

Since 1918 ERICS *ESOLUTIONS* 









GUIDE

Second Edition July M-2011

We Energize, Illuminate, Protect & Connect

Ericson Manufacturing Company has been energizing, illuminating, protecting and connecting industry for 93 years and counting. For safe, rugged, high quality electrical safety and lighting products look to Ericson, a name you can trust.





UNBREAKABLE PLUG Blades held firmly and permanently in insert, protected connections. Tension kept off terminals by fibre cord grip ring. Flexible shank, Fits standard receptacles. Ericson Manufacturing Co., 5716 Euclid Ave., Cleveland, Ohio.



Both plug No. 15 P-C and its team-mate, connector No. 19 P-C, withstand tugging and pulling. It is almost impossible to pull the wires from the terminals, since the cord grip clamp relieves the tension between wires and terminals. Not only this, but Ericson-built plugs and connectors are made entirely of rubber; are non-breakable as well as oil-resistant. No repairs! No shorts! No breakage! Get prices and full details.

ERICSON MANUFACTURING COMPANY 5209-E Euclid Avenue, Cleveland 3, Ohio From 1918 to today, Ericson has been a leader in the manufacture of safe, electrical and temporary lighting products.



# *Our story is built around you. Our customer. We believe in listening, implementing and adapting to become a customer driven, sales driven, innovative industry leader committed to "exceeding customer expectations."*

*We are YOUR PARTNER* – With on time shipments of 96% or better, ISO Certification of Quality, a helpful technical team, dedication to solve your individual issues, ease of doing business and follow up customer care after the sale...Ericson is and will always be your best choice...

*We are FAMILY* – Since 1918, The Ericson family continues to bring quality products and the promise of customer satisfaction to a growing customer base. With the flexibility of a mid-sized U.S. company with autonomy to operate in the best manner to satisfy your needs.

*We are READY* – Our dedication to your satisfaction starts with a "Yes we can..." attitude and the willingness to offer 24/7 Emergency Service to cover your operating hours, not ours. We are ready to ship your product quickly to meet your schedule.

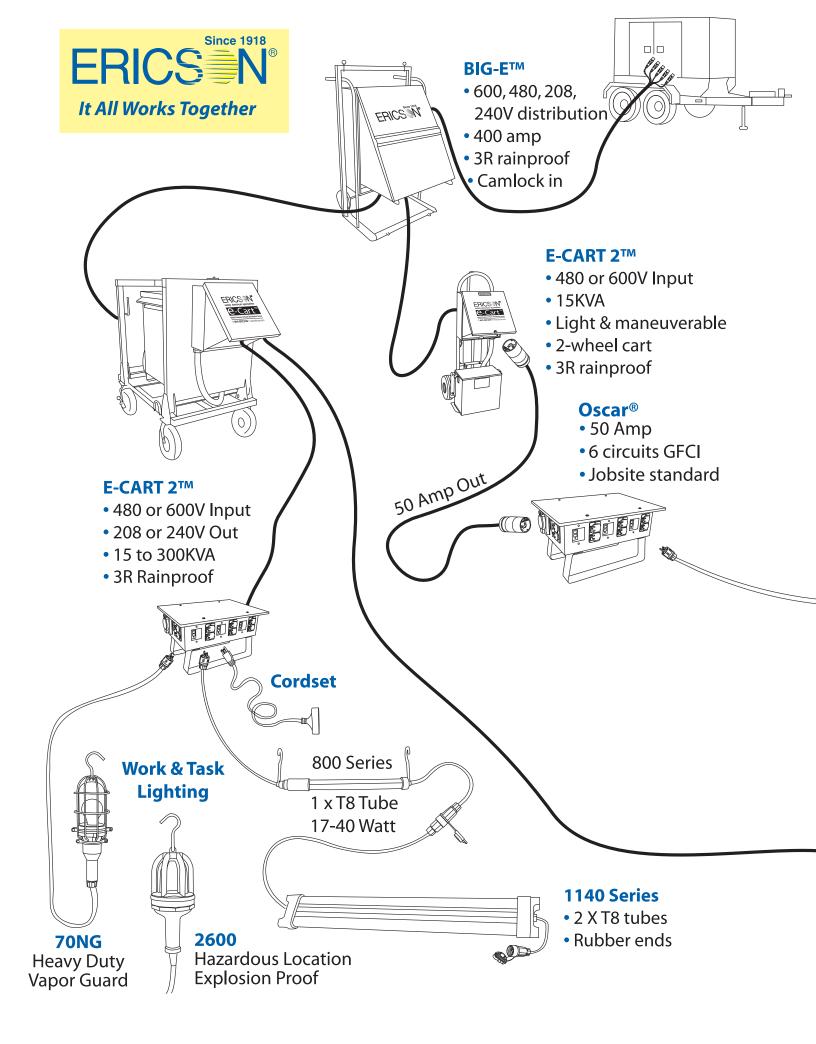
*We are INNOVATION* – We design and build innovative, safe and cost effective temporary power and lighting systems solutions. Our award winning designs and patents granted through the years are proof positive that Ericson consistently brings innovation to you.

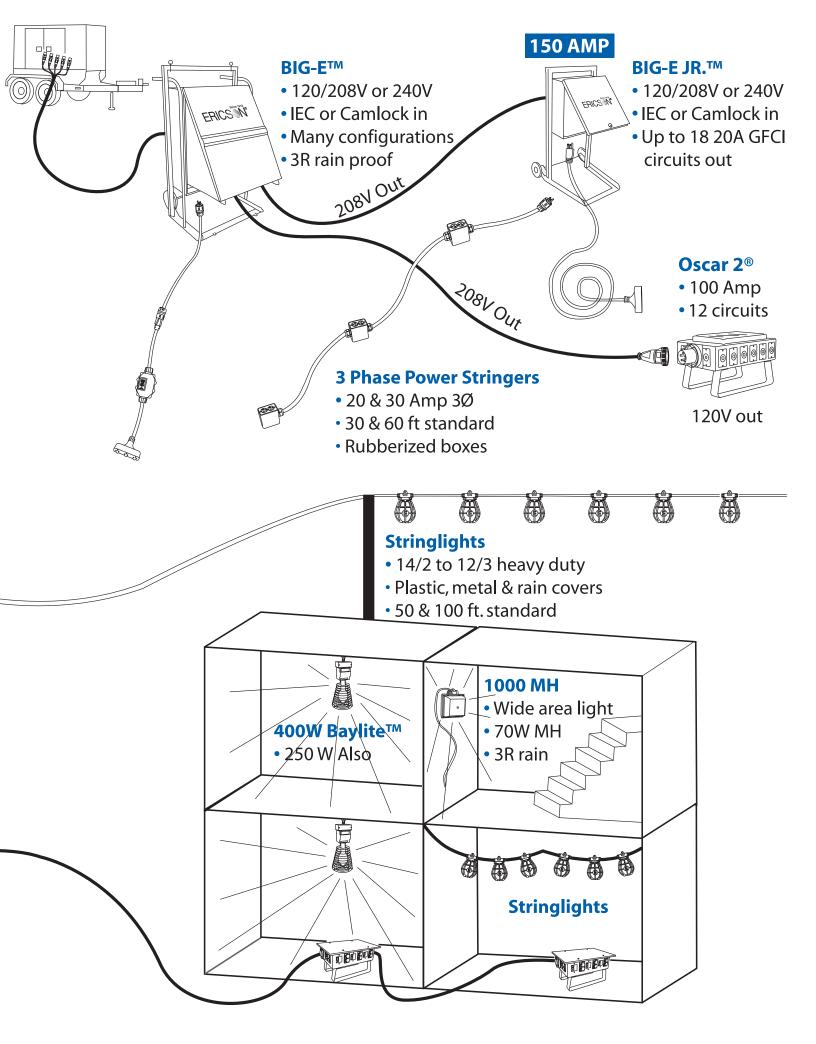
*We are QUALITY* – We are certified to the latest ISO 9001 certified Quality Standards and are known throughout the industry for manufacturing the highest quality products available. We constantly test and measure the quality of our products to meet or exceed your expectations.

