BRAD HARRISON® BULKHEAD RECEPTACLES



INDUSTRY:

- Automotive
- •Food Processing
- Manufacturing

APPLICATIONS:

- Automated Assembly
- Packaging Equipment
- Conveyor/Material Handling

BENEFITS:

- •Complete Connection Flexibility
- Convenient Modular Assembly
- •IP68 Rated for Moisture Seal

The Bulkhead Connector offers the convenience of Quick-Disconnect on both sides of a fixed wall, panel or bulkhead.

Available in both Mini-Change® and Micro-Change® configurations,

Brad Harrison® Bulkhead Connectors are compatible with other

Brad Harrison® connectors in 5- pin configurations.

Virtually any time the path of flexible cords and cables comes to a wall, bulkhead connectors provide an NEC compliant connection path through the fixed surface. Their moisture seal gasket makes them ideal for bringing the network trunk cable into an enclosure located in a wet environment.

Brad Harrison® Bulkhead Connectors feature nickel-plated brass components for enhanced corrosion protection. An anti-rotation design keeps the unit fixed in place during the attachment of mating cables. Bulkhead Connectors are also available for use on DeviceNet® applications.









TECHNICAL SPECIFICATIONS

MECHANICAL

Insert Material: PBT (Mini-Change®) Nylon (Micro-Change®)

Shell Material: Bright Nickel over Brass

Contact Material: Copper Alloy

Contact Plating: Gold - 5µin (min.), over Palladium-Nickel - 20µin (min.) over Nickel - 60-100µin (Max)

Gasket Material: Neoprene

Thrust Washer

Material (Mini): Nylon

Lock Washer

Material (Micro): Steel Alloy Locknut Material: Brass Alloy NEC Reference 400.8. "Unless specifically permitted in Section 400-7, flexible cords and cables shall not be used for the following:...
(2) where run through holes in walls, structural ceilings, suspended

ceilings or floors..."

ELECTRICAL

Voltage: 600V (Mini), 300V (Micro) Amperage: 8A (Mini), 4A (Micro)

Contact Resistance: $\leq 5m\Omega$, (After 500 mate/unmate cycles - per MIL-STD 1344, 3004, 1)

Isolation Resistance: $\geq 1000 \text{mM}\Omega$

ENVIRONMENTAL

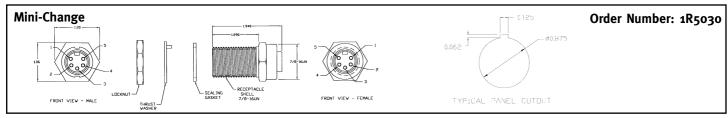
Protection: IP67 (When used for entrance in an enclosure with female connector mounted facing outward).

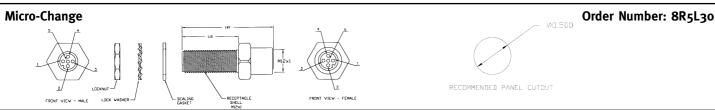
Ambient Operating

Temperature: (-20°C) to (60°C)

CERTIFICATIONS: Spacings to VDE 0110 Group C (250VAC/300VAC)

Drawings





United States

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Woodhead Connectivity

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THE GLOBAL LEADER IN INDUSTRIAL COMMUNICATIONS AND CONNECTIVITY

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