SMARTPLUG

Leaders in Power Connections



MARINE

SAFE • SIMPLE • SECURE

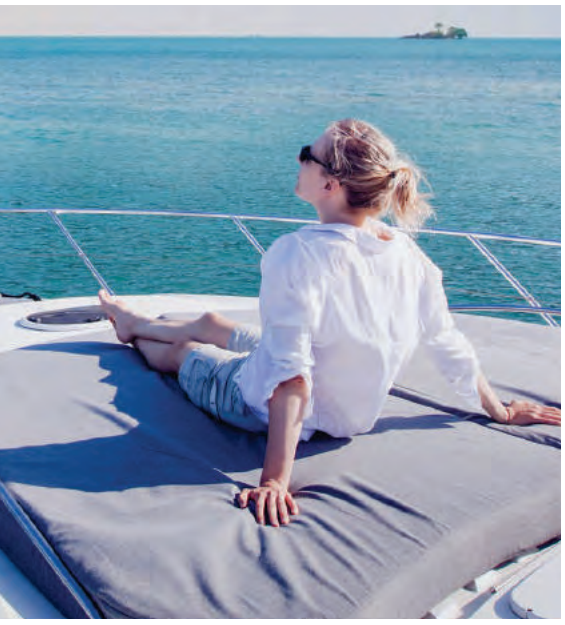
ABOUT OUR COMPANY

SmartPlug Systems is a privately held manufacturing firm specializing in power delivery systems. It was founded in 2007 and is located in Seattle, WA. Its flagship product, the SmartPlug, is a patented device positioned to replace the current power delivery system for Boats, RV's and a variety of specialty vehicles and miscellaneous industrial applications.

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OUR COMMITMENT TO OUR CUSTOMERS

SAFE
Reduces Overheating
Reduced Fire Risk
Increases Peace of Mind

SECURE
Four Locking Features
Strong, Stable Connection
Cover Engages Plug

SIMPLE
Self-Aligning
One Handed Operation
Fail Safe

OUR VISION
To improve industry safety and performance standards for recreational and commercial marine power delivery systems.

Made in the USA



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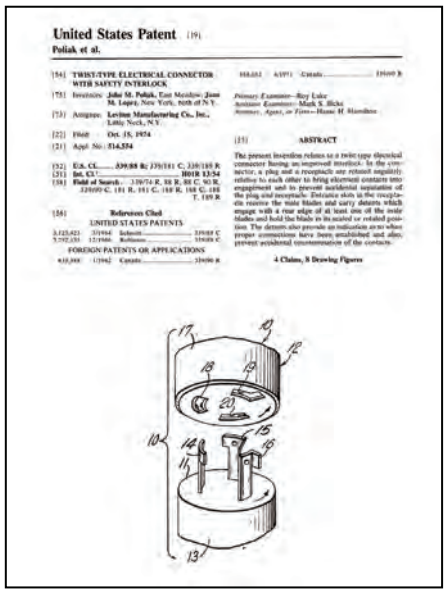
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Contrary to popular belief, the #1 cause of shore power failure and fires is not electrical shorting, but rather overheating caused by poor electrical conductivity.

DID YOU KNOW?

Shore power delivery systems have remained virtually unchanged since they first came out in 1938.


United States Patent [19]
Poliak et al.

[54] TWIST-TYPE ELECTRICAL CONNECTOR WITH SAFETY INTERLOCK

[75] Inventors: John M. Poliak, East Meadow; Juan M. Lopez, New York, both of N.Y.

[73] Assignee: Levitan Manufacturing Co., Inc., Little Neck, N.Y.

[22] Filed: Oct. 15, 1974

[21] Appl. No.: 514,574

[52] U.S. Cl. ..... 339/88 R; 339/141 C, 339/183 R

[51] Int. Cl.² H01R 13/54

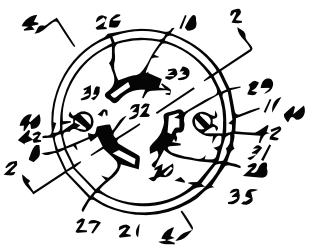
[58] Field of Search ..... 339/74 R, 88 R, 88 C, 90 R, 339/89 C, 181 R, 181 C, 183 R, 188 C, 188 T, 189 R

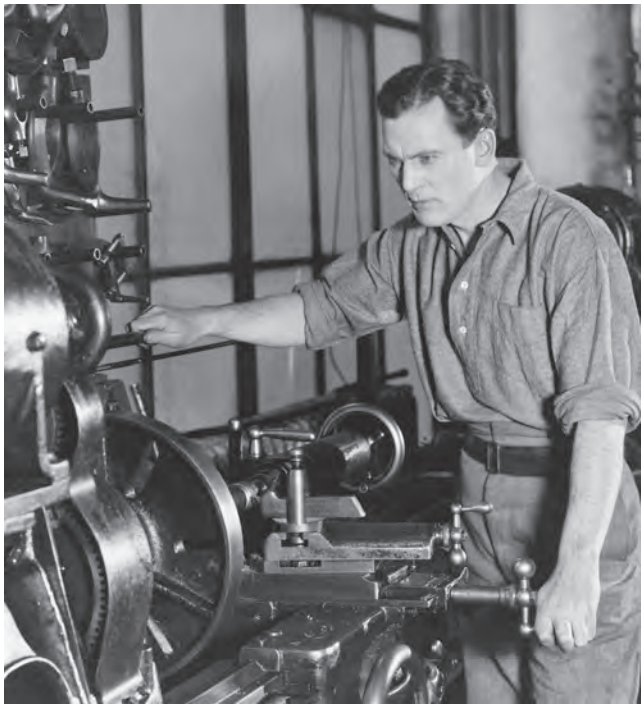
[56] References Cited
UNITED STATES PATENTS
FOREIGN PATENTS OR APPLICATIONS

[57] ABSTRACT

4 Claims, 8 Drawing Figures







THE PROBLEM WITH THE ORIGINAL SYSTEM

The shape of electrical pins allows for very little contact area, and the pins themselves are also largely responsible for bearing any physical stress placed on the cord (from constant movement of the boat, someone tripping on the cord, etc.) This results in the pins working loose, further lessening the precious little contact area they had to begin with. Furthermore, such loose connections allow for moisture intrusion and ultimately corrosion of the pins. Arcing occurs and the connection heats up, scorches, and in some cases, catches fire. Because the current draw is unchanged, all of this happens long before a breaker or a GFCI can cut the power. Additionally, the old design can be very difficult to use in low light or hard-to-reach scenarios since the "L" shaped pin must first be located and then oriented before connection.

THE PROBLEM

NOT ENOUGH METAL TO METAL CONTACT AREA





TWIST-TYPE PRODUCTS DESIGN FLAWS





- Curved Electrical Pin & Clips / Difficult to Align / Limited Contact Area
  Pin contact affected by cord weight & movement / Reduces contact area / Creates heat.
- Visible Gap Between Body of Plug & Inlet Housing
  Allows moisture intrusion which creates corrosion, arcing & heat buildup.
- Not Weather Proof - Legacy Design Does Not Include Gasket Systems
  Results in corrosion which is a major cause of overheating.

