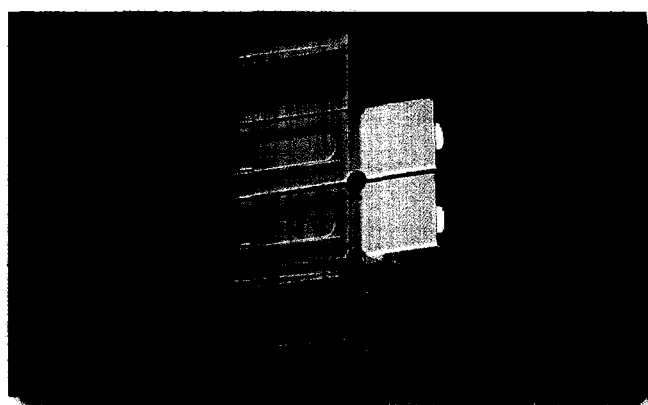
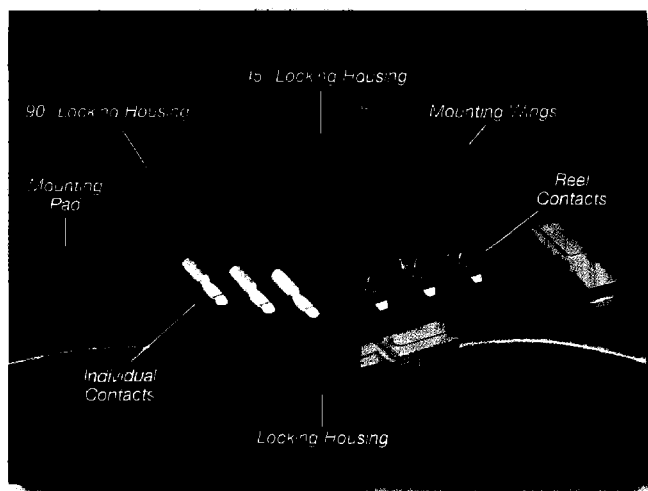
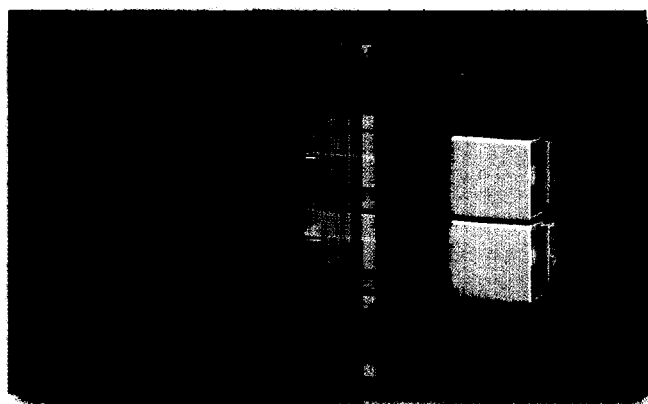


ANDERSON'S NEW LOCKING 75 AMP POWERPOLE® CONNECTOR



Side-mounted housings and wings.



Thru-mounted housings and wings.

Anderson Power Products

invented the Powerpole® connector – a unique *modular and genderless* power connector – which has performed with flexibility and high reliability for many applications. Now in addition to all the unique features of our standard 75 amp Powerpoles, we are offering a “Locking” version. Like our standard Powerpole housing, the New Locking 75 amp Powerpole version also has molded-in dovetails allowing you to stack the housings into a variety of lengths and heights, with the added innovation of a positive locking mechanism. These locking clips insure the operator that the connectors are attached to one another properly and also provides a reliable, rugged inter-connect for many of today's applications. The Locking 75 amp Powerpole utilizes the same contacts and crimp tooling as our standard 75 amp housing.

Description

This fully insulated connector is designed for high-current applications. The single-piece housing provides industrial quality and durability. Applications include: UPS Backup Systems, Telecommunications, Electrical, Electronic and other Power and Power Conversion Electronics.

Application

The New Locking 75 amp Powerpole is a single-pole connector with a latching design. To mate Locking Powerpole connectors together into modular, multipole configurations, simply slide the locking clip of one connector into the adjoining cavity of its mate. A snapping sound will be heard to insure that the two connectors are completely mated. The connector is rated for applications up to 75 amps. Available accessories include mounting wings and a mounting pad.



