LDA

Solutions for Life

Connectivity

Solutions for Life

MCCR - Multiple Control Distribution

The Canfield Connector MCCR is a cable distribution connector which uses pass-through technology to allow control of multiple parallel or independent devices. Devised with double solenoids and solenoid valve manifolds in mind, the MCCR allows for simplified wiring and easy replacement of components in an automated, modular environment.
The gasket-thin head fits between a single female connector and the associated male device with the DIN 43650 Form "A", EN175301-803:2006 interface. Exiting from the MCCR head is a three conductor cable with ISO HT PG9 strain relief connector attached.
Two available circuits allow for separate (independent) or parallel (simultaneous) control of the downstream device. The environment resistant quick connect style allows for plug and play designs in the factory that require modern hydraulic or pneumatic systems.

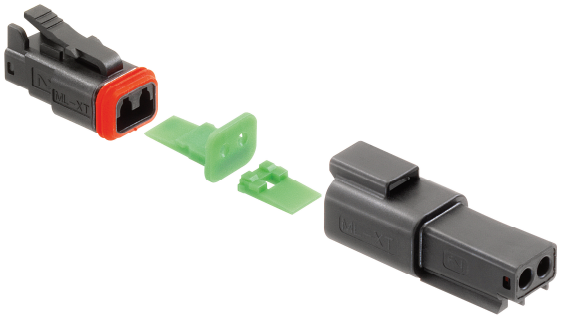
mPm DIN Valve Connectors

External-thread DIN Valve Connectors, with unsurpassed IP67 sealing properties and superior cable retention, increase performance, simplify manufacturing processes, reduce inventory and lower applied costs for hydraulic, pneumatic and electromagnetic devices

ML-XT™ Sealed Connection System

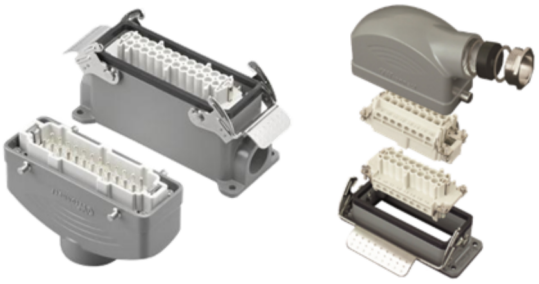
The rugged ML-XT™ connection system with market-leading high-performance seal technology is a cost-competitive solution offering superior reliability for critical vehicle-wiring applications in harsh environments.

The ML-XT™ system meets a highly reliable, securely sealed connection system to minimize electrical failures with high-performing seal technology proven to prevent ingress of fluids under extreme conditions. Advanced two-shot LSR molded one-piece plug, and rear HCR seals with cover guards guarantee optimum seal positioning at all times, including during mating and unmating of the header and receptacle.



GWconnect® Heavy Duty Connectors (HDC)

These connectors provide extensive industrial inserts, enclosures and more than 6,000 complementary products including: alternate or direct-current connectors for heavy-duty industrial applications; multi-pole connectors for use in electronic machinery, robots, electric panels, control equipment, power and control- or signal-circuit connectivity; enclosures for standard, harsh and EMC environments. All products are designed with top-quality materials and conform to international standards and UL/CSA requirement



Brad® Ultra-Lock® Connection

The Fastest, Easiest, Most Secure Connection
Ultra-Lock® connectors incorporate a mechanical locking design and a unique radial-seal that deliver unsurpassed performance.
The patented push-to-lock technology provides a simple and secure operator-independent connection.
This positive locking design provides built-in reliability that eliminates connector related intermittent signals in the harshest environments. Fewer intermittent signals mean less downtime and better productivity.
While the unique radial o-ring seal design, similar to what is found in hydraulic connectors, provides a more robust protection against water ingress even in high-pressure washdown environments.

Brad® Passive Signal MPIS Boxes

Rugged, sealed M8 and M12 Passive Signal MPIS Boxes, featuring high-performance WSOR cable, achieve quick, easy and reliable connections of high-density industrial signal IOs and simplify wiring in harsh factory-automation environments
Pre-wired IP67-sealed compact ruggedized MPIS boxes can meet requirements of the most challenging installation environment; enabling fast, flexible and highly-reliable, cross-field signal connections to controllers.
Because the MPIS boxes streamline wiring, maintenance is simplified and plant downtime minimized.

Brad® passive IO module

IP67 rated passive IO module for harsh environments are designed to concentrate the sensor/actuator signals into one unique home run cable for a better mechanical infrastructure wiring on the machine.
Ultra-Lock® connectors
incorporate a mechanical locking design and a unique radial-seal that deliver unsurpassed performance.
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Brad® Nano-Change® (M8) compact Junction Boxes

The molded junction boxes feature a compact, space-saving design that allows simplification of control wiring systems, providing the opportunity for machine builders to design more modular devices. The Nano-Change cable system provides a way to reduce cable bundling expenses by reducing field install cabinets and field wire terminations.

Micro-Change® M12 connectors

Brad Micro-Change products are Molex's offering of rugged, high-circuit density, industry-standard M12 circular connectors for industrial automation applications.

