

APPLICATION NOTE

www.ittcannon.com

VEAM Snaplock

July 2007

The Challenge

When a means of rapidly connecting high power lines to equipment is required, the customer will look for a connector with a secure locking mechanism which can be quickly released. The source contacts will need to be finger proof and the connection sealed. They will often need a high number of mating cycles and a compact design.



The ITT Solution ...

VEAM Snaplock is a family of single pole connectors which take up to 250 Amps. 30% smaller than Powerlock, these connectors have a similar connection band, giving minimal power loss over 500 mating cycles.

Applications

- High power lighting, video and audio equipment.
- Battery powered vehicles.
- Mass transit systems.

Features

- A non-conductive cap on the pin contacts.
- Sealing rings on the male housing and cable glands on line connectors for environmental protection.
- The crimp cable contacts are held in the insulator by a retention clip. Panel connectors have M12 threaded post contacts to connect to lugged cable.
- The insulators are colour coded and made from a high impact, UL94-V0 material.
- A sprung locking mechanism on the male housings.

Benefit to the Customer

- Pin contacts with IP2X finger protection.
- IP67 environmental rating when mated.
- Range of crimp contacts to take 25mm² to 70mm² / 4 AWG to 00 AWG cables.
- Locked against accidental disconnection while allowing quick release of the cable connectors.

For application assistance, please contact:

AMERICAS

Mike Gardiner, mike.gardiner@itt.com

EUROPE

Nick Lewis, nick.lewis@uk.itt.com