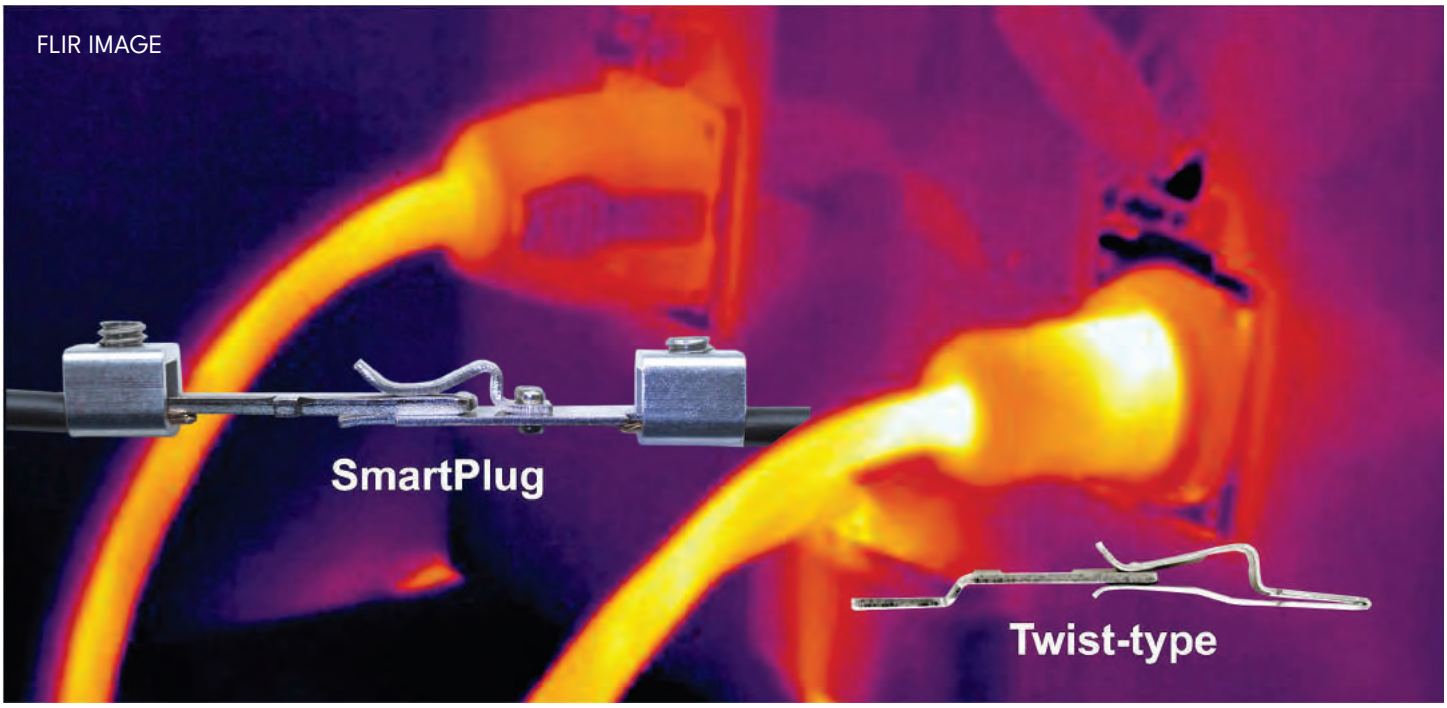


THE SOLUTION

SMARTPLUG HAS OVER 27 TIMES THE METAL TO METAL CONTACT AREA



SAFER - MORE METAL CONTACT REDUCES OVERHEATING



Cooler **Hotter**

SmartPlug 30 Amp





Over 27X The Contact Area

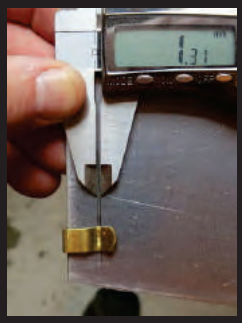
- Back of Pin = 16.4 mm x 8.5 mm = 139.4 sq mm
- Front of Pin = 6 mm x 8.5 mm = 51 sq mm

Total Contact Area = 190.4 sq mm

30 Amp Twist-type







30A Twist-type - Surface Contact Area

- Back of Pin = 1.3 mm x 2.7 mm = 3.51 sq mm
- Front of Pin = 1.3 mm x 2.4 mm = 3.12 sq mm

Total Contact Area With Dimple Locked In Place = 6.63 sq mm

TESTIMONIALS

THEY SAID IT

"We installed SmartPlug on our trawler about a year ago. We hated the original 50 amp plug - Karen was never able to wrestle it onto the boat connector and it always felt a bit unstable. The installation was simple. The whole thing took about an hour with the "help" of our two dogs.

Now after having it for a year and traveling about 6,000 miles along the Great Loop, we've used it at a hundred marinas. It has been exceptional. It's easy to use (even for Karen) and we feel safer having a much better product on-board for such a critical connection. The design is fantastic - well done, SmartPlug. You get five stars from us!"

Karen & Jefrey Siegel
MV aCappella
Developers of Active Captain

"Have had SmartPlugs on my boat for 2 years since I purchased the boat, were installed 6 years prior. They are awesome! Have heavy draws at dock, in excess of 27 amps for 30 minutes in winter, and 28 plus amps 12-20 hours a day in summer from AC units. SmartPlugs rule! Totally kill the other plugs, which I am having to replace just about every year on the other end of the cable! Just got off the phone with Terry at SmartPlug, and he was very nice and quickly shipped me out a new gasket set. Highly recommend this solution for power!"

Charles M. Green IV

"As the Technical Director at BoatUS for almost 30 years, one of my responsibilities was to read through insurance claims to find out why accidents occur on boats and how they might have been prevented."

These were reported in Seaworthy, the BoatUS marine insurance damage avoidance publication. One of the more troubling findings I encountered was the surprising number of on-board fires at a boat's AC shore power inlet. The reason for the fires was well known by fire investigators. Instead of being securely bolted like a house connection, boats have to rely on a sliding plug that, over time, tends to wear and corrode. This results in a looser connection that generates excessive heat and causes fires. The latter have destroyed hundreds of boats and even entire marinas.

While at an industry trade show I came across a common sense solution: The aptly-named SmartPlug. By locking the shore-power cord securely, SmartPlug creates a much tighter connection between the shore power cord and the boats AC inlet. It is my hope that these locking plugs will become the new standard for bringing AC electricity aboard recreational boats. It's a solution that is long overdue."

Bob Adriance
Technical Director at BoatUS Marine Insurance (retired)



4 EASY STEPS TO SAFETY

STEP 1

CUT OFF YOUR PLUG HEAD





STEP 2

STRIP AND PREPARE WIRE

STEP 3

ATTACH WIRES TO PLUG HEAD

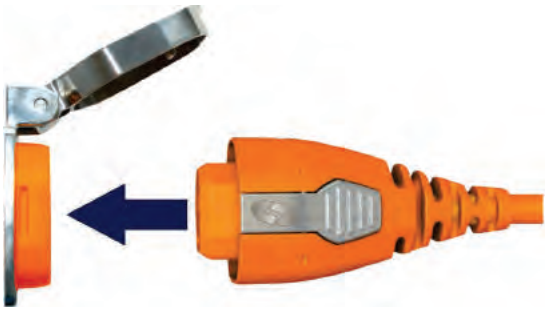


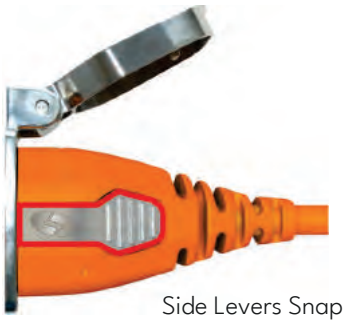


STEP 4

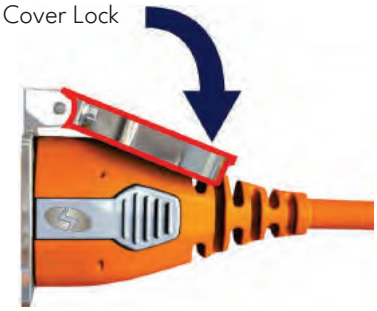
ASSEMBLE PLUG HEAD AND GASKET

NO TWISTING! SELF CLEANING PUSH-IN DESIGN





Side Levers Snap





STAINLESS STEEL INLET
316 cast stainless steel for maximum corrosion resistance.

