

## Molex Industrial Automation Products

### Power Components



#### GWconnect Heavy Duty Connectors (HDC)

**Heavy-duty enclosures in die-cast aluminum alloy or self-extinguishing thermoplastic**  
 High resistance to impact, mechanical stress and external agents  
**Inserts with asymmetric guide rails**  
 Prevents incorrect coupling  
**Riveted Stainless steel pegs on hoods, housings and covers**  
 Avoid corrosion, breaking and loss of IP protection  
**Spring-loaded lockable metal covers**  
 Assured coupling stability and protection against accidental opening  
**Anti-aging, oil-resistant and fuel resistant seal gaskets**  
 Proven IP66 degree of protection for coupled connectors  
**Wide range of cable glands and accessories**  
 Provides better performances, easy assembly and cost reduction

#### Brad Power Cordsets and Receptacles

**Available in 3-pole and 4-pole configurations**  
 Supports single and 3-phase applications  
**Modular components**  
 Fast, easy installation  
 Lower operation and maintenance costs  
**Requires no tools, no pipe bending, no wire pulling, no conduit or raceways**  
 Increased plant flexibility and speed of reconfiguration for maximum production uptime  
**UL 2237 listed**  
 Approved for motor branch circuit  
**Standard and alternative keying**  
 Eliminates the potential for wiring errors  
**IP67, IP68 and IP69k rated**  
 Prevents water ingress during high-pressure wash down



#### Brad M12 Power Connector System

##### Features

- NEMA Rating: IP67
- Current: 16.0A
- Voltage: 300V

#### Brad Quick-Change Connectors

##### Features

- Up to 30.0A / 600V rated
- 2 through 4-pole available
- UL Recognized

#### Brad M23 Signal and Power Connectors

##### Features

- Current: 28.0A
- Flexible EMC-O ring
- Poles: 5+PE and 4+3+PE versions

# Molex Industrial Automation Products

## Connectivity Components



### Brad Ultra-Lock Connection System

#### Features

- Locking Style: Positive locking, push-to-lock connection system
- Fast, secure, reliable connection system
- NEMA Rating: IP67, IP69K

### Brad MX-PTL M12 Cordsets

#### Features

- Locking Style: Push-to-Lock
- NEMA Rating: IP67, IP68 (when fully rotated)
- Industry Standards: Built to IEC

### Brad Micro-Change (M12) Connectors

#### Features

- Locking Style: M12 threaded connection system for sensor/actuators
- NEMA Rating: IP67, IP69K
- Built to IEC industry standard



### Brad Mini-Change Connectors

#### Features

- Patented, Quad Beam socket
- Poles: 2 - 19
- NEMA Rating: IP67

### Brad Nano-Change (M8) Products

#### Features

- Connection Type: M8 threaded connection system for sensor/actuators
- Industry Standards: Built to IEC industry standard
- IP67

### IP67-Rated HarshIO Modules

#### Features

- Connect industrial controllers to sensors/actuators
- IP67-rated housings for harsh duty environments
- Direct machine-mountable



### mPm DIN Valve Connectors

#### Features

- Connection Type: External thread, field attachable
- NEMA Rating: IP67
- Industry Standards: Conforms to EN175301-803 (DIN 43650)

### Brad Micro-Change M12 Circular Hybrid Technology (CHT) Connector and Cordsets

#### Features

- Combining Cat 5e Data Speed with Power up to 10.0A in one connector interface
- 6- and 8-pole version available
- NEMA Rating: IP67

### Brad Ultra-Lock (M12) EX Connection System for Zone 2 Hazardous Locations

#### Features

- Secured Push-to-lock, tool-to-disconnect connector design
- FM approved for used in Class1 Div2/Zone2 hazardous areas
- Cost effective connector for Transmitters and other field instrumentation