M12 connectors for power tout T-coding

Binder-USA introduces the first official line of M12 power connectors with T-coding. The Series 813 connectors use the standard M12 locking thread, but feature a new coding or key to prevent mismating with other M12 versions. Other modifications of the M12 connector have been made in order to increase the maximum rated current, cable and wire size. With these changes the connectors are now even more suitable for power supplies in automation technology.

The T-coded M12 connectors have four gold-plated contacts, which allow a wire cross-section of 1.5 mm² or 16 AWG wire, and can transfer up to 12 A at 60 V DC. With these new changes the field-attachable connectors now accept cables between 8 to 10 mm in diameter. When fully mated and locked the connectors are IP67 rated ensuring protection from liquids and debris.

Currently the male and female field-attachable connectors are available with a plastic housing and die cast locking ring. The mating panel-mount connectors are made of nickeled die cast zinc, and feature a M20 x 1.5 fixing thread for mounting to a panel.

Other versions of the T-coded M12 power connectors are planned to be released in the coming year. With specific minimum quantities requested by the customer cable assemblies using the new design can be manufactured.

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