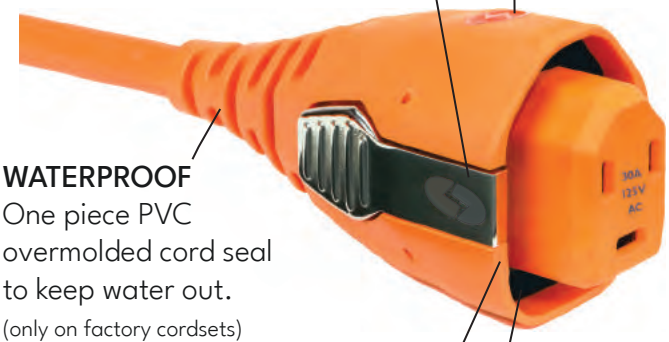


NON-METALLIC INLETS
Produced with UV resistant materials.

INLET & CONNECTOR FEATURES

LED TWO COLOR REVERSE POLARITY AND POWER LIGHTS
One red and one blue LED light for Safe/Unsafe Electrical Power Indication under Reverse Polarity Conditions.

LOCKING FEATURES
Dual 316 SS side locking levers snap into sides of inlet housing.



WATERPROOF
One piece PVC overmolded cord seal to keep water out.
(only on factory cordsets)

WEATHERPROOF
Face gasket seals.
Now IP56 rated.

INLET CASE CONSTRUCTION
316 cast stainless steel for maximum corrosion resistance. Also offered in non-metallic high strength UV resistant material.

ELECTRICAL PINS
Straight pins with 27X more surface area. No twisting required!



CONNECTOR BODY SHAPE
Sleeve design fits snugly within inlet, removing all tension from pins & clips. Easy one-handed insertion.

WEATHERPROOF
Superior gasket seals against inlet sleeve to eliminate dirt and moisture exposure on electrical pins.

EASE OF USE
Unique plug body shape only goes in the correct way. Easy to orient with no misalignment - even in the dark! Pushes straight in & locks automatically.

Made in the USA

CORDSET FEATURES

The revolutionary SmartPlug cordsets replace old, outdated twist-type shore power cords. The unique SmartPlug cables use tinned wire to minimize corrosion from the elements. Our Superflex cable combines flexibility and durability, and are easy to coil even in freezing weather.





SUPERFLEX

BEST IN THE INDUSTRY

- Corrosion Resistant
- Tinned Wire
- Heavy Duty Cable
- Stows Easily & Remains Flexible
- Coils Tightly Even In Freezing Weather



REVERSE POLARITY

Reverse Polarity occurs when unknowingly connecting a cordset to a power pedestal that has the positive and negative leads reversed internally. Reverse polarity is a safety concern and if it occurs, the pedestal connection has the potential to cause damage to the internal electrical components on your vessel. This unsafe condition exists when the power coming from the pedestal is improperly wired.

Now standard on all SmartPlug cordsets is the Reverse Polarity Indicator System. Reverse Polarity is a safety concern and can damage electrical components on a coach or trailer. On top of all SmartPlug coachside power cord connectors are two LED Indicator Lights, one blue and one red. When the SmartPlug is connected to a power source the lights will illuminate to indicate the status of a safe or unsafe condition. Our cordsets are weatherproof and easy to use, plus they ensure your family can safely enjoy their next adventure.



- Blue ON Red OFF: Normal power condition. OK TO PROCEED.
- Blue ON Red ON: L1 and neutral are swapped in a reverse polarity condition. DISCONNECT CORDSET FROM POWER SOURCE AND IMMEDIATELY CONTACT MANAGEMENT.
- Blue OFF Red ON: L1 and Ground are swapped in a DANGEROUS GROUND CONDITION. DISCONNECT CORDSET FROM POWER SOURCE AND IMMEDIATELY CONTACT MANAGEMENT.
- Blue OFF Red OFF: No power condition. CHECK CONNECTION AND POWER.

*Not available on harmonized cords

15 AMP - US

DESCRIPTION
This cord can be plugged into a standard household receptacle and be the main cord for charging electric boats. Fully tinned wires.





15 AMP CORDSET WITH REVERSE POLARITY INDICATOR LIGHT

Dual Configuration - 15 Amp / 125VAC Cordset - 15 Amp STD Male Wall Plug x 30 Amp SmartPlug Female Connector

PART NUMBER	DESCRIPTION	LENGTH	COLOR	BOATSIDE	DOCKSIDE
C15043	15 Amp / 125V Cordset - 30 Amp SmartPlug Female Connector X 15 Amp Male Wall Plug	4ft	Orange	30 Amp SmartPlug	15 Amp Wall Plug
C15253	15 Amp / 125V Cordset - 30 Amp SmartPlug Female Connector X 15 Amp Male Wall Plug	25ft	Orange	30 Amp SmartPlug	15 Amp Wall Plug
C15503	15 Amp / 125V Cordset - 30 Amp SmartPlug Female Connector X 15 Amp Male Wall Plug	50ft	Orange	30 Amp SmartPlug	15 Amp Wall Plug



30 AMP - US

30 AMP INLETS



PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BM30NT	30 Amp / 125V Male Boatside Inlet	Stainless Steel	Stainless
BM30PW	30 Amp / 125V Male Boatside Inlet	Non-metallic	White
BM30PG	30 Amp / 125V Male Boatside Inlet	Non-metallic	Gray
BM30PB	30 Amp / 125V Male Boatside Inlet	Non-metallic	Black



30 AMP CONNECTOR

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BF30	30 Amp / 125V / SmartPlug Female Cord End Connector	Non-Metallic	Orange





30 AMP COMBO KITS

		INLET	
PART NUMBER	DESCRIPTION	MATERIAL	COLOR
B30ASSYNT	30 Amp / 125V Inlet Male - Boatside Inlet and Female Cord End Connector	Stainless Steel	Stainless
B30ASSYPW	30 Amp / 125V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	White
B30ASSYPG	30 Amp / 125V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	Gray
B30ASSYPB	30 Amp / 125V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	Black



30 AMP - US

DESCRIPTION

This cord allows you to connect to a standard 30A Twist-type pedestal and a boatside SmartPlug 30A inlet.
Fully tinned wires.







30 AMP CORDSETS WITH REVERSE POLARITY INDICATOR LIGHT

Dual Configuration - 30 Amp / 125V Cordset / SmartPlug Female Boatside Connector w/ Dockside Twist-type Male Connector
Includes Storage Bag

PART NUMBER	DESCRIPTION	LENGTH	COLOR	BOATSIDE	DOCKSIDE
C30253	30 Amp / 125V Cordset - 30 Amp SmartPlug Female Boatside Connector 30 Amp / 125V - Twist-type Dockside Male Connector	25ft	Orange	30 Amp SmartPlug	30 Amp Twist-type L5-30
C30253W	30 Amp / 125V Cordset - 30 Amp SmartPlug Female Boatside Connector 30 Amp / 125V - Twist-type Dockside Male Connector	25ft	White	30 Amp SmartPlug	30 Amp Twist-type L5-30
C30503	30 Amp / 125V Cordset - 30 Amp SmartPlug Female Boatside Connector 30 Amp / 125V - Twist-type Dockside Male Connector	50ft	Orange	30 Amp SmartPlug	30 Amp Twist-type L5-30
C30503W	30 Amp / 125V Cordset - 30 Amp SmartPlug Female Boatside Connector 30 Amp / 125V - Twist-type Dockside Male Connector	50ft	White	30 Amp SmartPlug	30 Amp Twist-type L5-30