Features and Benefits

Features

Tin-plated, precision stamped copper strip contacts; or silver-plated, precision cold-formed copper contacts

Self-wiping action

Accepts #12AWG to #6 AWG

Latching design

Additional side/vertical mounting wings or surface mounting adaptor

Identical, interchangeable, genderless halves

Self-polarizing

Stackable and color-coded

45° and 90° Versions Available

Benefits

Minimal contact resistance at high current; Maximum corrosion resistance; Can be terminated individually or in high-speed APP 260G16 reel-feed Applicator

Contact surfaces are self cleaning

Permits multiple 75A cable options for design flexibility

Provides positive mechanical spring latch between housings creating lockable/unlockable attachment

Eliminates retaining pins, allows horizontal/vertical or direct mounting capability

Makes assembly quick and easy and reduces number of parts stocked

Connectors can only be mated the right way

Can be stacked into customized multiple configuration with visual color coding to match wire color

Excellent for blind-mate applications; The 45° and 90° interfaces facilitate alignment in modular functions; The 45° and 90° cannot be utilized on the "live" circuit side of the connection

Specifications

UL Current rating (amps)*	75**
UL Voltage rating (Volts)	600VAC or DC
Contact barrel wire size accommodation (AWG)*	#16 to #6
Average contact resistance (Ω)*	.0002
Insulation withstanding test voltage (volts DC)	2200
Maximum wire insulation diameter (inches)	.437 (7/16)
Contact retention force (lbs)	50
Average connection/disconnect force (lbs)	7
Operating temperature range (°C)***	-20 to +105
UL flammability rating of housing material	UL94 V-0
Life: a. No load (Connect/Disconnect Cycles)	10,000
b. Under load (Hot plug) max amps (250 cycles @ 120V)	50A

*For 65°C rated wire or cable size; **For 75°C rated wire or cable size; ***Contact factory for higher temperature rated connectors

Ordering Information

Description	Part Number/Color
75 amp Locking Powerpole Housing and Spring	75LOKBLU
75 amp 45° Locking Powerpole Housing and Spring	75LOK45BLU
75 amp 90° Locking Powerpole Housing and Spring	75LOK90BLU
75 amp Locking Powerpole Mounting Pad	75LOKSMTBLU
75 amp Locking Powerpole Mounting Wing	75LOKWNGBLU

Contacts are available on pages 14 and 15 of Master Catalog. When ordering additional colors, replace the last 3 letters to reflect your color preference: Black - BLK; White - WHT; Green - GRN; Red - RED

CERTIFIED
ISO 9001



UL Recognized



CSA Certified
Pending

USA EXECUTIVE OFFICES, SALES, ENGINEERING & MANUFACTURING

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ISO 9002 Certified

Agents and Distribution World Wide



Anderson Power Products®
Carbolon Custom Molding

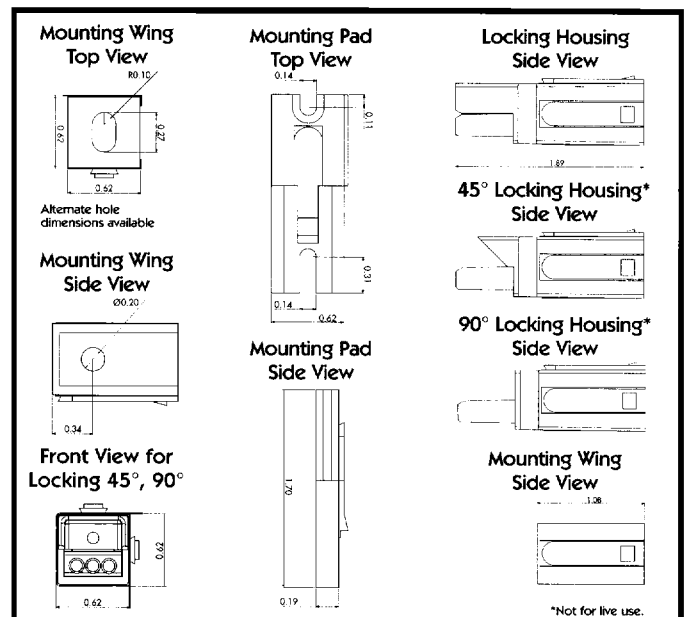
Anderson-Carbolon Group

Division of Anderson Interconnect, Inc.



Master Catalog

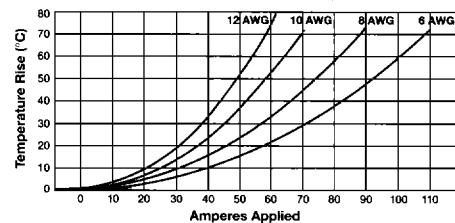
- 144 Pages
- Technical Information
- Color Photos
- Actual Size Illustrations



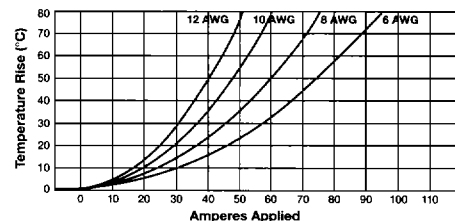
*Not for live use.

Temperature Rise at Constant Currents

POWERPOLE 75 SINGLE POLE



POWERPOLE 75 MULTIPOLE



POWERPOLE 75 (REEL CONTACT) MULTI-POLE - TIN PLATED

