ARKTITE® HEAVY DUTY INTERLOCK RECEPTACLE WBR SERIES, MODEL M4

IF 1404

Installation & Maintenance Information

COOPER Crouse-Hinds

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

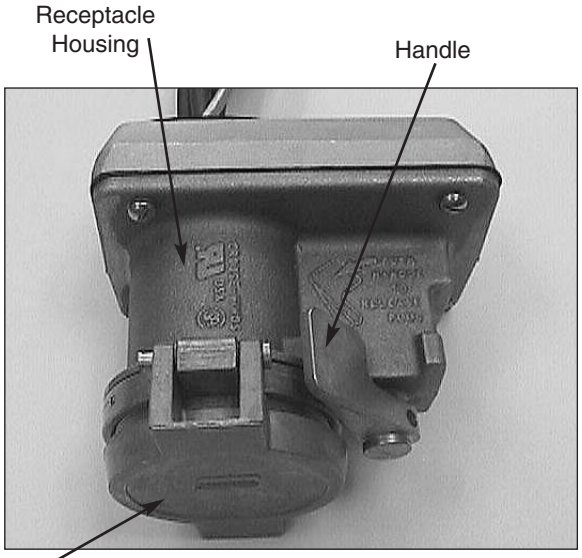
AMPS	DESCRIPTION	NEMA 3R CATALOG #	NEMA 4X EPOXY COATED CATALOG #
30A	3W4P, Aluminum, 600VAC	WBR3442	WBR3442 S752
60A	3W4P, Aluminum, 600VAC	WBR6442	WBR6442 S752
100A	3W4P, Aluminum, 600VAC	WBR10442	WBR10442 S752

APPLICATION

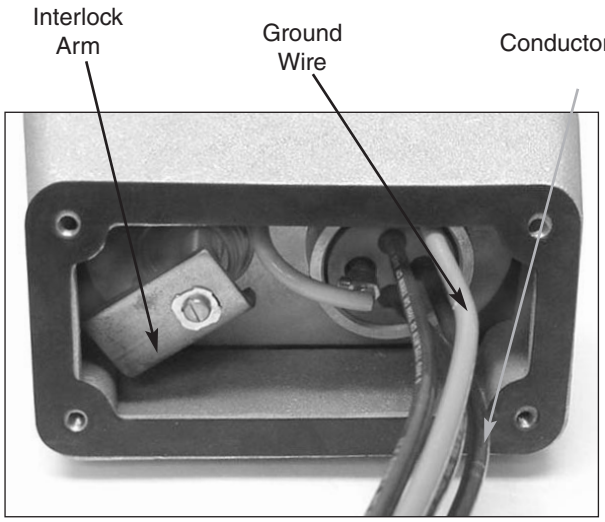
WBR Series interlock receptacles are designed to mount to an enclosure and interface with a safety switch or breaker that is installed inside the enclosure. The WBR Interlock Receptacle interfaces with the switch or breaker mechanism to prevent plug insertion or withdrawal under load. The WBR Receptacle provides connection and distribution of secondary electrical power (600V or less) between a power source and portable or stationary electrical equipment.

DESCRIPTION

The WBR is shipped ready to install, including mounting hardware. The WBR6442 is shown below (Figure 1) with spring door. The WBR6442 S752 series is epoxy coated with screw cap and bead chain for NEMA 4X hose down requirements.