30 AMP CORDSETS & INLETS WITH REVERSE POLARITY INDICATOR LIGHT

Dual Configuration - 30 Amp / 125V Cordset - 30A SmartPlug Female Boatside Connector & 30 Amp Twist-type Male Dockside Connector & 30 Amp Male Boatside Inlet
Includes Storage Bag

		CONNECTOR				INLET	
PART NUMBER	DESCRIPTION	LENGTH	COLOR	BOATSIDE	DOCKSIDE	MATERIAL	COLOR
C30503BM30NT	30 Amp / 125V Cordset / 30 Amp SmartPlug Female Boatside Connector & 30 Amp Twist-type Male Dockside Connector & 30 Amp Stainless Steel Inlet	50ft	Orange	30A SmartPlug	30A Twist-type L5-30	Stainless Steel	Stainless
C30503BM30PW	30 Amp / 125V Cordset / 30 Amp SmartPlug Female Boatside Connector & 30 Amp Twist-type Male Dockside Connector & 30 Amp Non-Metallic Inlet	50ft	Orange	30A SmartPlug	30A Twist-type L5-30	Non-Metallic	White
C30503BM30PG	30 Amp / 125V Cordset / 30 Amp SmartPlug Female Boatside Connector & 30 Amp Twist-type Male Dockside Connector & 30 Amp Non-Metallic Inlet	50ft	Orange	30A SmartPlug	30A Twist-type L5-30	Non-Metallic	Gray
C30503BM30PB	30 Amp / 125V Cordset / 30 Amp SmartPlug Female Boatside Connector & 30 Amp Twist-type Male Dockside Connector & 30 Amp Non-Metallic Inlet	50ft	Orange	30A SmartPlug	30A Twist-type L5-30	Non-Metallic	Black

50 AMP - US



50 AMP INLETS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BM50S	50 Amp / 125V / 250V Male Boatside Inlet	Stainless Steel	Stainless
BM50PW	50 Amp / 125V / 250V Male Boatside Inlet	Non-metallic	White
BM50PG	50 Amp / 125V / 250V Male Boatside Inlet	Non-metallic	Gray
BM50PB	50 Amp / 125V / 250V Male Boatside Inlet	Non-metallic	Black



50 AMP CONNECTOR

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BF50	50 Amp / 125V / 250V / SmartPlug Female Cord End Connector	Non-Metallic	Orange





50 AMP COMBO KITS

		INLET	
PART NUMBER	DESCRIPTION	MATERIAL	COLOR
B50ASSY	50 Amp / 125V / 250V Inlet Male - Boatside Inlet and Female Cord End Connector	Stainless Steel	Stainless
B50ASSYPW	50 Amp / 125V / 250V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	White
B50ASSYPG	50 Amp / 125V / 250V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	Gray
B50ASSYPB	50 Amp / 125V / 250V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	Black





DESCRIPTION

This cord allows you to connect to a standard 50A Twist-type pedestal and a boatside SmartPlug 50A inlet.
Fully tinned wires.

SUPERFLEX

BEST IN THE INDUSTRY

- Corrosion Resistant
- Tinned Wire
- Heavy Duty Cable
- Stows Easily & Remains Flexible
- Coils Tightly Even In Freezing Weather



C50504
50ft



C50254
25ft

50 AMP CORDSETS WITH REVERSE POLARITY INDICATOR LIGHT

Dual Configuration - 50 Amp / 125V / 250V SmartPlug Female Boatside & 50 Amp Twist-type Male 125V / 250V Dockside

PART NUMBER	DESCRIPTION	LENGTH	COLOR	BOATSIDE	DOCKSIDE
C50254	50 Amp / 125V / 250V Cordset - SmartPlug Female Boatside X 50 Amp Male Twist-type Dockside Connector	25ft	Orange	50 Amp SmartPlug	50 Amp Twist-type SS2-50P
C50504	50 Amp / 125V / 250V Cordset - SmartPlug Female Boatside X 50 Amp Male Twist-type Dockside Connector	50ft	Orange	50 Amp SmartPlug	50 Amp Twist-type SS2-50P

16 AMP - EURO











16 AMP INLETS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BM16NT	16 Amp / 230V Inlet / Male Boatside Inlet	Stainless Steel	Stainless
BM16PW	16 Amp / 230V Inlet / Male Boatside Inlet	Non-Metallic	White
BM16PG	16 Amp / 230V Inlet / Male Boatside Inlet	Non-Metallic	Gray
BM16PB	16 Amp / 230V Inlet / Male Boatside Inlet	Non-Metallic	Black



New and improved cord seal. This new design is made for an easy installation for a water-tight connection. It provides superior anti-vibration support for a firm grip on the power cord.

*Available in Q3 2023



16 AMP CONNECTOR

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BF16	16 Amp / 230V SmartPlug Female Cord End Connector	Non-Metallic	Orange







New and improved cord seal. This new design is made for an easy installation for a water-tight connection. It provides superior anti-vibration support for a firm grip on the power cord.

*Available in Q3 2023

16 AMP COMBO KITS

		INLET	
PART NUMBER	DESCRIPTION	MATERIAL	COLOR
B16ASSYNT	16 Amp / 230V Inlet Male - Boatside Inlet and Female Cord End Connector	Stainless Steel	Stainless
B16ASSYPW	16 Amp / 230V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	White
B16ASSYPG	16 Amp / 230V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	Gray
B16ASSYPB	16 Amp / 230V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	Black

DESCRIPTION

This cord allows you to connect to a european 16A SmartPlug inlet and attach your own connector to the dockside end.



16 AMP HARMONIZED CORDS WITH REVERSE POLARITY INDICATOR LIGHT

Single Configuration - 16 Amp / 230V Harmonized Cord - Female Connector w/ Open End

PART NUMBER	DESCRIPTION	LENGTH	COLOR	BOATSIDE	DOCKSIDE
C16123	16 Amp / 230V Cord - 16A SmartPlug Female Connector X Open End	12.5M	Orange	16 Amp SmartPlug	Open End
C16253	16 Amp / 230V Cord - 16A SmartPlug Female Connector X Open End	25M	Orange	16 Amp SmartPlug	Open End

32 AMP - EURO



32 AMP INLETS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BM32S	32 Amp / 230V Inlet / Male Boatside Inlet	Stainless Steel	Stainless
BM32PW	32 Amp / 230V Inlet / Male Boatside Inlet	Non-Metallic	White
BM32PG	32 Amp / 230V Inlet / Male Boatside Inlet	Non-Metallic	Gray
BM32PB	32 Amp / 230V Inlet / Male Boatside Inlet	Non-Metallic	Black



New and improved cord seal. This new design is made for an easy installation for a water-tight connection. It provides superior anti-vibration support for a firm grip on the power cord.

*Available in Q3 2023



32 AMP CONNECTOR

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BF32	32 Amp / 230V SmartPlug Female Cord End Connector	Non-Metallic	Orange







New and improved cord seal. This new design is made for an easy installation for a water-tight connection. It provides superior anti-vibration support for a firm grip on the power cord.

*Available in Q3 2023

32 AMP COMBO KITS

		INLET	
PART NUMBER	DESCRIPTION	MATERIAL	COLOR
B32ASSY	32 Amp / 230V Inlet Male - Boatside Inlet and Female Cord End Connector	Stainless Steel	Stainless
B32ASSYPW	32 Amp / 230V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	White
B32ASSYPG	32 Amp / 230V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	Gray
B32ASSYPB	32 Amp / 230V Inlet Male - Boatside Inlet and Female Cord End Connector	Non-Metallic	Black

DESCRIPTION

This cord allows you to connect to a european 32A SmartPlug inlet and attach your own connector to the dockside end.