Micro-Change connectors are designed to withstand harsh industrial environments and their superior quality assures a very reliable connection for control elements in automated equipment. These IEC 61076-2-101-compliant connectors allow fast and simple connections to 12.00 and 18.00mm sensors, encoders, switches and other input and output devices in industrial machinery.

Brad® Ultra-Lock® M12 Connection

Ultra-Lock® connectors incorporate a mechanical locking design and a unique radial-seal that deliver unsurpassed performance.

The patented push-to-lock technology provides a simple and secure operator-independent connection.
This positive locking design provides built-in reliability that eliminates connector related intermittent signals in the harshest environments. Fewer intermittent signals mean less downtime and better productivity.

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Brad® Nano-Change® (M8) compact connectors and cordsets

Nano-Change connectors are built "industrial tough" to ensure flexibility, interoperability and rugged performance in tight spaces while minimizing downtime, maintenance and wiring time.
Molex Nano-Change offerings include 3-, 4- and 5-pin designs. The cordsets are available with threaded and snap coupling options. A wide array of cable types pro-vides flexibility to accommodate multiple applications.
The molded junction boxes feature a compact, space-saving design that allows simplification of control wiring systems, providing the opportunity for machine builders to design more modular devices. The Nano-Change cable system provides a way to reduce cable bundling expenses by reducing field install cabinets and field wire terminations.

Brad® Micro-Change M12 CHT connector

The IP67-sealed M12 Circular Hybrid Technology (CHT) connector, with innovative wrap-around shielding, combines Cat5e data speed with power lines for excellent signal integrity and optimal performance and reduces cabling requirements and installation costs in harsh industrial applications

Based on the Brad® circular M12 threaded coupling design, the innovative Micro-Change® Circular Hybrid Technology (CHT) connector combines Cat5e data traffic with power lines in a small build size. The fully shielded 4-pin array (2 shielded pairs) is enclosed by a wrap-around metal tube shield (patent pending) which allows for optimum signal integrity and performance.
The two overlapping metal tubes channel the signal through the connector without disturbance of cross-talk and EMI (electro-magnetic interference).

Brad® M12 CAT6A connector

The Brad® Micro-Change® M12 CAT6A connector system with its innovative cross shielding (X-code conforming to IEC 61076-2-109) for superior signal integrity is the next development in terms of speed in the M12 form factor.

Conventional M12 connectors support Cat5e Ethernet up to 10/100 megabits per second vs. the Micro-Change M12 CAT6A system which achieves up to 10 Gigabits per second (Gbps) Ethernet.

Brad® M23 connectors and receptacles

These new M23 Signal connectors are designed for power applications and receptacles for signal.
It has the capability to meet stringent requirements for reliability and outstanding performance in the harshest of industrial areas. It includes such as field attachable male and female cable connectors and receptacles from 6-pole to 19-pole in straight and right-angled versions.
These amazing connectors provide high flexibility in front and back mounting applications. It applies the same modular design as the signal connectors, both pole counts can be used in straight and right-angled versions that are easy to assemble and disassemble with no special tools required.

Brad M12 Power Connector System

Delivering exponentially more power than standard M12 connectors, the IP67-rated Brad M12 Power Connector System provides multiple codings for electrical requirements and ease-of-use in factory automation applications

M12 Circular Hybrid Technology (CHT) connector

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M12 CAT6A Connector System

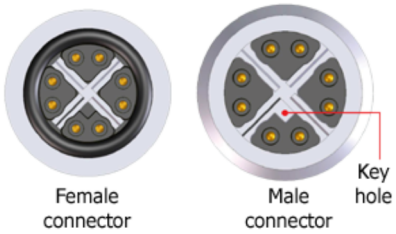
Rugged, sealed M12 CAT6A Connector System with innovative x-code cross -shielding achieves superior signal integrity and up to 10 Gbps Ethernet for vision systems and other high-speed data transfer applications in harsh environments

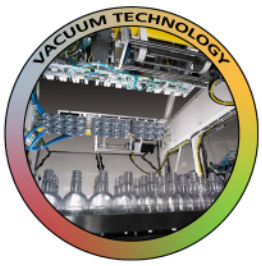
The Brad® Micro-Change® M12 CAT6A connector system with its innovative cross shielding (X-code conforming to IEC 61076-2-109) for superior signal integrity is the next development in terms of speed in the M12 form factor.

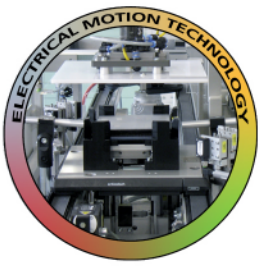
Conventional M12 connectors support Cat5e Ethernet up to 10/100 megabits per second vs. the Micro-Change M12 CAT6A system which achieves up to 10 Gigabits per second (Gbps) Ethernet.

The rugged M12 CAT6A system is ideal for vision systems and other high-speed data transfer applications in harsh environments that may be subject to vibration. Sealed CAT6A RJ45 connectors that are twice the size of the M12 form factor can be replaced by the Micro-Change CAT6A system, enabling the use of smaller enclosures.

Product family extensions already in development include an M12 to RJ45 CAT6A bulkhead panel-mount adapter and M12 to RJ45 CAT6A molded male cable assemblies. Planned future product extensions to this system will use the M12 Ultra-Lock® connection system with a push/pull locking mechanism rated to IP69K.







We look forward to your application.

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