We are SAFETY – Ericson emphasizes 3rd party NRTL Agencies to demonstrate our commitment to safety. UL, ETL, CSA listings, and NEC/CEC and OSHA Code compliance are integrated into every design.

*We are SOLUTIONS* – Our in-house Applications Engineering team is available to assist you in providing design and layout solutions. We have an impressive history of providing solutions with custom applications.







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# Looking for us?

At Ericson, we value the listing marks of 3rd party NRTL or International Underwriting Safety Agencies and understand the importance of up-to-date Listing Information to you, our customer. In order to properly keep up-to-date Agency Listing Information available 24/7, we have not placed any listing marks in this printed catalog. Why is this? There are two main reasons:



- 1.) New products shown at the time of printing may be undergoing the final Agency approvals and we are unable to mark that product until approval is given, and
- 2.) During the life of many products, we seek additional approvals to meet changing market demands. To get the latest agency approval information, please use any of the following steps:
- 1. Contact your local Ericson Rep for a listing lookup

2. Contact Customer Service at 1-800-ERICSON (374-2766) M-F 8-6 EST

3. 24/7 Web Search - TO SEARCH A PART - SEE THE FULL LISTING ON OUR WEBSITE WWW.ERICSON.COM/AGENCY

### What's This



The square barcode you see on certain pages are called 2D or QR barcodes. This latest barcode is a set of the barcodes. This latest barcode technology allows the encoding of valuable product information that would be impossible to show in a printed catalog. Examples of this information are product videos, website links and special spec downloads.

How to use these: Use your Smartphone with camera (Android, Blackberry, iPhone) and download any free QR or 2D Barcode scanning application software. They are free downloads and many varieties are available. Start the application and follow the instructions. Normally you hold the camera over the QR code and wait for the smartphone to respond. That's it...easy and enjoy the show.

# **Origin of Products**

Made in the USA - This symbol is shown on products that all or nearly all parts are made and assembled in the USA.

Assembled in the USA - This symbol is shown on products that most of the parts are from US Origin and assembled in the USA



# **UL Listed e-Cart® Series**

# e-Cart Jr.™

- UL Listed to 1640C
- 600 or 480V, 3 phase or single phase 60Hz power input
- 15kVA encapsulated transformer
- Output power options: 120Y/208V with 3-phase transformer or 120V/240V with single-phase transformer
- Combo load center with GFCI circuit breakers
- NEMA TYPE 3R main disconnect switch

#### See page 19

# e-Cart2<sup>™</sup>

- UL Listed to 1640C
- 480 or 600V, 3 phase or single phase 60Hz power input
- 350kVA transformer
- · Combo load center with GFCI circuit breakers
- NEMA TYPE 3R main disconnect switch
- NEMA 3R fused primary disconnect, sized per transformer

#### See page 21



### 1140 with T8 Bulbs

Model 1140: New electronic auto Multi-Voltage ballast operates from 120 to 277 V 50/60 Hz without modification. Green T8 bulbs with miser ballast housed in the ultimate harsh environment desian.



See page 105

# **Specialty Use - Boiler Lights**

500 Watt "Boiler Inspection" Light – 90 deg and straight tube that fits into a small opening for inspections – can be used in a variety of applications

See page 113



# Upgraded 5266 & 5269 Lighted Devices

- Translucent body allows device to glow from power on lamp (EL Models)
- Wide open "suitcase" style construction makes wiring easy
- Fits 10/3 to 18/3 cord diameters
- Rugged design withstands abuse on the jobsite
- Economy priced

See page 122



# Clear Perma-Tite<sup>®</sup> 2 SmartMonitor<sup>™</sup> Water Tight Style Wiring Device

All Weather - NEMA 6P rated Smart Monitor plug and connector now with an improved clear body to make ground continuity monitoring easy.



#### See page 128

# **All Weather Double Outlet Receptacle** with Cover Plates - PWDX

- Weather resistant boot seals around plug to provide weather resistant protection\*
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to 6200 series FS/FD/FT boxes and any flat panel surface

# See page 131

# 2705 Series Male Inlet FS Style

The 2705 series of male inlets is designed for all weather power inlet on a variety of applications. The heavy duty flip cover assembly and superior round sealing collar provides a superior seal against the elements. Use for inlet power only.



See page 136

# See our Expanded Reel Section

See page 157

# See our Expanded Pendant Section

See page 174





## **Temporary Power**

# Temporary Power & Lighting Solutions

For Challenging Locations Since 1918 ERECSIN Energize, Luminate, Protect & Connect

# **Temporary Power**











(In the latest full searchable listed or certified. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

\* TEMPORARY POWER \*

# **Product Overview**



# Big-E<sup>™</sup> PDU

Now available from Ericson...The Big E<sup>™</sup> Series, Mobile Temporary Power Distribution Centers for your jobsite.

#### The basic construction consists of:

- 600, 480 or 208 or 240 volt power distribution
- All connections and circuit breakers under one NEMA 3R rain proof cover
- Up to 400 Amp (Larger amperage available)
- 3R rainproof tested
- Camlok main power connected In
- Welder power distribution 480V (select models)
- Powder coated for corrosion resistance
- · Easy to move and store
- Frames stack & lock together for storage

# e-Cart2<sup>™</sup> Transformer Based PDU



-Cart

Now available from Ericson...The e-Cart 2<sup>™</sup> Mobile Temporary Power Distribution Centers for your jobsite.