32 AMP HARMONIZED CORDS WITH REVERSE POLARITY INDICATOR LIGHT

Single Configuration - 32 Amp / 230V Cord - 32 Amp SmartPlug Female Connector X Open End

PART NUMBER	DESCRIPTION	LENGTH	COLOR	BOATSIDE	DOCKSIDE
C32153	32 Amp / 230V Cord - 32 Amp SmartPlug Female Boatside Connector X Open End	15M	Orange	32 Amp SmartPlug	Open End
C32253	32 Amp / 230V Cord - 32 Amp SmartPlug Female Boatside Connector X Open End	25M	Orange	32 Amp SmartPlug	Open End

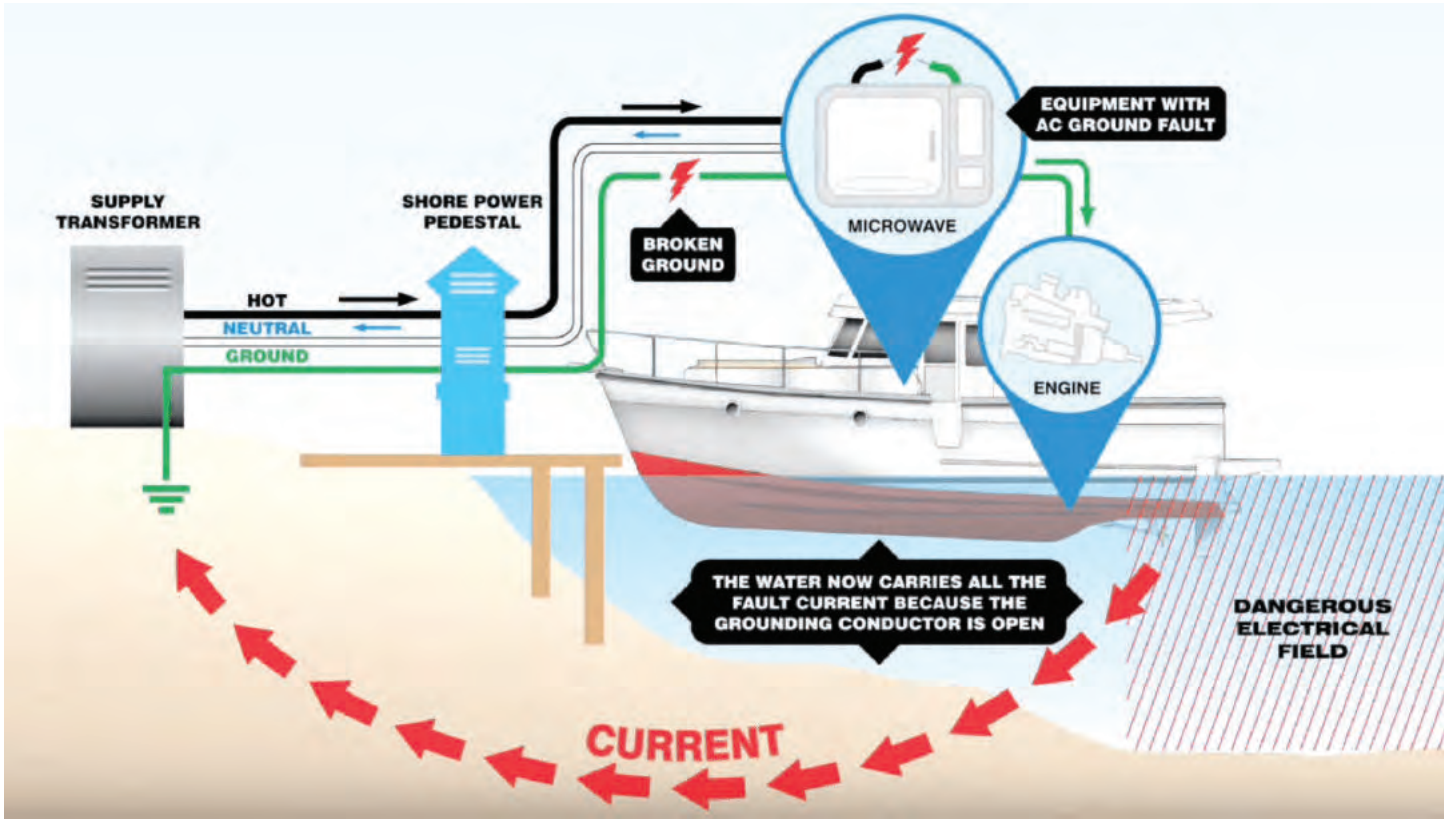
ELCIs HELP PREVENT ELECTRICAL SHOCK DROWNING

Electric Shock Drowning (ESD) severely injures and kills people every year. ESD occurs when faulty wiring sends electric current into the water which passes through the body and causes paralysis. This could ultimately result in drowning. With ESD a swimmer does not need to be touching a boat or dock structure. Small amounts of electricity can be incapacitating and lead to drowning.

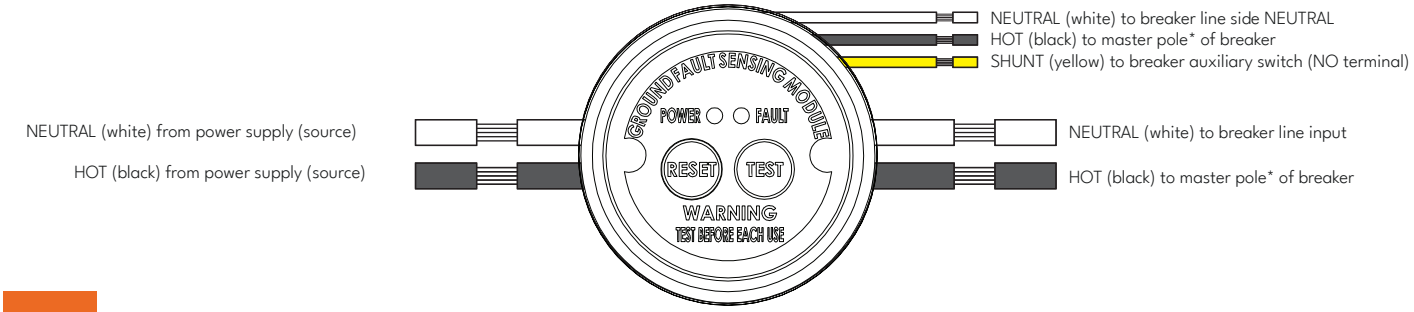
ELCIs measure current flow in the hot and neutral wires and immediately switch the electricity off if an imbalance of current flow is detected. Retrofitting an ELCI to an existing AC system can be worthwhile to protect your family from the danger of electric shock in the water. ELCI protection on each shore power line will reduce risk to those on the boat, the dock, and in the water surrounding the boat.

