

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.



BRAD HARRISON

from Woodhead Connective

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:	≤5mΩ, (After 500 mate/unmate cycles - per MIL-STD 1344, 3004, 1)
Isolation Resistance:	≥1000MΩ

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

Mini-Change **Order Number: 1R5030**

Technical drawings for Mini-Change connector. Includes front views of male and female connectors, locknut, thrust washer, sealing gasket, and receptacle shell. Dimensions include 1.200, 1.290, 1.940, 7/8-16UN, 0.125, 0.062, and Ø0.875. A typical panel cutout diagram is also shown.

Micro-Change **Order Number: 8R5L30**

Technical drawings for Micro-Change connector. Includes front views of male and female connectors, lock washer, sealing gasket, and receptacle shell. Dimensions include 1.187, 1.10, and M12x1. A recommended panel cutout diagram is also shown with a diameter of Ø0.500.

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