

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 50A 250V 2-Pole/3-Wire Non-NEMA Locking/California Style



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.: E10176
CSA File No.: LR6837
NSF File No.: NSF/ANSI/3-A 14159-1



Physical

Cord Grip Body Size: F5 1¼"
Plug Blades and Connector Contacts: Nickel-plated Brass
Outer Housing and Grommet: NEoTEX® 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

Description	Plug		Connector	
	Woodhead No.	Order No.	Woodhead No.	Order No.
Yellow	CS82W65	130155-0155	CS82W64	130155-0154

For closure caps and additional support with strain relief grips, see accessories F5 body size

Watertite® Wet Location Locking Blade 50A 480V 2-Pole/3-Wire Non-NEMA Locking/California Style



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
Receptacle—E46237
CSA File No.: LR6837
NSF File No.: NSF/ANSI/3-A 14159-1



Physical

Cord Grip Body Size: F5 1¼"
Plug Blades and Connector Contacts: Nickel-plated Brass
Outer Housing and Grommet: NEoTEX® Paracril OZO rubber
Face Screws: Stainless Steel
Face Insert: Nylon
Wire Saddle Clamp: Brass
Receptacle Coverplate and Closure Caps: Lexan*

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%.

* Trademark of SABIC Innovative Plastics IPB



Plug and Connector

Description	Plug		Connector	
	Woodhead No.	Order No.	Woodhead No.	Order No.
Yellow	CS84W65	130155-0167	CS84W64	130155-0166

Receptacle



Description	Single Flip Lid Female Receptacle	
	Woodhead No.	Order No.
Yellow	67W64*	130147-0146

For closure caps and additional support with strain relief grips, see accessories F5 body size
* Not CSA certified

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. ¹

¹ 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")