FEATURES

- Power and fault status indicators
- Provides identification of a ground fault vs. short circuit trip
- Chemical and UV resistant enclosure
- Trip level of sensing device < 30mA (27mA nominal) at trip time of < 100mS (60mS nominal) per ABYC E-11
- Power range and operating voltage: 0 - 50 Amps, 120 / 240 VAC
- Unit operating temperature is -35˚ C to +66˚ C
- Accommodates up to 3 wires, 6 AWG



WIRING DIAGRAM (120 VAC APPLICATION FOR ELCI SENSOR)



ELCI SENSOR AND BREAKERS



STAINLESS COMBO KITS - ELCI SENSOR / BREAKER

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
ELCIBRKR30SS	Combo Kit - ELCI Sensor & 30 Amp Breaker / Stainless Steel	Stainless Steel	Stainless
ELCIBRKR50SS	Combo Kit - ELCI Sensor & 50 Amp Breaker / Stainless Steel	Stainless Steel	Stainless

WHITE NON-METALLIC COMBO KITS - ELCI SENSOR / BREAKER

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
ELCIBRKR30PW	Combo Kit - ELCI Sensor & 30 Amp Breaker / White Non-Metallic	Non-Metallic	White
ELCIBRKR50PW	Combo Kit - ELCI Sensor & 50 Amp Breaker / White Non-Metallic	Non-Metallic	White

INDIVIDUAL COMPONENTS - STAINLESS STEEL / ELCI SENSOR / BREAKER

Designed to work specifically with ELCI30BRKERSS & ELCI50BRKERSS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
ELCISENSORSS	30 Amp / 50 Amp - ELCI Sensor - Stainless Steel	Stainless Steel	Stainless
ELCI30BRKERSS	30 Amp Breaker - Stainless Steel Special 30 Amp trip breaker to work with ELCI sensor ELCISENSORSS	Stainless Steel	Stainless
ELCI50BRKERSS	50 Amp Breaker - Stainless Steel Special 30 Amp trip breaker to work with ELCI sensor ELCISENSORSS	Stainless Steel	Stainless

INDIVIDUAL COMPONENTS - NON-METALLIC / ELCI SENSOR / BREAKER

Designed to work specifically with ELCI30BRKERNMW & ELCI50BRKERNMW

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
ELCISENSORNMW	30 Amp / 50 Amp - ELCI Sensor - White Non-Metallic	Non-Metallic	White
ELCI30BRKERNMW	30 Amp Breaker - White Non-Metallic Special 30 Amp trip breaker to work with ELCI sensor ELCISENSORNMW	Non-Metallic	White
ELCI50BRKERNMW	50 Amp Breaker - White Non-Metallic Special 30 Amp trip breaker to work with ELCI sensor ELCISENSORNMW	Non-Metallic	White

DATA PORTS

PHONE / TV / CABLE / INTERNET



The SmartPlug Data Port products are the perfect complement to our shore power inlets. They are available in coax cable, ethernet, HDMI, USB-C, USB-A and mixed combinations.

All single Data Port inlets are supplied with one connector and one blank insert.

SINGLE DATA PORT DESIGN

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BDCOAX	Single - TV / Internet Connector - Stainless Steel	Stainless Steel	Stainless
BDCOAXPB	Single - TV / Internet Connector	Non-Metallic	Black
BDCOAXPG	Single - TV / Internet Connector	Non-Metallic	Gray
BDCOAXPW	Single - TV / Internet Connector	Non-Metallic	White
BDUSBC	Single - USB-C Connector - Stainless Steel	Stainless Steel	Stainless
BDUSBCPB	Single - USB-C Connector	Non-Metallic	Black
BDUSBCPG	Single - USB-C Connector	Non-Metallic	Gray
BDUSBCPW	Single - USB-C Connector	Non-Metallic	White
BDUSBA	Single - USB-A Connector - Stainless Steel	Stainless Steel	Stainless
BDUSBAPB	Single - USB-A Connector	Non-Metallic	Black
BDUSBAPG	Single - USB-A Connector	Non-Metallic	Gray
BDUSBAPW	Single - USB-A Connector	Non-Metallic	White
BDHDMI	Single - HDMI Connector - Stainless Steel	Stainless Steel	Stainless
BDHDMIPB	Single - HDMI Connector	Non-Metallic	Black
BDHDMIPG	Single - HDMI Connector	Non-Metallic	Gray
BDHDMIPW	Single - HDMI Connector	Non-Metallic	White
BDETH	Single - Ethernet Cable Connector - Stainless Steel	Stainless Steel	Stainless
BDETHPB	Single - Ethernet Cable Connector	Non-Metallic	Black
BDETHPG	Single - Ethernet Cable Connector	Non-Metallic	Gray
BDETHPW	Single - Ethernet Cable Connector	Non-Metallic	White
BDBSS	Single - Blank & Open Port- Stainless Steel	Stainless Steel	Stainless
BDBPB	Single - Blank & Open Port	Non-Metallic	Black
BDBPG	Single - Blank & Open Port	Non-Metallic	Gray
BDBPW	Single - Blank & Open Port	Non-Metallic	White



NEW CONNECTOR PORTS

Build or expand your own Data Port inlet.

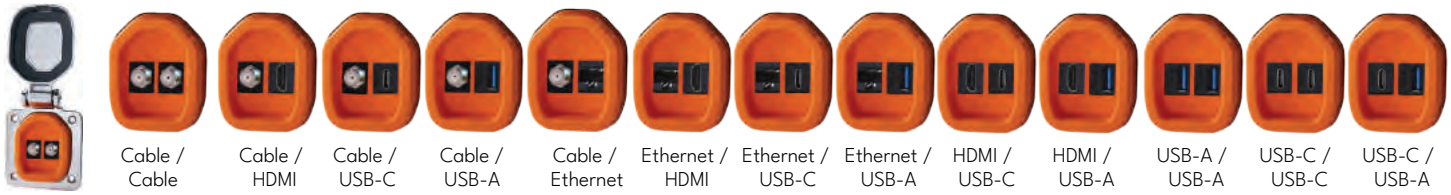
PART NUMBER	DESCRIPTION	MATERIAL	COLOR
KSJCOAX	Single - TV / Internet Connector Port	Non-Metallic	Black
KSJUSBC	Single - USB-C Connector Port	Non-Metallic	Black
KSJUSB	Single - USB-A Connector Port	Non-Metallic	Black
KSJHDMI	Single - HDMI Connector Port	Non-Metallic	Black
KSJETH	Single - Ethernet Cable Connector Port	Non-Metallic	Black



DATA PORTS

PHONE / TV / CABLE / INTERNET

NEW DOUBLE DATA PORT DESIGN



	Cable / Cable	Cable / HDMI	Cable / USB-C	Cable / USB-A	Cable / Ethernet	Ethernet / HDMI	Ethernet / USB-C	Ethernet / USB-A	HDMI / USB-C	HDMI / USB-A	USB-A / USB-A	USB-C / USB-C	USB-C / USB-A
SS Stainless Steel	BDCOAXCC	BDSSCH	BDSSCU	BDSSCUA	BDCOAXEC	BDSSEH	BDSSEU	BDSSEUA	BDSSHU	BDSSHUA	BDSSUAUA	BDSSUU	BDSSUUA
PB Black	BDPBCC	BDPBCH	BDPBCU	BDPBCUA	BDPBEC	BDPBEH	BDPBEU	BDPBEUA	BDPBHU	BDPBHUA	BDPBUAUA	BDPBUU	BDPBUUA
PG Gray	BDCOAXCCPG	BDPGCH	BDPGCU	BDPGCUA	BDPGEC	BDPGEH	BDPGEU	BDPGEUA	BDPGHU	BDPGHUA	BDPGUAUA	BDPGUU	BDPGUUA
PW White	BDPWCC	BDPWCH	BDPWCU	BDPWCUA	BDPWEC	BDPWEH	BDPWEU	BDPWEUA	BDPWHU	BDPWHUA	BDPWUAUA	BDPWUU	BDPWUUA

ACCESSORIES



16, 30, 32 & 50 AMP - WEATHER CAP

The SmartPlug Weather Cap protects the SmartPlug shore power connectors from moisture when not in use. These weather resistant caps come with a convenient lanyard for tethering the cover to the cordset.

PART NUMBER
A1001

16, 30, 32 & 50 AMP CARRY BAG

The SmartPlug cordset bag provides a convenient way to transport and store your cordset. The cordset bag includes handles and a zipper for easy use.