ТΜ

BIG

POWER

Outdoor Rated

#### The basic configuration consists of:

- Industrial duty powder coated steel frame with lifting eyes, wheels or stands
- Three phase or single phase NEMA 3R 480V or 600V 60Hz ventilated transformer
- NEMA 3R load center with GFCI breakers installed, sized per transformer
- NEMA 3R fused primary disconnect, sized per transformer
- EZ to move and store
- Code compliant
- Patent pending design



# e-Cart<sup>™</sup> Jr. Transformer Based PDU

Now available from Ericson...The e-Cart Jr.™, Mobile Temporary Power Distribution Centers for your jobsite.

#### The basic construction consists of:

- 600 or 480V, 3 phase or single phase 60Hz power input
- 15kVA encapsulated transformer
- Output power options: 120Y/208V with 3-phase transformer or 120V/240V with single-phase transformer
- Combo load center with GFCI circuit breakers
- NEMA TYPE 3R main disconnect switch
- Code compliant







The Big E Jr.™, Mobile Temporary Power Distribution Center

#### The basic construction consists of:

- Up to 200 amp
- 120/208V or 240V
- IEC or camlok In
- Up to (18) 20A GFCI circuits out
- Many styles to choose from
- Patent pending design



# Oscar® Boxes - 1066/1067 Series

Available from Ericson...Oscar® Box Temporary Power Distribution Units. Versatile protection for your jobsite, the Oscar® box is available in many standard GFCI protected configurations or contact the factory for a custom need.



- 50A 240V input(8) receptacles out
- Full GFCI compliance

# 1068 Series 3 Phase 208V Features:

- Choice of main inlet types IEC309 power-inlet and power-outlet or camlok
- Exclusive IPDM module installed
- GFCI or non-gfci circuit breakers available
- Receptacles protected by Ericson's FS Series flip seal covers
- · Camlok inputs available



ERCS N

100

FOOT

13 AMPS

# **Cordsets**

Ericson offers a complete line of high quality jobsite style cordsets for a range of applications. From light tool and generator connection to heavy duty #10/3 size cord, the Ericson line of safety cordsets is the right answer to your power cord needs.

**Bonus:** Custom factory cord jacket printing available

\* not available on some models.

ERICS AN ERICSON WALFACTURINE CONVAN HAN ERICSON CON 1-800-ERICSON

# **Custom Solutions**

Need a custom temporary power or lighting solution? Ericson can design and build a variety of custom application items to meet your needs. The Ericson Team of Sales Application and Engineering Professionals will help determine your requirements and find a solution to your unique application.

We Specialize In:

- Temporary Power Distribution
- Temporary Custom Lighting Solutions
- Cordset and Custom Stringlights
- Custom GFCI Solutions

Contact one of our Factory Trained Representatives in your area with your detailed application needs. Current listings can be found on <u>www.ericson.com</u> or call us 1-800-ERICSON

# **Oscar II PDU**

When you need a temporary power distribution box that will meet your requirements, look to the Oscar® 2 Series from Ericson. The flexible design platform of the new Oscar® 2 allows you to configure a Temporary Power Distribution Center that is right for you. The Oscar® 2 Expo Series picks up where the 1066/1067 leaves off.

**Typical Applications Include:** 

- Convention Centers
- Outdoor Events
- Festivals
- Carnivals, etc.
- Concerts
   Stage & Studio



# 6000, 7000 & 8000 Boxes

Rugged and durable, these outlet boxes are engineered to provide protection against electric shock while using portable power cords.

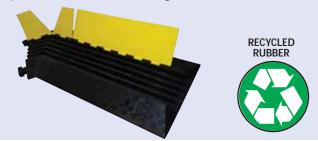


Use instead of all metal boxes

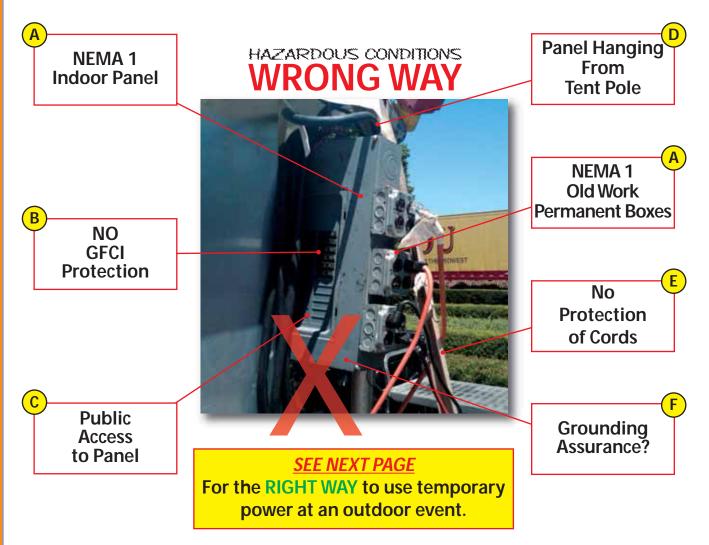


# **Cable Protectors - Heavy Duty**

Protect expensive cables from foot-traffic and equipment damage while eliminating tripping hazards caused by cables with Ericson's CP5 Series HD Cable Protectors. Made from stabilized and recycled rubber, for its resilience, hardness and impact resistance for demanding environments.



MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: <u>WWW.ERICSON.COM/AGENCY</u> Note: Products shown on this page may not be listed. *Need temporary power at a fair or festival?* Plug into Ericson's NEC/CED & OSHA compliant Power products to avoid accidents and costly fines from code violations.



#### **NEC Codes**

A.525.22 (A) "...shall be of weatherproof construction..."

B. 525.23 (A)(2) GFCI Protection is Required "... readily accessible to the general public..."

C. 525.10 (A) "...Equipment shall not be installed...accessible to unqualified persons..."

D. 525.10 (B) "Service equipment shall be mounted on solid backing...protected from weather..."

E. 525.20 (G) "Flexible cords...accessible to the public...shall be arranged to avoid a tripping hazard..."

F. 525.32 Grounding Assurance "...shall be verified each time that portable electrical equipment is connected."

#### Notes on these NEC codes:

NEMA 1 indoor panels are not suitable for outdoor temp power.

GFCI protection for personnel and the public is a must. Life saving devices.

Electrical service panels and temp power distribution should not be accessible by the public attending the event.

