

Products: Connectors

Miniature short plugs



The 55 and SSC series short plugs from Fischer Connectors are suitable for miniature equipment. The compact construction of the short plugs is said to allow a significant gain in space and weight, while still offering a high-density pin configuration (up to 9 pins in a 9 mm diameter package). The SS and SSC connector bodies withstand temperatures from -55° to 135°C, are available in IP68 sealed versions and guarantee a 360° EMC shielding. The SS version uses the Fischer Connectors automatic locking system, while the SSC is a

Clic-Loc emergency breakaway version, designed for quick release through a sharp tug.

fischerconnectors.com

Info Card 345

Wire-to-board connectors



The GH series wire-to-board connector introduced by JST Corp. is designed for plasma display panels, LCD monitors, notebook PCs, PDAs, cellular phones and other small electronic equipment. The 1.25 mm pitch, top and side entry, SMT connectors are polarized and have a positive locking feature when mating to head-

ers including an audible click/tactile feedback when mated. The GH disconnectable, crimp style connector series is available in 2 through 15 circuits rated 1.0 A ac/dc (AWG #26) at 50 V ac/dc. Wire sizes AWG #30 to #26 are accommodated. Insulation OD is 0.8 to 1.0 mm. Temperature range is -25° to 85°C.

jst.com

Info Card 349

Modular PC terminal blocks



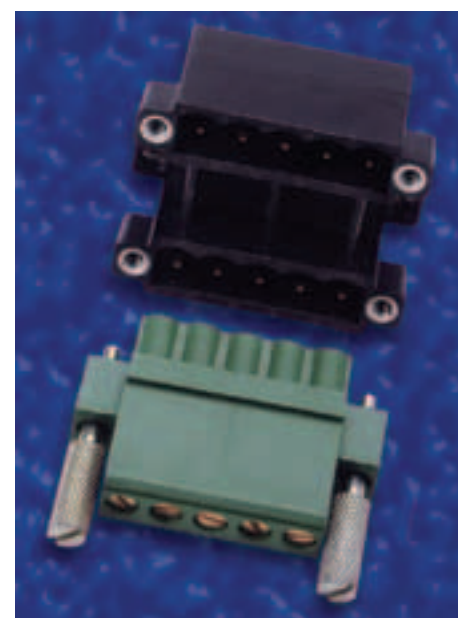
Modular terminal blocks from Keystone Electronics Corp. for 2- (Part #8728) and 3- (Part #8729) wire insertion are designed

to meet PCB test set and quick-connect requirements. The screwless, push-button devices are said to assure positive, horizontal entry of solid or stranded #20-18 AWG wire and feature stainless steel integrated springs. Interlocking to a maximum of 24 units, the modular blocks mount into pre-drilled or stamped holes and provide brass, tin-plated terminations with stainless steel contacts. Housings are made of Nylon 616, UL rated 94V-0. Electrical specifications include: current ratings to 10 A; dielectric strength of 2500 V; and operating temperatures of -30° to 120°C.

keyelco.com

Info Card 348

PCB terminal blocks



The Magnum Euro-Mag line of standard European style PCB terminal blocks and plugs is available in six different styles to simplify wiring. The terminal blocks from Cooper Bussmann can handle power up to 600 V and 115 A on the circuit board. Six styles cover many applications from straight-to-board, and plug and header. Terminal options make connections easy; choose from screw, screwless and insulation displacement connectors (IDC). Two- and three-tier versions are designed to save PCB space. Mold-to-length designs deliver the exact number of poles and modular (stackable) designs ease inventory needs. Wire entry orientations solve wire routing issues (horizontal, vertical, 30°, 35°, 45° and 60°. Centre spacings range from 2.54 to 15.00 mm, and custom configurations meet customer-specific industry standard requirements.

magnumtb.com

Info Card 350

Power connector series



Amphenol Industrial Operations has announced the Amphe-Power connector series, three lines of connectors featuring RADSOK technology, a terminal that features a stamped hyperbolic grid said to provide low insertion force, high amperage, high reliability, and a longer cycle life. The series, which can handle up to 50% higher amperages than MS-Standard

