SRC system offers rugged, sealed hybrid connection system

[1]Molex Incorporated [1] introduces the Sealed Rectangular Connector (SRC) System [2], the next generation SRC system offers a rugged, sealed wire-to-panel and wire-to-wire hybrid connection system. SRC is designed for high-circuit-count applications in harsh environments such as those found in agricultural machinery, construction and mining equipment.

Featuring an integral, two-way matte seal with improved retention highlight the new SRC system passes IP69k testing and is ideally suited for applications in harsh environments. Additionally, the use of field-proven MX150 (control) and MX150L (power) terminal technology helps Non-Automotive Transportation (NAT) OEMs achieve significant production cost savings by eliminating the need to purchase, handle and crimp individual wire seals. The modular design of the SRC, consisting 7 segments (A to G) that can be either power or control segments, where one control segment consists of 12 circuits and one power segment consists of 3 circuits, provides flexibility to increase circuit count up to 84 (control only) and allows for simple field repair and replacement of headers and connectors.

The SRC system uses MX150 terminals with current ratings up to 18A, while the MX150L terminals are rated up to 40A. SRC retention greater than 400N helps ensure good mating in high-vibration environments. The single-handed blind mate functionality of the SRC is achieved through a sliding latch with cam action. In addition, plastic stand-offs arranged within the Terminal Position Assurance (TPA) provide an anti-scooping feature that prevents damage to terminals when header and connector are mated. Flexible standard or mixed power/signal options are available.

Molex
[3]www.molex.com/link/src.html [3]

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http://www.ecnmag.com/product-releases/2012/06/src-system-offers-rugged-sealed-hybrid-connection-system

Links:
[1] http://www.molex.com/
[2] http://www.molex.com/molex/products/family?key=src&channel=products&chanName=family&pageTitle=Introduction
[3] http://www.molex.com/link/src.html