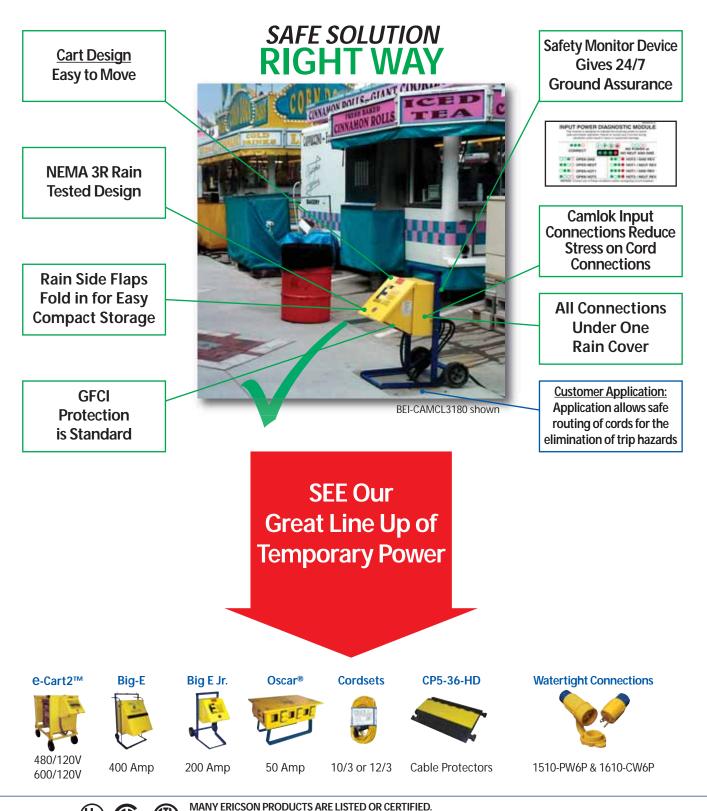
Hanging a panel from a tent pole is a violation. So is using plywood backing as plywood can be water soaked and now conductive.

Flexible power cords at the local fair are everywhere. They should be covered in walk areas (and not with plywood) to prevent the public touching any cord. Nicks and cuts are common with cords and the public touching a live conductor can happen. Or, in the event of rain, puddles can become live with nicked cords and non-weatherproof connectors.

Once the temp power is on, a ground check must be performed. However, if that temp power system is disturbed, it should be rechecked.

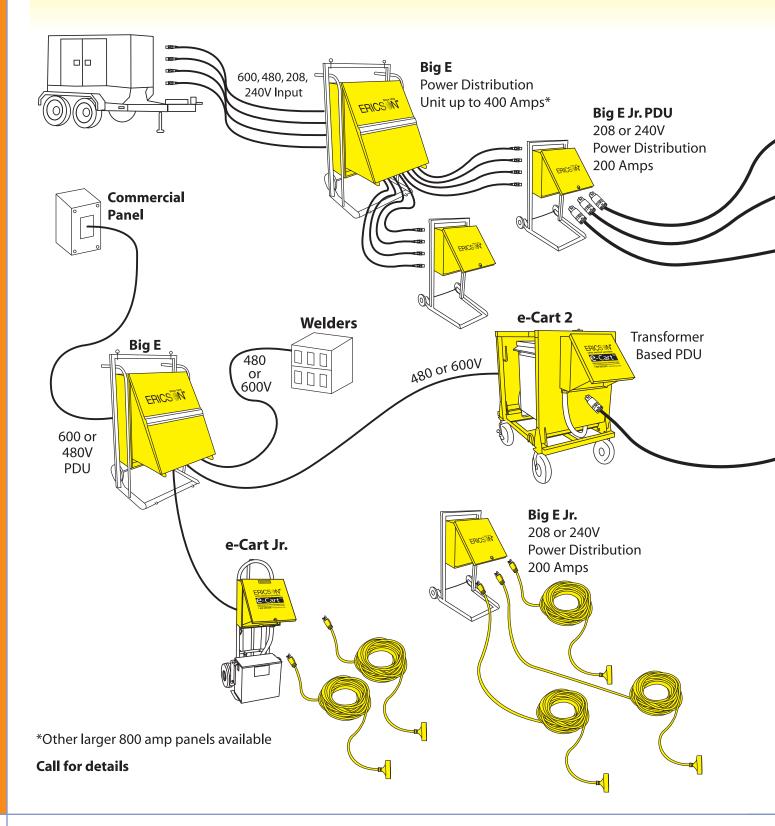
Power Smart...Ericson's full line of Temp Power Distribution Panels is the answer to your local Festival or Fair. Contact your local Ericson stocking distributor for assistance in designing your temp power needs.

- Code Compliance for Temp Power
- NEMA 3R Rainproof Design
- Designed for Ease of Use
- Built to Last
- Custom Layouts for Your Power Needs
- Temp Power Cordsets Cord Management



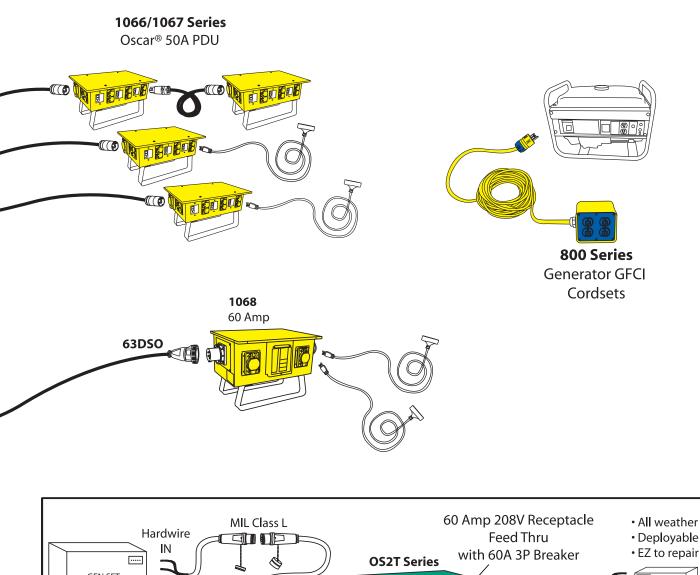
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# **The Ericson System** IT ALL WORKS TOGETHER



# The Ericson System - It All Works Together

**Plug and Play Systems** - Ericson manufactures high quality temporary power products that plug and play together. Use this system diagram as a guide to acquaint yourself with our extensive line of power products. Choose either a full system or just parts of the system, and either way, you can count on Ericson Products to save you time and money. Our plug and play philosophy is used in all our products to bring you the safest and most complete power products available. Custom options of all the products shown are available and our technical assistance teams can help you design the proper layout to meet your individual needs. Call us today for more details and to answer any of your product questions.



