

# Wiring Device Selection Guide, Watertite®

| Poles         | NEMA Configuration  |  | Voltage/Current        | Plug         |             | Connector    |             |
|---------------|---------------------|--|------------------------|--------------|-------------|--------------|-------------|
|               |                     |  |                        | Woodhead No. | Order No.   | Woodhead No. | Order No.   |
| 2-Pole/2-Wire | L1-15               |  | 15A/125V               | 24W04        | 130146-0077 | 25W04        | 130146-0090 |
|               | L2-20               |  | 20A/250V               | 26W07        | 130146-0108 | 27W07        | 130146-0110 |
| 2-Pole/3-Wire | 5-15                |  | 15A/125V               | 14W47        | 130143-0154 | 15W47        | 130146-0060 |
|               | L5-15               |  | 15A/125V               | 24W47        | 130146-0082 | 25W47        | 130146-0099 |
|               | 6-15                |  | 15A/250V               | 14W49        | 130146-0044 | 15W49        | 130146-0074 |
|               | L6-15               |  | 15A/250V               | 24W49        | 130146-0088 | 25W49        | 130146-0106 |
|               | 7-15                |  | 15A/277V               | 14W34        | 130146-0028 | 15W34        | 130146-0059 |
|               | L7-15               |  | 15A/277V               | 24W34        | 130146-0079 | 25W34        | 130146-0095 |
|               | 5-20                |  | 20A/125V               | 14W33        | 130146-0022 | 15W33        | 130146-0052 |
|               | L5-20               |  | 20A/125V               | 26W47        | 130147-0018 | 27W47        | 130147-0044 |
|               | 6-20                |  | 20A/250V               | 14W48        | 130146-0040 | 15W48        | 130146-0068 |
|               | L6-20               |  | 20A/250V               | 26W48        | 130147-0021 | 27W48        | 130147-0048 |
|               | L7-20               |  | 20A/277V               | 26W49        | 130147-0023 | 27W49        | 130147-0051 |
|               | L5-30               |  | 30A/125V               | 28W47        | 130147-0072 | 29W47        | 130147-0093 |
|               | L6-30               |  | 30A/250V               | 28W48        | 130147-0074 | 29W48        | 130147-0096 |
|               | L7-30               |  | 30A/277V               | 28W49        | 130147-0076 | 29W49        | 130147-0099 |
|               | Non-NEMA Locking CA |  | 50A/250V               | CS82W65      | 130155-0155 | CS82W64      | 130155-0154 |
|               | Non-NEMA Locking CA |  | 50A/480V               | CS84W65      | 130155-0167 | CS84W64      | 130155-0166 |
| 3-Pole/3-Wire | Non-NEMA            |  | 15A/125V 10A/250V      | 14W07        | 130146-0015 | 15W07        | 130146-0050 |
|               | Non-NEMA Locking    |  | 15A/125V 10A/250V      | 24W07        | 130146-0078 | 25W07        | 130146-0092 |
|               | Non-NEMA Locking    |  | 20A/125V/250V          | 26W08        | 130147-0012 | 27W08        | 130147-0035 |
|               | Non-NEMA Locking    |  | 20A/250V grounding tab | 26W08G       | 130147-0014 | 27W08G       | 130147-0036 |
|               | Non-NEMA Locking    |  | 30A/125V/250V          | 28W08        | 130147-0069 | 29W08        | 130147-0089 |
| 3-Pole/4-Wire | L14-20              |  | 20A/125V/250V          | 26W74        | 130147-0025 | 27W74        | 130147-0053 |
|               | L15-20              |  | 20A/250V/3Ø            | 26W75        | 130147-0027 | 27W75        | 130147-0056 |
|               | L16-20              |  | 20A/480V/3Ø            | 26W76        | 130147-0029 | 27W76        | 130147-0059 |
|               | L14-30              |  | 30A/125V/250V          | 28W74        | 130147-0077 | 29W74        | 130147-0102 |
|               | L15-30              |  | 30A/250V/3Ø            | 28W75        | 130147-0079 | 29W75        | 130147-0105 |
|               | L16-30              |  | 30A/480V/3Ø            | 28W76        | 130147-0081 | 29W76        | 130147-0108 |
|               | L17-30              |  | 30A/600V/3Ø            | 28W77        | 130147-0083 | 29W77        | 130147-0111 |
|               | Non-NEMA Locking CA |  | 50A/125V/250V          | CS63W65      | 130155-0142 | CS63W64      | 130155-0141 |
|               | Non-NEMA Locking    |  | 50A/125V/250V          | 63W65        | 130155-0105 | 63W64        | 130155-0104 |
|               | Non-NEMA Locking CA |  | 50A/250V/3Ø            | CS83W65      | 130155-0161 | CS83W64      | 130155-0160 |
|               | Non-NEMA Locking CA |  | 50A/480V/3Ø            | CS81W65      | 130155-0149 | CS81W64      | 130155-0148 |
| 4-Pole/4-Wire | Non-NEMA Locking    |  | 20A/120V/208V          | 26W09        | 130147-0015 | 27W09        | 130147-0038 |
|               | Non-NEMA Locking    |  | 30A/120V/208V          | 28W09        | 130147-0071 | 29W09        | 130147-0091 |
| 4-Pole/5-Wire | L21-20              |  | 20A/120V/208V/3ØY      | 26W81        | 130147-0031 | 27W81        | 130147-0062 |
|               | Non-NEMA Locking    |  | 20A/250V 10A/600V      | 26W10        | 130147-0017 | 27W10        | 130147-0041 |
|               | L22-20              |  | 20A/277V/480V/3ØY      | 26W82        | 130147-0033 | 27W82        | 130147-0065 |
|               | L23-20              |  | 20A/347V/600V/3ØY      | 26W83        | 130147-0034 | 27W83        | 130147-0067 |
|               | L21-30              |  | 30A/120V/208V/3ØY      | 28W81        | 130147-0085 | 29W81        | 130147-0116 |
|               | L22-30              |  | 30A/277V/480V/3ØY      | 28W82        | 130147-0086 | 29W82        | 130147-0118 |
|               | L23-30              |  | 30A/347V/600V/3ØY      | 28W83        | 130147-0088 | 29W83        | 130147-0120 |

