 2 #8 & 1 #6	Box of 50	30-412
		Carton of 1,000	30-512

**IDEAL hand crimp tools U.L. listed for Model 410, 411, 412:
30-425, 30-429, 30-430.**



Wrap-Cap® Insulators

- Provide high dielectric and physical protection for UL Listed, non-insulated pressure-type wire connectors
- Cap and loop design eliminates need for tape
- Unique design completely covers splice – insulates both around and between wires
- Reusable and easy to install
- UL Listed to 486C and CSA Certified for 600V maximum building wiring (1,000V maximum for fixtures and signs); temperature rated at 75°C (167°F) maximum






Model	Description	Quantity	Cat. No.
415	Insulator Model 410 Connectors can also be used on Buchanan 2006S & 2011S Copper Crimps	Box of 50	30-445
		Carton of 1,000	30-515
417	Insulator for Model 411 & 412 Connectors can also be used on Buchanan 2011S Copper Crimps	Box of 25	30-447
		Carton of 1,000	30-517



Pre-Insulated Crimp Connectors

- Three models cover a wide range of wire combinations from 22 AWG stranded through 8 AWG stranded
- Compact design fits easily into tight locations
- Flared skirt protects against turned-back strands
- Beveled opening eases wire entry
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)

Model	Wire Combination Range	Quantity	Cat. No.
48 	600V* Min. 2 #22 Max. 1 #14 w/2 #18	1,000	30-245
		10,000	30-645
49 	600V* Min. 1 #22 w/1 #18 Max. 1 #12 w/1 #16	1,000	30-249
		10,000	30-649
NC-8 	600V* Min. 4 w/#16 Max. 1 #12 w/4 #14	1,000	30-148
		5,000	30-648

*1,000V maximum in fixtures and signs.



Set Screw Wire Connectors

- Eliminates need for restripping wire each time connection is disturbed
- Solid brass sleeves in three sizes handle 22 through 10 AWG wires
- Set-screw easily and securely applies maximum compression to conductors to ensure a vibration-resistant splice
- Permits fast visual inspection of splice
- Tough, flame-retardant shell rated at 150°C (302°F)
- UL Listed to 486C and CSA Certified to C22.2 #188 ; comply with Federal Specification W-S-610E

Model	Wire Combination Range	Quantity	Cat. No.
10 	300V 22 thru 10 AWG Min. 1 #20 w/1 #22 Max. 2 #14 w/1 #16	Box of 100	30-210
		Carton of 1,000	30-310
11 	600V 22 thru 10 AWG Min. 1 #14 w/1 #20 Max. 3 #14 w/2 #18	Box of 100	30-211
		Carton of 1,000	30-311
22 	600V 20 thru 10 AWG Min. 1 #16 w/3 #18 Max. 2 #10 w/1 #12	Box of 100	30-222
		Carton of 1,000	30-322



Noalox® Anti-Oxidant

- Anti-oxidant compound improves efficiency and service life of aluminum electrical applications
- Suspended zinc particles penetrate and cut aluminum oxide
- Provides additional inner-strand and inner-conductor current paths for improved conductivity and cooler connections
- Carrier material excludes air to minimize further oxidation
- For use with pressure-type wire connectors including lugs, taps, service entrances and split bolts
- Reduces galling and seizing when applied to aluminum conduit joints – promotes good ground continuity



Description	Cat. No.
1/2-oz. Tube	30-024
4-oz. Squeeze bottle	30-026
8-oz. Squeeze bottle	30-030
8-oz. Brush cap	30-031
1-gal. Bucket	30-032
5-gal. Bucket	30-040

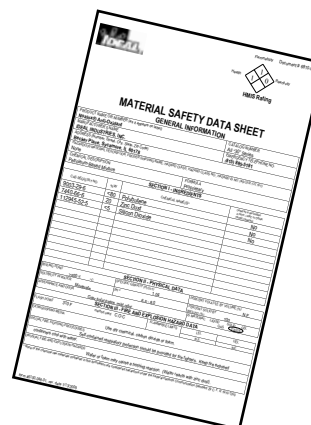
Set Screw Holder



- Convenient tool for holding and tightening set-screw connectors
- Accepts IDEAL Models 11 and 22 set-screw connectors

For Connector Models	Cat. No.
11 & 22 	K-2422

For a Material Safety Data Sheet on Noalox® and all other products visit us at www.idealindustries.com





Our **wedge-edge** expanding spring is specially designed for faster pull-up and quick connections. It also accommodates a wide range of wire gauges.



The **BUCHANAN C-24** Crimp Tool has an iron-clad reputation that's up to every job, every time. A patented four-way crimp ensures reliable connections, while the spring-loaded, cam-actuated design fits a wide range of connectors.



The comprehensive line of **BUCHANAN** sectional terminal blocks offers a wide range of block configurations, mounting options and contact styles accommodating wire sizes from 30 AWG to 250 MCM.



The **B2 B-CAP**® Wire Connector is the universal connector that accepts the widest range of wire combinations. Plus, the Classic Fin™ ergonomic design fits easily in tight electrical boxes.