#### GEN SET GEN SET GEN SET With 60A 3P Breaker CCU HVAC Hardwire IN CALL FOR ORDERING DETAILS



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# Big-E<sup>™</sup> Series - 400 Amp Power Distribution

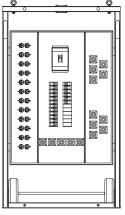


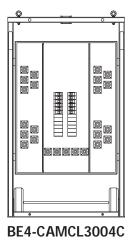
Now available from Ericson...The Big E<sup>™</sup> Series, Mobile Temporary Power Distribution Centers for your jobsite.

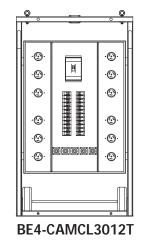


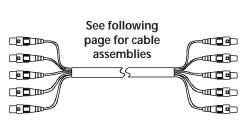
# Big-E<sup>™</sup>

		INP	UT POWER		OUTPUT CONNECTIONS		
	Voltage	Phase	Inlet Type	Mains Feed Thru	Receptacles Installed	Circuit & Personnel Protection	
BE4-CAM2CL3062CL	208	3	CAM SET (5)	CAM SET (5)	(6) L21-20 & (2 SETS) CAMLOCK	(6) 20A 3P C.B. Non-GFI	
BE4-CAM2CL3122C	208	3	CAM SET (5)	CAM SET (5)	(12) 5-20 DPLX & (2 SETS) CAMLOCK	(12) 20A GFI C.B.	
BE4-CAMCL1008T	240	1	CAM SET (4)		(8) CS6369 "Oscar Feeder"	(8) 50A 2P C.B.	
BE4-CAMCL3004C	208	3	CAM SET (5)		(4 SETS) CAMLOCK	(4) 100A 3P C.B.	
BE4-CAMCL3012T	208	3	CAM SET (5)		(12) CS6369 "Oscar Feeder"	(12) 50A 2P C.B.	
BE4-CAMCL3062CL	208	3	CAM SET (5)		(6) L21-20 & (2 SETS) CAMLOCK	(6) 20A 3P C.B. Non-GFI	
BE4-CAMCL3122C	208	3	CAM SET (5)		(12) 5-20 DPLX & (2 SETS) CAMLOCK	(12) 20A GFCI C.B.	
BE4-480CAM2CL3002C	480	3	CAM SET (4)	CAM SET (4)	(2 SETS) CAMLOCK	480V (4) 100A 3P C.B.	
BE4-480CAMCL3004C	480	3	CAM SET (4)		(4 SETS) CAMLOCK	480V (4) 100A 3P C.B.	
BE4-480CAMCL3004I	480	3	CAM SET (4)		(4) 100A IEC 4100RA7 Angled	480V (4) 100A 3P C.B.	
BE4-600CAM2CL1004C	600	1	CAM SET (4)	CAM SET (4)	(4 SETS) CAMLOCK (1 Phase)	600V (4) 100A 3P C.B.	
BE4-600CAM2CL3004C	600	3	CAM SET (4)	CAM SET (4)	(4 SETS) CAMLOCK	600V (4) 100A 3P C.B.	
BE4-600CAMCL3004C	600	3	CAM SET (4)		(4 SETS) CAMLOCK	600V (4) 100A 3P C.B.	





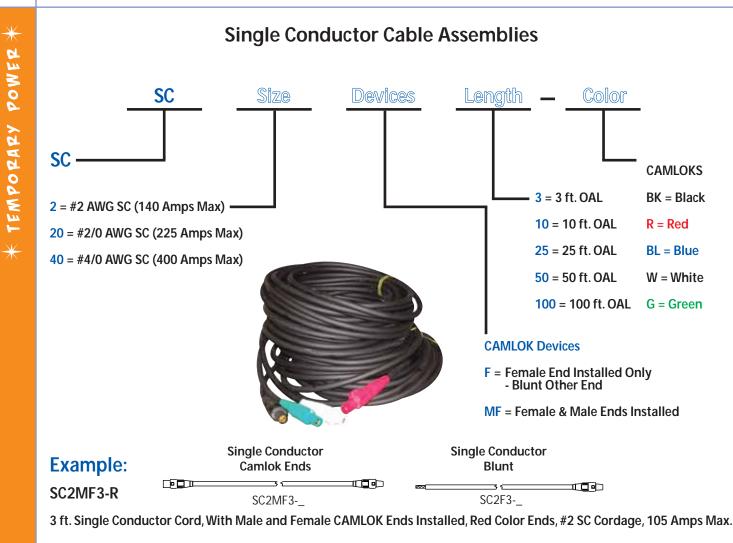




BE4-CAMCL3122C

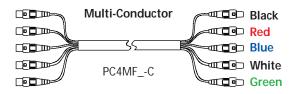
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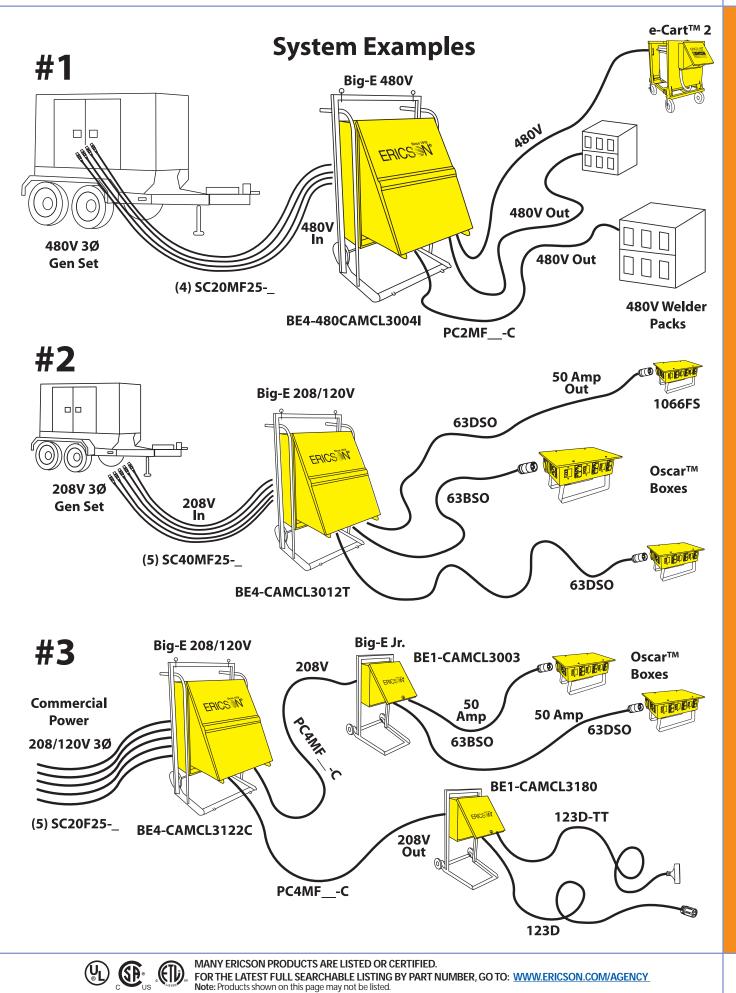




