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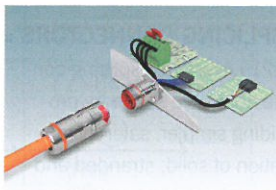
AUGUST 2017



thinkallied.com

HYBRID CONNECTORS FOR SIGNAL, DATA, POWER

M40 hybrid, circular, robust connectors have Speedcon fast-locking for quick, safe connections; pin-connector pattern with a PE contact; four power contacts; four signal contacts and four data contacts. M40 is suitable for currents to 70 A, and features separate AC and DC codings to prevent mismatching. Its 360° shielded data interface ensures reliable transmission up to 100 Mbps. Along with IP68/69K protection, M40 is fit for -40 °C and 125 °C temperatures. Straight and angled device connectors are available.

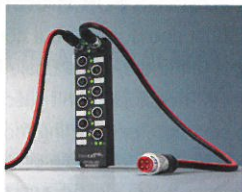


PHOENIX CONTACT

800-322-3225; www.phoenixcontact.com/hybridconnectors

ONE-CABLE AUTOMATION WITH ETHERNET

EtherCAT P integrates the EtherCAT Ethernet protocol and peripheral voltage in a standard, four-wire Ethernet cable. Its space-saving One Cable Automation technology integrates 24 V DC supply of EtherCAT P slaves with signals and data from sensors and actuators. It also electrically isolates US (system and sensor supply) and UP (peripheral voltage for actuators) from each other, so each gets up to 3 A current. EtherCat P covers applications from 24 V I/O level to drives with 400 V AC or 600 V DC and currents up to 64 A.



BECKHOFF AUTOMATION

877-TwinCAT (894-6228); www.beckhoffautomation.com

HIGH-DENSITY, PUSH-IN CONNECTOR

Dinkle O225 plug/socket high-density connectors (up to 40 channels) use a push-connection with a double-sided, s-cage, push-in design (PID) engineered with patented, high-tensile spring technology to assure vibration resistance, and reportedly save up to 80% on labor. Dinkle O225 has a 3.50/5.08-mm pitch, and its sockets are fitted with 2.6-mm wide flat pins to improve socket security on PCB, and enhance communication/power conductivity. It also has an optional, built-in LED indicator.

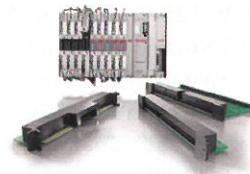


DINKLE

www.dinkle.com

MIGRATION? LEAVE EXISTING WIRE IN PLACE

Universal conversion/migration platform for updating legacy DCS systems to any new control system permits existing field wiring to remain undisturbed on the front panel adaptor, eliminating the need to wire-trace or ring-out. This reduces DCS conversion time from weeks to just hours. It includes five versions of a card adaptor, 12-, 22-, 24-, 34- and 38-points, with an engineered connecting cable of either flying leads or pre-wired field connectors. All components are plug-and-play with keyed connectors.

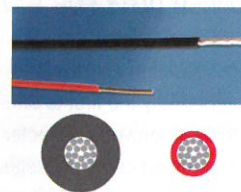


WEIDMULLER

800-849-9343; www.weidmuller.com

INSULATED, HIGH-TEMPERATURE WIRE

Alpha Wire ThermoThin hook-up wire consists of a high-temperature wire that saves space and weight. It has an insulation thickness of 0.004 in. to 0.006 in., while maintaining a temperature range of -150 °C to 300 °C. ThermoThin is reported to be exceptionally small and lightweight, and has excellent UV, chemical and water resistance, making it suitable for a broad range of applications in the oil and gas, energy generation and production, military, aerospace and semiconductor sectors.

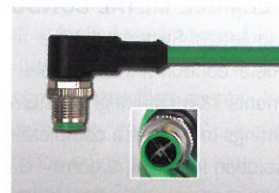


NEWARK ELEMENT 14

www.newark.com/search?st=thermothin

90° M12s FOR ETHERNET

X-coded 90° M12 Ethernet cordsets provide error-free, high-speed data transfer at up to 10 Gbps. A metal cross (x-shaped) in the connector safely separates its four data pairs from each other, while internal shielding protects the cable from external interference. Combining X-coded connectors with resistant PUR cables makes them suitable for industrial applications. Other features include 360° shielding end to end, soldered shield connection between cable and connector, and an IP65/67 rating.



MURRELEKTRONIK INC.

770-497-9292; www.murrinc.com