PART NUMBER	FITS CORDS SETS
CB1001	16 Amp - 12.5 m, 25 m & 32 Amp - 25 m 30 Amp - 25 ft, 50 ft & 50 Amp - 25 ft





SERVICE KITS

SmartPlug service kits provide all of the electrical components, hardware, and gaskets required to replace or repair the SmartPlug products.



FEMALE CONNECTOR / ELECTRICAL

SERVICE KITS / FOR BF30, F50, BF16 & BF32 PRODUCTS

PART NUMBER	DESCRIPTION
PKF30	Service Kit - 30 Amp / 125V - SmartPlug BF30 Female Connector
PKF50	Service Kit - 50 Amp / 125V / 250V - SmartPlug BF50 Female Connector
PKF16	Service Kit - 16 Amp / 230V - SmartPlug BF16 Female Connector
PKF32	Service Kit - 32 Amp / 230V - SmartPlug BF32 Female Connector

SIDE LEVER KIT

SIDE LEVER KIT / REPLACEMENTS FOR ALL SMARTPLUG FEMALE CONNECTORS

PART NUMBER	DESCRIPTION
PKF01	Side Lever Kit - Stainless Steel Levers, Pins And Springs To Fit All SmartPlug Connectors





MALE INLET CONNECTOR / ELECTRICAL

SERVICE KITS / FOR BM30, BM50, BM16, BM32, PRODUCTS

PART NUMBER	DESCRIPTION
PKM30	Service Kit - 30 Amp / 125V - SmartPlug BM30 Male Inlet
PKM50	Service Kit - 50 Amp / 125V / 250V - SmartPlug BM50 Male Inlet
PKM16	Service Kit - 16 Amp / 230V - SmartPlug BM16 Male Inlet
PKM32	Service Kit - 32 Amp / 230V - SmartPlug BM32 Male Inlet

FEMALE CONNECTOR / GASKETS

GASKET KITS / REPLACES GASKETS FOR BF30, BF50, BF16 & BF32 PRODUCTS

PART NUMBER	DESCRIPTION
PKF30G	Gasket Kit - 30 Amp / 125V - SmartPlug BF30 Female Connector
PKF50G	Gasket Kit - 50 Amp / 125V / 250V - SmartPlug BF50 Female Connector
PKF16G	Gasket Kit - 16 Amp / 230V - SmartPlug BF16 Female Connector
PKF32G	Gasket Kit - 32 Amp / 230V - SmartPlug BF32 Female Connector





MALE INLET / GASKETS

GASKET KIT / REPLACES GASKETS FOR BM30, BM50, BM16 & BM32 PRODUCTS

PART NUMBER	DESCRIPTION
PKMGKT	Gasket Kit - Fits All SmartPlug Male Including Stainless & Non-metallic Inlets

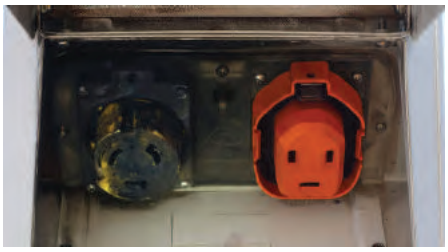
MARINA / DOCKSIDE POWER PRODUCTS



DOCKSIDE SOLUTIONS

For many years boaters have experienced the safety, security and simplicity of SmartPlug products on the boatside while still dealing with the same old issues created by legacy twist-type products on the dockside. Those days are changing with the introduction of SmartPlug's New dockside product offering. SmartPlug has applied decades of experience and customer feedback to create a product line that allows you to upgrade your shore power connection with SmartPlug technology.

Most boaters have seen dangerous power cord connections on the docks. Legacy twist-type systems were never designed for the harsh marine environment. Pedestals with twist-type systems do not include weather gaskets or any mechanical locking system to secure the plug in the pedestal. The L-pin connector in the twist-type system is difficult to align and ensure a safe connection. With no positive locking mechanism the twist-type plug tries to disengage due to the downward pull of the cordset and dock movement from wind and waves. Below are some examples of jury-rigged solutions seen in marinas.

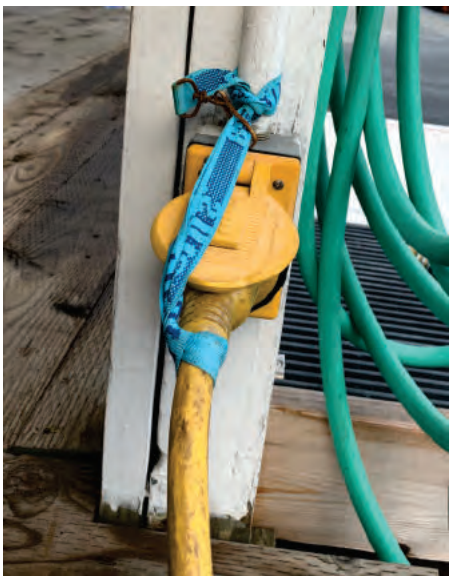


TWIST-TYPE INLET CHARRED FROM NORMAL USE

LEGACY TWIST-TYPE CONNECTIONS







SMARTPLUG MARINA / DOCKSIDE SOLUTIONS

SAFE - REDUCES OVERHEATING & FIRE POTENTIAL

- 27x more electrical contact area than the standard twist-type connectors
- Solid sleeve design helps reduce internal arching and overheating
- Weather resistant seals reduce water intrusion and corrosion (stays nice & dry)



SIMPLE TO USE

- Easy alignment with one handed insertion
- Plugs straight in - no twisting required
- Automatic locking system

SECURE

- Multi-point locking system with stainless release
- 7 Year warranty - best in the industry
- Strong, stable connection with locking side and top clips

RECEPTACLES / WEATHER DOORS

EATON HATTERAS SMALL PEDESTAL/DOCKSIDE ELECTRICAL BOX





50 Amp



30 Amp



Vertical Weather Door With Receptacle

SmartPlug receptacles are designed to provide the maximum surface contact to efficiently transfer power while minimizing resistance which causes heat. These receptacles are used to upgrade existing marina pedestals. They can also be installed in industry standard outdoor electrical boxes when used in conjunction with our spring loaded weather doors.

SmartPlug plugs self-align with these receptacles and have an automatic lock system when engaged. The push in design provides self cleaning for the pins and clips which insures clean power transfer.

30 & 50 AMP RECEPTACLES

SMARTPLUG FEMALE 125V & 250V

PART NUMBER	DESCRIPTION	RECEPTACLE COLOR
RF30	30 Amp SmartPlug Female Receptacle / 125V	Orange
RF50	50 Amp SmartPlug Female Receptacle / 125V / 250V	Orange



30 & 50 AMP WEATHER DOORS

SMARTPLUG FEMALE 125V / 250V

WEATHER DOOR - 30 & 50 AMP (KNOCKOUT FOR 50 AMP)

PART NUMBER	DESCRIPTION	WEATHER DOOR COLOR
RDPWL	30 Amp / 50 Amp Weather Door / Horizontal	White
RDPWP	30 Amp / 50 Amp Weather Door / Vertical	White