<b>Black</b> = Hot A $\emptyset$
Red = Hot B Ø
Blue = Hot C Ø
White = Neutral
Green = Ground



	Multiple Conductor Cable Assemblies								
Catalog No.	Plug (male)	Connector (female)	OAL ft	Cord	Amps	Camlok Color Code			
PC4MF25-C			25	#4 W 600V					
PC4MF50-C			50	#4 W 600V	80				
PC4MF100-C	Camlok	Camlok	100	#4 W 600V		All - Black, Red,			
PC2MF25-C	Carniok	Carniok	25	#2 W 600V		Blue, White, Green			
PC2MF50-C			50	#2 W 600V	100				
PC2MF100-C	00-C		100	#2 W 600V					



# Big-E Jr™ Series - 200 Amp Power Distribution

Big power in a small compact sized PDU is what the Big-E Jr. is all about. Designed for quick, easy-to-connect, code compliant distribution for indoor or outdoor venues and jobsites, the Big-E Jr. Portable PDU is the choice for your power needs. The award winning Combo Panel design is NEMA 3R In Use Rain rated and withstands heavy and windblown rain environments. With all the configurations of circuits to choose from, you are sure to find the PDU that meets your needs.

- NEMA 3R Rain In Use Rated
- Exclusive Combo Panel Design puts receptacles and breakers under one cover
- No small flip covers to break
- All Steel construction with powder coating inside and out
- Heavy Duty, yet light, steel welded frame lasts event after event
- 24/7 Safety Monitoring with the Exclusive I.P.D.M. module
- · Camlok input connection on rear panel makes hookup easy and quick





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to electrical codes.

15

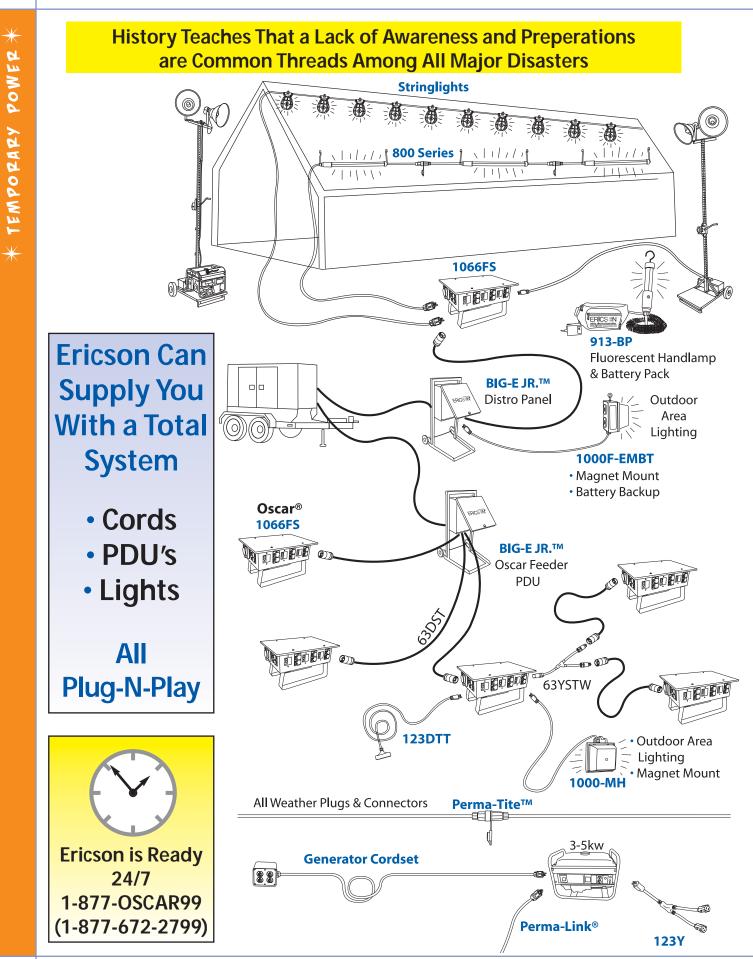
# Big-E<sup>™</sup> Jr.