Front View



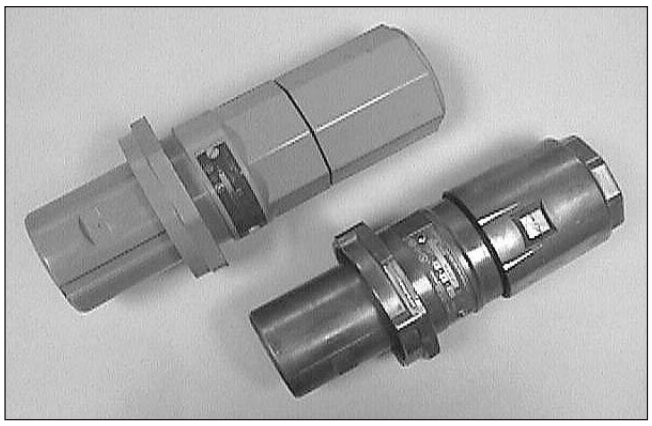
Rear View

Figure 1

MATING PLUG:

The WBR accepts standard Crouse-Hinds® Arktite Heavy Duty plugs:

AMPS	DESCRIPTION	CATALOG #
30	3W4P, Aluminum 3W4P, Krydon	APJ3485 NPJ3485
60	3W4P, Aluminum 3W4P, Krydon	APJ6485 NPJ6485
100	3W4P, Aluminum 3W4P, Krydon	APJ10487 NPJ10487



⚠ CAUTION

The WBR Series Receptacle should be installed, inspected, operated and maintained by qualified and competent personnel.

⚠ WARNING

Electrical power must be turned **OFF** before and during installation and maintenance.

INSTALLATION

The WBR is designed to mount to the bottom of a sheet metal, stainless steel or cast enclosure.

1. Attach WBR to enclosure using four (4) mounting screws provided.
2. Check alignment of interlock rod and receptacle interlock arm. Interlock rod end should be flush to flat surface of receptacle interlock arm, preventing movement of enclosure main switch handle.
3. Attach green ground wire to ground lug inside enclosure (Figure 2).

⚠ WARNING

Before assembling a WBR Series Receptacle, a wiring pattern must be established for your system. Locations having different voltages, frequencies or types of current (AC or DC) MUST NOT have interchangeable attachment plugs per section 210-7F of National Electrical Code and/or per Rule 26-700 (4) of Canadian Electrical Code.* For each system the same colored wire must be put into the same numbered contact on all plugs and receptacles in that system. This will assure correct system polarity and eliminate the possibility of equipment damage and/or personal injury due to misphasing or shorts.

Figure 2

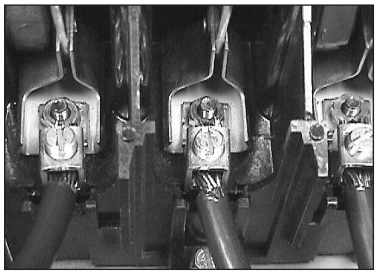


Figure 3

4. Attach black conductors to switch, fuse block or breaker inside enclosure (Figure 3). Tighten terminal lugs to manufacturers recommended torque value.
5. Test for proper operation by inserting plug. Receptacle handle should release and cause plug to be locked in place. Main power handle can now be turned “ON”. Plug should not be able to be withdrawn.

⚠ WARNING

Receptacle handle must not be able to travel towards “release” position with main switch “on”. Risk of defeating interlock feature if receptacle handle travels too far towards “release” position.

MAINTENANCE

⚠ WARNING

Always disconnect primary power source before opening the enclosure for inspection or service.

1. Frequent inspection should be made. A schedule for maintenance checks should be determined by the environment and frequency of use. It is recommended that it should be at least once a year.
2. Perform visual, electrical and mechanical checks on all components, on a regular basis.

   Visually check for undue heating evidenced by discoloration of wires or other components, damaged or worn parts or leakage evidenced by water or corrosion in the interior.

   Electrically check to make sure that all connections are clean and tight, and that contacts in the components make or break as required.

   Mechanically check that all parts are properly assembled, and that operating mechanisms move freely.

⚠ WARNING

If any part of these plugs and/or receptacles appears to be broken or shows signs of any damage **DISCONTINUE USE IMMEDIATELY.** Replace, or properly repair, the item(s) **BEFORE** continuing service.

COOPER Crouse-Hinds

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IF1404
Revision 2
Revised 11/99
Supercedes 9/98