The Quantum Leap... ...in wiring technology



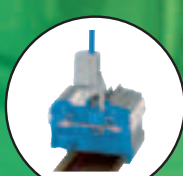
CAGE CLAMP®S



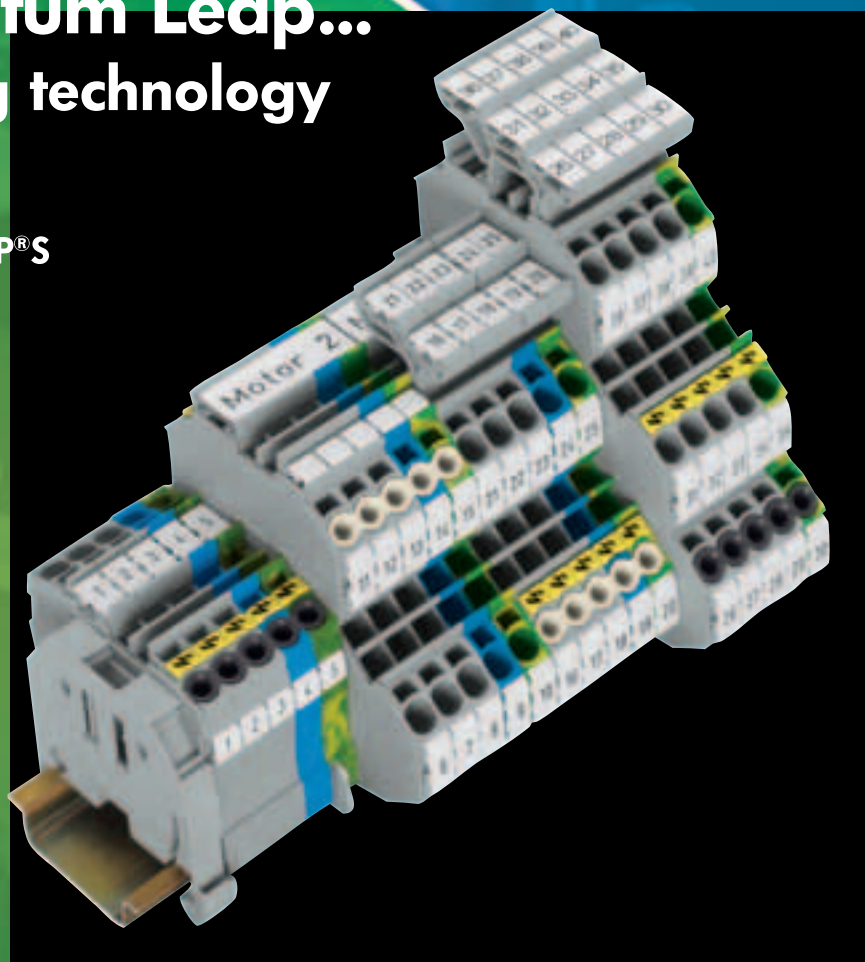
Jumper System



Marking System



Test Plug



By combining the universal benefits of the original CAGE CLAMP®, with the advantages of a Push-Wire connection, WAGO has made a Quantum Leap in wiring technology: TOPJOB®S DIN rail mounted terminal blocks with new CAGE CLAMP®S technology. Make the Quantum Leap and reap the benefits of new wiring technology.

- Reduced wiring time by up to 75% with direct push-in solid or ferruled stranded conductors - screwdriver actuation for all conductor types.
- Built-in reliability with maintenance-free, corrosion-resistant, vibration-proof, and thermal cycling resistant spring pressure connection technology.
- Reduce panel space by up to 30% with the industry's smallest DIN 35 footprint.
- Flexible jumper system with dual, spring-loaded jumper slots and comb-style jumpers.
- Reduced marking cost with a unique, continuous reel, polyvinyl marker strip.

For a free sample, brochure and design tool, contact WAGO today at 1-800 DIN Rail (346-7245) or info.us@wago.com
www.wago.us

WAGO
INNOVATIVE CONNECTIONS

products, currently supports from 50 A to over 1000 A of continuous duty. A wide range of shell styles and layouts enhanced with the RADSOK high amperage contacts are available.

amphenol-industrial.com

Info Card 351

Crimp flag terminal



The low-profile "F" crimp flag disconnect terminal from ETCO Inc. features a fully insulated closed back and is made from UL 94V-0 rated fire retardant Nylon. Providing an F crimp that is said to be superior to a crushed barrel crimp and has no bent back strands, this low-profile flag disconnect eliminates the need for heat shrinkable tubing and protects the human hand. Incorporating an open barrel ear section that allows the wire to be crimped faster and easier, the terminal is designed to accept #18 to #14 AWG wire and mate with 0.187 to 0.250 in. male tabs. It measures 1.00 x 0.48 x 0.35 in. and is 150°C rated.

etco.com

Info Card 352

DeviceNet plug connectors



A plug connector from Phoenix Contact's Variosub range is available for DeviceNet applications in harsh environments. Protection category IP67 rated, the Variosub fieldbus plug connectors offer push-pull locking between the mounting and housing to facilitate easy operation. Integrated EMC contacting provides protection from electromagnetic interference. Two integrated cable glands are also said to make it easy to implement line structures using incoming and outgoing lines in thick and thin formats. With an easy-to-wire screw connection, the connection is also said to be quick to hook up under field conditions. Units feature a Combicon contact insert with 30 µin. gold-plate in accordance with ODVA fieldbus organization guidelines. A switch allows switching in the terminating resistor or subsequent fieldbus line. In addition, pluggable coding profiles prevent improper connections and labeling plates facilitate identification in the installation unit.

phoenixcontact.ca

Info Card 402

RF connector series



W. L. Gore & Associates, Inc. has announced the GORE 100 series connectors, part of its blindmate/push-on connector line. The connectors provide a microwave interconnect system offering performance through 100 GHz. The blindmate interfaces are said to be robust, durable and lightweight. A socket-to-socket bullet weighs less than 0.02 g. The connectors accommodate both radial and axial misalignment with negligible VSWR change.

gore.com/electronics

Info Card 353

Ensure Safety While Increasing Productivity with Sitema Safety Catchers

Press Safety



- Safety Catchers are used where personal protection and accident prevention must be provided — such as when hydraulic or pneumatic pressure system fails, or if a rope, chain, belt, or toothed drive breaks.

- The SITEMA Safety Catcher will prevent the load from falling anywhere along the stroke.

- Functions directly on the cylinder rod or on a separate holding shaft

ISO-9001:2000
REGISTERED



Visit us at Booth E2461
September 6-13, 2006
McCormick Place
Chicago, IL

ADVANCED
MACHINE & ENGINEERING CO.

www.ame.com 800-225-4263

Info Card 65



The Only Tools You'll Need To Power Up.

A Complete, Modular Power System Without Hard-Wiring

With BradPower™ modular power systems, there's no need to hard-wire your machinery. You'll power up without bending conduit, without pulling wires and without using special tools. Our NFPA-79-compliant cordsets and connectors are all you need.

BradPower components are both flexible and scalable, so they're easy to install, move, repair and maintain. What's more, electrical installation and commissioning times can be reduced by as much as 90%!

BradPower...power without the pipe – available only from Woodhead Industries.



BradPower™

from Woodhead Industries

905.624.6518 • woodhead.com/power

©2006 Woodhead Industries

Info Card 66