Catalog Number	Voltage	Phase	Male Inlet Type	Female Mains Feed Thru	MCB Installed (See important note below)	Safety Monitor IPDM Installed	Receptacles Installed	Circuit & Personnel Protection
BE1-T50CM1080	240	1	CS6375 Twistlock		YES	YES (4 LED)	(8) NEMA 5-15/20 T Slot GFI DPLX	(8) GFCI DPLX
BE1-T50CM1120	240	1	CS6375 Twistlock		YES	YES (4 LED)	(12) NEMA 5-15/20 T Slot DPLX	(12) GFCI C.B.
BE1-CAMCL1061	240	1	CAM SET (4)		n/r	YES (4 LED)	(6) NEMA 5-15/20 T Slot DPLX (1) CS6369	(6) GFCI C.B. &(1) 50A C.B.
BE1-CAMCL1062	240	1	CAM SET (4)		n/r	YES (4 LED)	(6) NEMA 5-15/20 T Slot DPLX (2) CS6369	(6) GFCI C.B. &(2) 50A C.B.
BE1-CAMCL1120	240	1	CAM SET (4)		n/r	YES (4 LED)	(12) NEMA 5-15/20 T Slot GFI DPLX	(12) GFCI DPLX
BE1-CAMCL1180	240	1	CAM SET (4)		n/r	YES (4 LED)		(18) GFCI C.B.
BE1-CAM2CL1063	240	1	CAM SET (4)	CAM SET (4)	n/r	. ,	(6) NEMA 5-15/20 T Slot DPLX (3) CS6369	(6) GFCI C.B.,(3) 50A C.B.
BE1-CAM2CL1120	240	1	CAM SET (4)	CAM SET (4)	n/r	YES (4 LED)	(12) NEMA 5-15/20 T Slot GFI DPLX	(12) GFCI DPLX
BE1-CAM2CL1180	240	1	CAM SET (4)	CAM SET (4)	n/r	YES (4 LED)	(18) NEMA 5-15/20 T Slot DPLX	(18) GFCI C.B.
BE1-CAMCL3003	208	3	CAM SET (5)		n/r	YES (5 LED)	(3) CS6369 "Oscar Feeder"	(3) 50A C.B.
BE1-CAMCL3006	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) CS6369 "Oscar Feeder"	(6) 50A C.B.
BE1-CAMCL3040L	208	3	CAM SET (5)		n/r	YES (5 LED)	(4) L21-20	(4) 3P 20A C.B.
BE1-CAMCL3060L	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) L21-20	(6) 3P 20A C.B.
BE1-CAMCL3060TT	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) TT-30	(6) 30A 2P C.B.
BE1-CAMCL3061	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) NEMA 5-15/20 T Slot DPLX(1) CS6369	(6) GFCI C.B. &(1) 50A C.B.
BE1-CAMCL3062	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) NEMA 5-15/20 T Slot DPLX(2) CS6369	(6) GFCI C.B. &(2) 50A C.B.
BE1-CAMCL3063	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) NEMA 5-15/20 T Slot DPLX(3) CS6369	(6) GFCI C.B. &(3) 50A C.B.
BE1-CAMCL3120	208	3	CAM SET (5)		n/r		(12) NEMA 5-15/20 T Slot GFI DPLX	(12) GFCI DPLX
BE1-CAMCL3180	208	3	CAM SET (5)		n/r	YES (5 LED)	(18) NEMA 5-15/20 T Slot DPLX	(18) GFCI C.B.
BE1-CAM2CL3006	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)		(6) 50A C.B.
BE1-CAM2CL3060L	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(6) L21-20	(6) 3P C.B.
BE1-CAM2CL3060TT	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(6) TT-30	(6) 30A 2P C.B.
BE1-CAM2CL3063	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(6) NEMA 5-15/20 T Slot DPLX (3) CS6369	(6) GFCI C.B. &(3) 50A C.B.
BE1-CAM2CL3120	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(12) NEMA 5-15/20 T Slot GFI DPLX	(12) GFCI DPLX
BE1-CAM2CL3180	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(18) NEMA 5-15/20 T Slot DPLX	(18) GFCI C.B.

\* MCB = Main Circuit Breaker - n/r = Not Required due to the calculation that the installed number of fully loaded circuits will not overload the incoming power. Protect the PDU upstream at the feeder panel.

# For complete detail drawings see our website





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# HURRICANES TORNADOS **FLOODS**

EARTHOUAKES



# Site Planning & 24/7 Service

- 24/7 Hotline service Quick response and
- local support • We can help you plan and layout your needs
- We are Temp Power and Lighting Experts On the job since 1918

# Big-E™ <u>Jr.</u>



- 200+ Amp Panel BIG POWER/compact size GFCI protection • NEMA 3R rainproof - tested in use Exclusive front cover with folding side flaps design Plug-N-Play design Exclusive IPDM power indicator
  - Wheeled EZ moving frame design
  - Many standard models
  - to choose from or custom designs





- NEMA 3R rated for outdoor use • Each NEMA 5-20 outlet is
- individually GFCI protected with open neutral protection Flip covers protects outlets from
- damage & the weather.
- · Heavy duty powder coated body · Flip up door protects circuit
- breakers from damage & weather 50A cordset for Oscar®

# **Generator GFCI Cordset**



- Rubberized Box eliminates "hot" un-grounded dangerous metal quad boxes
- Heavy Duty Perma-Link<sup>™</sup> Pluq with rubberized body and nickel plated blades
- Heavy Duty SJ & SO cord GFCI Protection - GFCI 5-20
- Duplexes protecting 5-20 duplex receptacles Heavy Duty cord strain relief at box
- stands up to rough duty • 2, 25, 50 and 100 ft cord lengths

# Stringlights

- Meets OSHA construction site requirements 1926.405(a)(2)(ii)(E&F)
- Meets NEC requirements for temporary lighting
- Easy relamping with nonconductive, snap-open cage guard
- Built-in hanger for easy installation with messenger cable or hooks
- Many styles to choose from - indoor or outdoor



## 913-BP

- · Watertight construction with push button switch
- Heavy duty hard use 13 watt PL 13 twin tube Fluorescent hand lamp
- Heavy duty hard use cord 24" retracted length 1:5 ratio (10 ft. ext.)
- Strong wide belt with heavy duty use bag - fits up to 50" waist
- Long use battery gives up to 6 hours with full charge
- Lightweight only 5.5 lbs 120VAC 60 HZ wall plug-in
- charger 12VDC out 1.2Å

#### 1000-MH

- 120V/60Hz, 70W metal halide
- UL & cUL listed
- · Suitable for wet locations
- Rugged, die-cast aluminum housing
- 6ft.#14/3 oil-resistant cable with molded-on 5-15 plug
- Heavy-duty magnet provides secure mounting on metal surfaces for hands-free operation
- Built-in carry handle
- Impact resistant, high-temperature lens with inner surface prisms for optimum light diffusion

# 832 Series

- 32 Watt miser green T8
- OSHA Compliant Meets OSHA regulations for wet locations
- Rated for demanding outdoor and in-plant environments
- Cool, glare-free light
- Lightweight-Construction with impact resistant tube shield.
- · Ballast in handle, so it's easy to move around the jobsite
- Rubberized non-conductive design

# Wiring Devices

- All NEMA types
  - Locking & straight
  - Dust tight to 6P submersible
  - All weather
  - Smart monitor devices
  - Solid brass connections



123 with Rain Guard

#### MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED.

WANY ERICSON PRODUCTS ARE LISTED ON GENTINED. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.





