



# PowerLock Connector Series

Field installable power distribution systems with up to 660 amps

The PowerLock connector series offers the ultimate in safety and reliability under the most severe operating conditions. PowerLock connectors are plastic bodied single pole electrical connectors used in high current applications. For use in single and polyphase power distribution systems up to 660 amps, the range includes panel and cable mounted connectors, and associated accessories. PowerLock connectors are moisture and impact resistant and feature insulated contact tips to prevent accidental touching of electrically live parts.

The connectors are easy to terminate to copper cable using either industry standard crimp tools or set-screw contacts. The silver plated contacts are available in 2 continuous current ranges, those with brass contacts are suitable for use up to 400 amps and those with copper contacts up to 660 amps. The high impact plastic connector bodies are keyed to prevent connection errors, and color coded to suit 3 phase electrical systems that are used in the US, Europe and Australia.

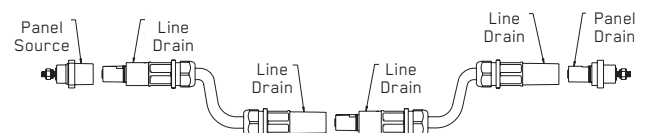
Secure coupling of a connector pair is through a bayonet lock together with a secondary locking pin. The secondary lock engages when the bayonet lock is fully turned and disconnection requires a simple release key. The secondary lock discourages tampering and reduces the risk of accidental or unauthorized disconnection. If fast disconnection is required, for an application where tampering is not a risk, the connectors can be fitted with a sliding collar that quickly unlocks the connectors.

## The Veam Difference

- Global capabilities and local support
- Proven application expertise
- Over a century of interconnect leadership
- A committed innovator and business partner

## Key Features

- 400 amp or 660 amp continuous power ratings
- Colored and keyed to support correct mating
- All connectors IP2X finger protected
- Crimp or set-screw cable attachment
- Environmentally sealed to IP67
- Secondary lock for added security



## Applications



LIGHTING SYSTEMS



GENERATORS



SHIP POWER SYSTEMS



ALTERNATIVE ENERGY

# PowerLock - How to order

			NLDFT	E-GN	L	C240	M40B	HG
Body Style	NLS NLDFT NPS NPFT	Line Source Line Drain Panel Source Panel Drain						
Line/Phase Color	E-GN N-BL N-W N-BK 1-BN 1-BK 1-R 2-BK 2-R 2-W 3-GY 3-BL	Ground / Green Neutral / Blue Neutral / White Neutral / Black Line 1 / Brown Line 1 / Black Line 1 / Red Line 2 / Black Line 2 / Red Line 2 / White Line 3 / Grey Line 3 / Blue						
L	L Blank	Use with NLDFT & NPFT Leave blank for NLS & NPS	NPFT & NLDFT only					
Type	C300 C240 C240new C185 C150 C120 C107 C95 C70 C50 C35 S120*	Crimp 300mm <sup>2</sup> copper cable* Crimp 240mm <sup>2</sup> copper cable* Crimp 240mm <sup>2</sup> copper cable* Crimp 185mm <sup>2</sup> copper cable* Crimp 150mm <sup>2</sup> copper cable* Crimp 120mm <sup>2</sup> copper cable* Crimp 107mm <sup>2</sup> copper cable* Crimp 95mm <sup>2</sup> copper cable* Crimp 70mm <sup>2</sup> copper cable* Crimp 50mm <sup>2</sup> copper cable* Crimp 35mm <sup>2</sup> copper cable* Set Screw 120 mm <sup>2</sup> (See Note*)	NPS only					
	T4 T6	M12 Threaded post 400amp M12 Threaded post 660amp	NPS only					
	H6	M12 Threaded hole 660amp	NPS only					
Contact Cable Gland	M40S M40A M40B M50	Gland nut 15-23mm Ø Gland nut 19-28mm Ø Gland nut 22-32mm Ø Gland nut 30-36,5mm Ø	NLS & NLDFT only					
Special Options	SC HG NF M6F M6R	Sliding Collar (Source only) Hand Grip (Line only) No Flange (Panel only) M6 threaded insert front (Panel only) M6 threaded insert rear (Panel only)						

\* **TYPE S120 NOTE** – When using S120 contact with smaller cables, a reduction kit is required. Each kit contains a series of sleeves to suit the cable size.

Cable size	Kit order code
95mm <sup>2</sup> cable	A3099000100
70mm <sup>2</sup> cable	A00602825
50mm <sup>2</sup> cable	A00602831
35mm <sup>2</sup> cable	A00602840
25mm <sup>2</sup> cable	A00602830

## Listings and Approvals



PowerLock connectors are tested and certified by VDE.



PowerLock connectors are manufactured and tested as required to carry European CE markings.

Safety note: PowerLock connectors and related products should be installed and handled by suitably qualified persons.

## Why ITT

ITT is a focused multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT's Cannon brand is a leading global manufacturer of connector products serving international customers in aerospace, defense, medical, industrial and transportation end markets. ITT's Connector business, which also includes the Veam and BIW Connector Systems brand, manufactures and supplies a variety of connectors and interconnects that make it possible to transfer data, signal and power in an increasingly connected world.

Connect with your ITT Cannon representative today or visit us at [www.ittcannon.com](http://www.ittcannon.com)

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