# WET LOCATION



**WOODHEAD® WATERTITE® WET-LOCATION WIRING DEVICES SET THE STANDARD FOR THE ROUGHEST, WETTEST AND MOST ABRASIVE ENVIRONMENTS AND MEET NEMA TYPE 4, 4X, 6, 6P, IP65, IP66, AND IP67 STANDARDS**

Woodhead Watertite wet-location wiring devices are rated for high-pressure hose-down application up to 1,000 psi, the benchmark for the industry. The only devices made of NEOTEX® Paracril OZO rubber, yields ultimate performance within a wide temperature range, around many oils, chemicals and abrasive conditions. Additional features include: unique multiple ring seals that lock snugly protecting against moisture and contaminants; sturdy compression-type cord grips that provide high pull-out strength; and a protective-closure cap that seals the connector when it is not in use. Woodhead Watertite products are time-tested devices that professionals demand.

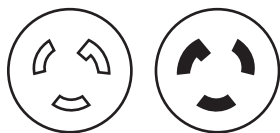
## FEATURES AND BENEFITS

|                                    |                                                                 |
|------------------------------------|-----------------------------------------------------------------|
| Rubber construction                | Provides ultimate temperature, chemical and abrasion resistance |
| Self-aligning blades               | Provide lower operating temperatures, yielding longer life      |
| Unique integral multiple ring seal | Locks out moisture and other contaminants                       |

## APPLICATIONS

- Breweries
- Dairies
- Food and beverage
- Wastewater treatment
- Water treatment

# Watertite® Wet Location Locking Blade 15A 125V 2-Pole/3-Wire NEMA L5-15



## Features and Benefits

- Multiple seal plug/connector interface keeps out contaminants; resists vapor and water from high-pressure wash down up to 1000psi
- Color-coded ¼" terminal screws preset in open position, ready to wire
- Wire screw terminals are tri-drive to be used with straight blade, Phillips and square-drive screw drivers
- Floating blade construction provides self-alignment, and a better mechanical and electrical connection minimizing wear and heat generation
- Transparent wiring guide to verify all wire strands are in place before securing wire
- Captive, tri-drive head, Stainless Steel, speed screw provides easy assembly and long life
- Three piece strain relief seals cord without damaging the cord

