WOODHEAD PORTABLE LIGHTING AND ELECTRICAL PRODUCTS FROM MOLEX HELP ILLUMINATE AND POWER SHIPBUILDING AND SHIPYARD OPERATIONS

The HAZTEX Portable industrial, wet and hazardous duty lighting products can be deployed to help shipbuilding enterprises and ship maintenance organizations provide safe, well-lighted work environments.

BUSINESS CHALLENGE

Companies engaged in the building, repair and maintenance of military ships and commercial cruise line vessels can find it challenging to provide their workers with safe and comfortable working environments. Within a ship’s dark passageways and enclosed spaces, workers need to temporarily illuminate work areas and provide portable electric power so they can perform their jobs efficiently, while minimizing the risk of accidents or injuries.

Molex has been serving the shipbuilding and maintenance industry for decades, providing innovative Woodhead temporary lighting and accessories that are third party rated to withstand harsh, often wet, and sometimes hazardous worksite conditions.

SOLUTION

Woodhead Portable Lighting and Electrical Devices. Woodhead portable lighting products typically used in the marine construction and maintenance industry include:

Hazardous Duty Temporary Stringlights, available in incandescent and fluorescent versions, are used to illuminate dark work areas, such as ship hulls, cargo holds and other remote compartments, as well as constrained work spaces where noxious fumes may be present.

These are the only portable stringlights to be third-party certified by CSA as a complete assembly for use in hazardous locations. The assembly includes a 25’ lead, 600V rated SOW cord, molded “T” drops spaced at 10’ intervals, and choice of Woodhead hazardous duty hand lamps. Customized lengths and spacing of drops can also be specified.

Low Voltage Portable Hand Lamps, Spotlights and Floodlights offer specifiers a wide selection of low voltage lighting options that meet and exceed OSHA requirements for use in wet locations. All feature rugged construction and heavy-duty cords for reliable performance in the toughest environments. An in-line transformer steps voltage levels down to 12V for added safety in wet locations.

Industrial Duty Temporary Incandescent Stringlights on 100’ cords are designed for lighting larger work areas in non-hazardous, dry locations. Rugged rubber molded construction, crush-resistant sockets and heavy-duty lamp guards make these lights an ideal choice for illuminating dark passageways or large area work spaces. All meet OSHA 1926 requirements for protection against accident breakage and proper grounding and suspension and NEC 590.4 requirements that establish the minimum performance criteria for temporary lighting products.

Watertite Heavy-Duty Outlet Boxes feature metal-reinforced molded rubber coverplates and come in several configurations. A soft rubber molded lip forms a secure seal when used with a Watertite plug, and rubber closure caps seal individual outlets against moisture when not in use. All support NEC 314.17 and NEC 314.23 requirements that box openings be adequately closed and OSHA 1910.303 that guards against accidental contact of live equipment.

Shipyard Connector Assembly is an extremely rugged, rubber-molded 3-pin triangular pin-and-sleeve device comprised of a 30 or 60A plug and receptacle designed specifically for power distribution in naval shipyard maintenance operations.

GFCI outlet boxes fitted with the Watertite receptacles feature spring-loaded flip-lid covers with built-in lock-out/tag-out capabilities and when used with a Watertite plug, the patented triple seal offers additional protection in wet locations. The box is U.L. listed and tested and meets OSHA 1910.10, NEC 314.23 and NEC 314.17 requirements.

APPLICATION BRIEF
CUSTOMER BENEFITS

In shipbuilding and maintenance applications, portable lighting and power play a critical role in improving worker efficiency, safety, and morale. Selecting rugged, reliable products that have been specifically rated for use in these challenging environments pays dividends in higher quality work, lower replacement costs, and increased safety and productivity.

GFCI Products.

Designed for rugged service, our full line of NEC-compliant, portable GFCI products are equipped with an open-neutral relay that meets OSHA requirements to safeguard workers against ground faults. Watertite GFCI outlet boxes, made of tough, long-lasting rubber, are built for use in wet, dusty and dirty environments and assist in the reduction of “Nuisance Tripping.” All GFCI outlet boxes and receptacles support OSHA 1926.404 and OSHA 1910.304 and NEC 590.6 requirements.

To learn more about Woodhead electrical products and solutions, call your Molex representative today or call 1-800-225-7724 or visit www.molex.com/woodhead