

Turck Debuts New Preassembled Meltric Connector Cable Assemblies to Improve Safety in Demanding Environments

Minneapolis MN, January 19, 2017 –To improve worker safety in industrial environments, Turck introduces its new preassembled Meltric connector offering with arc protection. The products offer a complete cable assembly solution, saving labor and installation time and ensuring reliability.

To protect against arcing, the Meltric series connectors feature spring-loaded demating technology inside an enclosed arc chamber, along with mating and demating shutters to shield users from live parts. This design allows users to safely connect and disconnect the devices under load, providing quick change-outs. For additional safety, these connectors will only mate with their designated connector class, and demate and break load by the push of a button directly on the connector.

Each Meltric connector is switch and horsepower rated, so one device can be used as both a connector and disconnect switch. This streamlines operations by removing the need for a separate disconnect switch in applications that require a line-of-sight disconnect. In addition, the connector can also be used as a lockout/tagout device.

“The Meltric series is ideal for use with high-powered electrical equipment because these connectors can serve as both a connector and a disconnect switch,” said Luke Handahl, Product Engineer at Turck. “Also, with the ability to have a quick disconnect connector, the motor change-out process is simplified. With previous hardwired solutions, maintenance had to work through a cumbersome and time-intensive process for equipment change-out. Turck’s new Meltric connector offering can be simply disconnected with the push of a button and they meet all required electrical safety guidelines.”

Turck’s preassembled Meltric connectors are IP66 and IP67 rated. The connectors are available in 20 amp, 30 amp and 60 amp versions, which include variations with auxiliary contacts. The offering has standard connectors that carry UL, CSA and IEC listings, and is also available with connectors that carry hazardous location approvals. The hazardous location connectors are rated to ATEX Category 2 for gases and dust, and IECEx zone 1, and also carry CSA Class I, Division 2 and Class II, Division 2 as well as CSA Class I Zone 1 and Class II Zone 21 (for US and Canada).



The new Meltric series design features arc protection and are provided as a complete assembled connector solution with cable

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