## Reference Information

UL File No.: Plug and Connector—E10176

Cordset—E38085

CSA File No.: LR6837

NSF File No.: NSF/ANSI/3-A 14159-1



## Physical

Cord Grip Body Size: F2 ½"

Plug Blades and Connector Contacts: Nickel-plated Brass

Outer Housing and Grommet: NEeTEX® Paracril OZO rubber

Face Screws: Stainless Steel

Face Insert: Nylon

Wire Saddle Clamp: Brass

## Environmental

NEMA Rating: NEMA 1, 3, 4, 4X, 5, 6, 6P and 12

IEC Rating: IP55, 56, 57, 65, 66, and 67

Operating Temperature: Maximum continuous 75° C, minimum -40° C (no impact)

Temperature Rise: Maximum 30° C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.



## Plug and Connector with Inline GFCI

| Description | Plug         |             | Connector    |             |
|-------------|--------------|-------------|--------------|-------------|
|             | Woodhead No. | Order No.   | Woodhead No. | Order No.   |
| Yellow      | 24W47        | 130146-0082 | 25W47        | 130146-0099 |
| Black       | 24W47BLK     | 130146-0083 | 25W47BLK     | 130146-0100 |



## Plug and Connector Ground Continuity Monitor

| Description               | Plug         |             | Connector    |             |
|---------------------------|--------------|-------------|--------------|-------------|
|                           | Woodhead No. | Order No.   | Woodhead No. | Order No.   |
| Ground continuity monitor | 24W47EZ      | 130146-0084 | 25W47GCM     | 130146-0101 |



## Cordset

| Description                | Cord Length     | Woodhead No. | Order No.   |
|----------------------------|-----------------|--------------|-------------|
| Yellow, 16-gauge SOOW cord | 7.62m (25.0')   | 24W47A163    | 130143-0189 |
|                            | 15.24m (50.0')  | 24W47B163    | 130143-0193 |
|                            | 30.48m (100.0') | 24W47D163    | 130143-0196 |
| Yellow, 14-gauge SOOW cord | 7.62m (25.0')   | 24W47A143    | 130143-0187 |
|                            | 15.24m (50.0')  | 24W47B143    | 130143-0191 |
|                            | 30.48m (100.0') | 24W47D143    | 130143-0195 |
| Yellow, 12-gauge SOOW cord | 15.24m (50.0')  | 24W47B123    | 130143-0190 |

For closure caps and additional support with strain relief grips, see accessories F2 body size

# Technical Information

## Woodhead® Wiring Devices

### Technical Reference

#### Terminal Identification

Most Woodhead plugs, connectors, and receptacles are standard NEMA configurations. As such, standard terminal identification is used to incorporate these devices in the wiring system.

| Terminal | Letter Designation | Description        | Conductor                           |
|----------|--------------------|--------------------|-------------------------------------|
| Green    | G                  | Grounding terminal | Green, Green w/Yellow Stripe        |
| White    | W                  | Grounded terminal  | White or Gray                       |
| X, Y, Z  | X, Y, Z            | Hot terminals      | Black, Red, Blue, Etc. <sup>1</sup> |

<sup>1</sup> There is no standard that matches color to letters. Once a correlation is chosen, it should be used consistently.

#### Watertite® Devices Cord Range

| Dimensional Reference Information | Cord Range              |
|-----------------------------------|-------------------------|
| F2                                | 0.2–1.6cm (.062–.625")  |
| F3                                | 0.5–2.1cm (.187–.812")  |
| F4                                | 1.1–2.8cm (.437–1.10")  |
| F5                                | 2.2–3.5cm (.875–1.375") |

#### Super-Safeway™, Safeway® Devices Cord Range

| Dimensional Reference Information | Cord Range              |
|-----------------------------------|-------------------------|
| 2                                 | 0.8–1.7cm (.300–.675")  |
| 3                                 | 0.8–2.1cm (.325–.840")  |
| 4                                 | 1.1–2.9cm (.425–1.150") |