30 & 50 AMP RECEPTACLE KITS

EATON LIGHTHOUSE RECEPTACLE CONVERSION KITS WITH SMARTPLUG RECEPTACLES





LHRF50ASSY



LHRF3050ASSY

PART NUMBER	DESCRIPTION
LHRF30ASSY	30 Amp Single Receptacle Kit, (Includes: 30 Amp SmartPlug Receptacle, Main Eaton Mounting Bracket, 30 Amp SmartPlug Adapter Plate, Legacy Adapter Plate)
LHRF50ASSY	50 Amp Single Receptacle Kit, (Includes: 50 Amp SmartPlug Receptacle, Main Eaton Mounting Bracket, 50 Amp SmartPlug Adapter Plate, Legacy Adapter Plate)
LH2RF30ASSY	30 Amp Double Receptacle Kit, (Includes: (2) 30 Amp SmartPlug Receptacles, Main Eaton Mounting Bracket, (2) 30 Amp SmartPlug Adapter Plates)
LH2RF50ASSY	50 Amp Double Receptacle Kit, (Includes: (2) 50 Amp SmartPlug Receptacles, Main Eaton Mounting Bracket, (2) 50 Amp SmartPlug Adapter Plates)
LHRF3050ASSY	30 Amp / 50 Amp Receptacle Kit, (Includes: (1) 30 Amp SmartPlug Receptacle, (1) 50 Amp SmartPlug Receptacle, Main Eaton Mounting Bracket, 30 Amp SmartPlug Adapter Plate and a 50 Amp SmartPlug Adapter Plate)

30 & 50 AMP ADAPTERS

EATON LIGHTHOUSE MOUNTING PLATE AND ADAPTERS



LHRBRKT30



LHRBRKTL530



LHRBRKTB

PART NUMBER	DESCRIPTION
LHRBRKT	Main Eaton Mounting Bracket - For Eaton Lighthouse Pedestal
LHRBRKT30	Plate - SmartPlug - 30 Amp Adapter Plate - To fit a SmartPlug Receptacle into an Eaton Lighthouse Pedestal
LHRBRKT50	Plate - SmartPlug - 50 Amp Adapter Plate - To fit a SmartPlug Receptacle into an Eaton Lighthouse Pedestal
LHRBRKTL530	Plate - Legacy - 30 Amp Adapter Plate - To fit a Legacy Connector into Main Eaton Mounting Bracket
LHRBRKT60729	Plate - Legacy - 50 Amp Adapter Plate - To fit a Legacy Connector into Main Eaton Mounting Bracket
LHRBRKTB	Plate - Blank - 30 Amp / 50 Amp - Blank Plate to plug a hole



DOCK & LIFT KITS

MARINA / DOCKSIDE PRODUCTS

DESCRIPTION

This lift kit has all the components that you will need to keep your vessel safely charged while dockside.



SINGLE WEATHER BOX KIT



25 FT CORD WITH SMARTPLUG MALE & FEMALE PLUG ENDS





BOATSIDE INLET STAINLESS STEEL



BOATSIDE INLET WHITE

30 AMP / 125V DOCK & LIFT KITS WITH REVERSE POLARITY INDICATOR LIGHT

PART NUMBER	DESCRIPTION	INLET	CORD COLOR
BLFT30ASSYPWO	30 Amp / 125V - 25 ft Cord With Male and Female SmartPlug Ends / Single Weather Box Kit / Boatside Inlet	Non-Metallic / White	Orange
BLFT30ASSYNTO	30 Amp / 125V - 25 ft Cord With Male and Female SmartPlug Ends / Single Weather Box Kit / Boatside Inlet	Stainless Steel	Orange



30 & 50 AMP MARINA SHOREPOWER CORDSETS

DESCRIPTION
This cord allows you to connect to a SmartPlug pedestal and a SmartPlug boatside inlet. Fully tinned wires.

SUPERFLEX
BEST IN THE INDUSTRY

- Corrosion Resistant
- Tinned Wire
- Heavy Duty Cable
- Stows Easily & Remains Flexible
- Coils Tightly Even In Freezing Weather



CM50504



CM30253

30 AMP & 50 AMP - SMARTPLUG MALE & SMARTPLUG FEMALE CORDSETS WITH REVERSE POLARITY INDICATOR LIGHT

PART NUMBER	DESCRIPTION	LENGTH	COLOR	BOATSIDE	DOCKSIDE
CM30253	30 Amp SmartPlug Male & SmartPlug Female Cordset	25ft	Orange	30 Amp SmartPlug	30 Amp SmartPlug
CM30503	30 Amp SmartPlug Male & SmartPlug Female Cordset	50ft	Orange	30 Amp SmartPlug	30 Amp SmartPlug
CM50254	50 Amp SmartPlug Male & SmartPlug Female Cordset	25ft	Orange	50 Amp SmartPlug	50 Amp SmartPlug
CM50504	50 Amp SmartPlug Male & SmartPlug Female Cordset	50ft	Orange	50 Amp SmartPlug	50 Amp SmartPlug

NEW NOW ETL APPROVED!

ONLY ETL APPROVED ADAPTERS IN THE INDUSTRY

MATES TO BOATSIDE INLET	MATES TO DOCKSIDE RECEPTACLE

30 Amp Male SmartPlug



C15043

15 Amp STD Wall Plug

50 Amp Male SmartPlug



Available in Q3 2023
CM50043

30 Amp Female SmartPlug

50 Amp Male SmartPlug



C50044L515P

15 Amp STD Wall Plug

50 Amp Male SmartPlug



C50044L530P

30 Amp Female Twist-type

MATES TO BOATSIDE INLET	MATES TO DOCKSIDE RECEPTACLE

30 Amp Male Twist-type



CM30043L530R

30 Amp Female SmartPlug

30 Amp Male SmartPlug



C30043

30 Amp Female Twist-type

50 Amp Male SmartPlug



C50044

50 Amp Female Twist-type

50 Amp Male Twist-type



CM5004460729R

50 Amp Female SmartPlug

PART NUMBER	DESCRIPTION	LENGTH	COLOR	BOATSIDE	DOCKSIDE
C15043	30 Amp SmartPlug Female Connector to 15 Amp STD Male Wall Plug Connector	4ft	Orange	30 Amp Female SmartPlug Connector	15 Amp Male Wall Plug Connector
CM30043L530R	30 Amp Female Twist-type Connector to 30 Amp SmartPlug Male Connector	4ft	Orange	30 Amp Twist-type Female Connector	30 Amp Male SmartPlug Connector
C30043	30 Amp SmartPlug Female Connector to 30 Amp Twist-type Male Connector	4ft	Orange	30 Amp Female SmartPlug Connector	30 Amp Twist-type Male SmartPlug Connector
CM50043	50 Amp SmartPlug Female Connector to 30 Amp SmartPlug Male Connector	4ft	Orange	50 Amp Female SmartPlug Connector	30 Amp Male SmartPlug Connector
C50044L515P	50 Amp SmartPlug Female Connector to 15 Amp STD Male Wall Plug Connector	4ft	Orange	50 Amp Female SmartPlug Connector	15 Amp Male Wall Plug Connector
C50044L530P	50 Amp SmartPlug Female Connector to 30 Amp Male Twist-type Connector	4ft	Orange	50 Amp Female SmartPlug Connector	30 Amp Male Twist-type Connector
C50044	50 Amp SmartPlug Female Connector to 50 Amp Male Twist-type Connector	4ft	Orange	50 Amp Female SmartPlug Connector	50 Amp MaleTwist-type Connector
CM5004460729R	50 Amp Female Twist-type Connector to 50 Amp SmartPlug Male Connector	4ft	Black	50 Amp Twist-type Connector	50 Amp Male SmartPlug Connector

SAFE SIMPLE SECURE

Made in the USA

7 YEAR WARRANTY

SmartPlug®

Innovations in Power Delivery

Marine

PRODUCT CATALOG **2023**

2500 Westlake Avenue North, Suite G
Seattle, WA 98109-2262

Intertek

ABYC Compliant
Independently tested by IMANNA Laboratory to meet ABYC E-11 standards

INTERMODAL MATERIEL AND NAUTICAL/NUCLEAR ANALYSIS IMANNA LABORATORY INC.

2013 NMMA INNOVATION AWARDS WINNER

Compliant
Regulations Title 33, Chapter 1 CFR Part 183

info@smartplug.com www.SmartPlug.com 206.285.2990

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