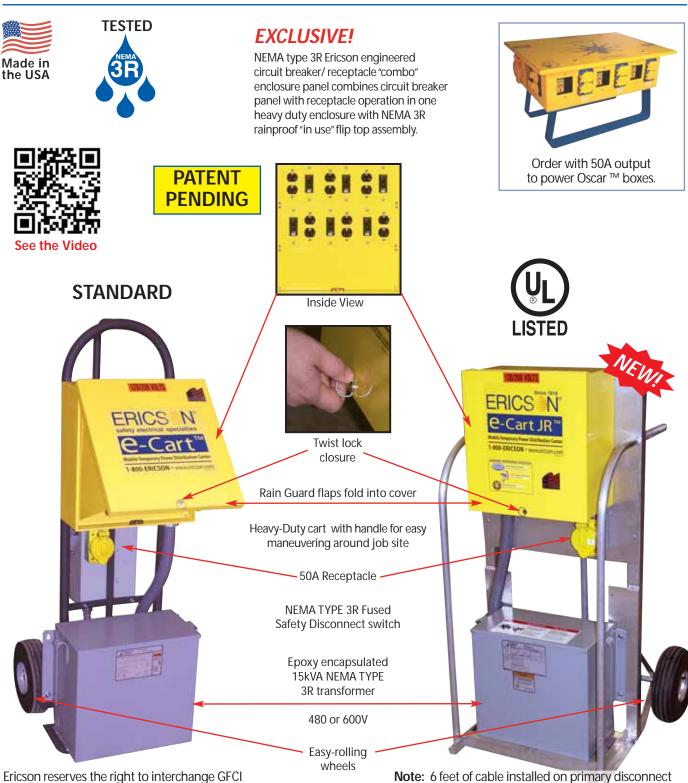


# **e-Cart™ Jr. -** Mobile Transformer Power Distribution Center

The e-Cart Jr. $^{m}$ , Mobile Temporary Power Distribution Centers for your jobsite. The basic construction consists of a:

- 480V, 3 phase or single phase 60Hz power input
- 15kVA encapsulated transformer
- Output power options: 120Y/208V with 3-phase transformer or 120V/240V with single-phase transformer
- Combo load center with GFCI circuit breakers
- NEMA TYPE 3R main disconnect switch
- 480V ➡ e-Cart<sup>™</sup> Jr. ➡ OUT 120V

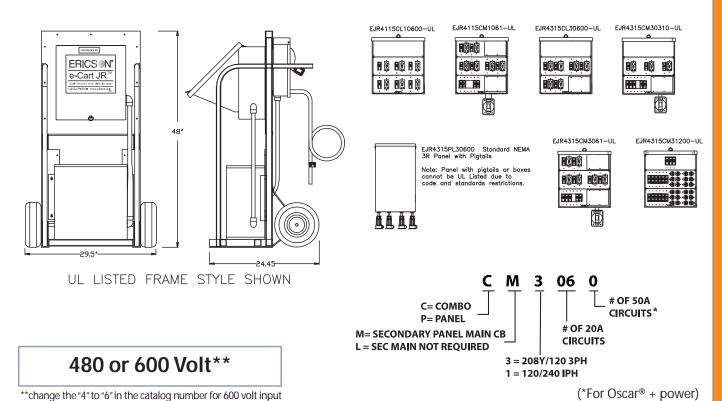
Outdoor Rated



Ericson reserves the right to interchange GFC circuit breakers with GFCI receptacles

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sized to transformer. UL Models Only (not shown).



\*\*change the "4" to "6" in the catalog number for 600 volt input

	INPUT POWER				S	econdary I	nfo	OUTPUT CONNE	CTIONS	
Catalog No.	Voltage IN	Phase	Primary Connection	Transformer Size (kVA)	Secondary Voltage OUT	Secondary Panel MCB Installed*	Panel and Connections Style**	Receptacles Installed	Circuit & Personnel Protection	UL Listed
EJR4115CL10600-UL	480	1	6 ft SOW Blunt	15	120/240	n/r	С	(6) 5-15/20 T Slot GFCI DPLX	(6) 20A STD BRKRS	YES
EJR4115CM1061-UL	480	1	6 ft SOW Blunt	15	120/240	YES	С	(6 )5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	50A ZP C.B (6) 20A STD BRKRS	YES
EJR4315CL30600-UL	480	3	6 ft SOW Blunt	15	120/208Y	n/r	С	(6) 5-15/20 T Slot GFCI DPLX	(6) 20A STD BRKRS	YES
EJR4315CM30310-UL	480	3	6 ft SOW Blunt	15	120/208Y	YES	С	(3) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	(3) 20A STD BRKRS & (1) 50A 2P C.B.	YES
EJR4315CM3061-UL	480	3	6 ft SOW Blunt	15	120/208Y	YES	С	(6) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	(6) 20A STD BRKRS & (1) 50A 2P C.B.	YES
EJR4315CM31200-UL	480	3	6 ft SOW Blunt	15	120/208Y	YES	С	(12) 5-15/20 T Slot DPLX	(12) 20A GFCI C.B.	YES
EJR4115CL10600	480	1	Hardwire In	15	120/240	n/r	С	(6) 5-15/20 T Slot GFCI DPLX	(6) 20A STD BRKRS	Mfg*
EJR4115CM1061	480	1	Hardwire In	15	120/240	YES	С	(6) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	50A ZP C.B (6) 20A STD BRKRS	Mfg*
EJR4115PL10600	480	1	Hardwire In	15	120/240	n/r	С	(6) 5-15/20R T Slot (1612-CW6P) PGTLS	(6) 20A GFCI C.B.	Mfg*
EJR4315CL30600	480	3	Hardwire In	15	120/208Y	n/r	С	(6) 5-15/20 T Slot GFCI DPLX	(6) 20A STD BRKRS	Mfg*
EJR4315CM30310	480	3	Hardwire In	15	120/208Y	YES	С	(3) 5-15/20 T Slot GFCI DPLX & (1) CS6369	(3) 20A STD BRKRS & (1) 50A 2P C.B.	Mfg*
EJR4315CM3061	480	3	Hardwire In	15	120/208Y	YES	С	(6) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	(6) 20A STD BRKRS & (1) 50A 2P C.B.	Mfg*
EJR4315CM31200	480	3	Hardwire In	15	120/208Y	YES	С	(12) 5-15/20 T Slot DPLX	(12) 20A GFCI C.B.	Mfg*
EJR4315PL30600	480	3	Hardwire In	15	120/208Y	n/r	Р	(6) 5-15/20R T Slot (1612-CW6P) PGTLS	(6) 20A GFCI C.B.	Mfg*
EJR4315PL3060L	480	3	Hardwire In	15	120/208Y	n/r	Р	(6) L5-20R LKG PGTLS	(6) 20A GFCI C.B.	Mfg*
EJR4315PM30310	480	3	Hardwire In	15	120/208Y	YES	Р	(3) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A9	(3) 20A GFCI C.B. & (1) 50A 2P C.B.	Mfg*
EJR4315PM3120	480	3	Hardwire In	15	120/208Y	YES	Р	(12) 5-15/20R T Slot (1612-CW6P) PGTLS	(12) 20A GFCI C.B.	Mfg*
EJR4315PM3120L	480	3	Hardwire In	15	120/208Y	YES	Р	(6) L5-20R LKG PGTLS	(6) 20A GFCI C.B.	Mfg*

\*MFG = Assembled from listed or certified components - assembled cart is not listed.

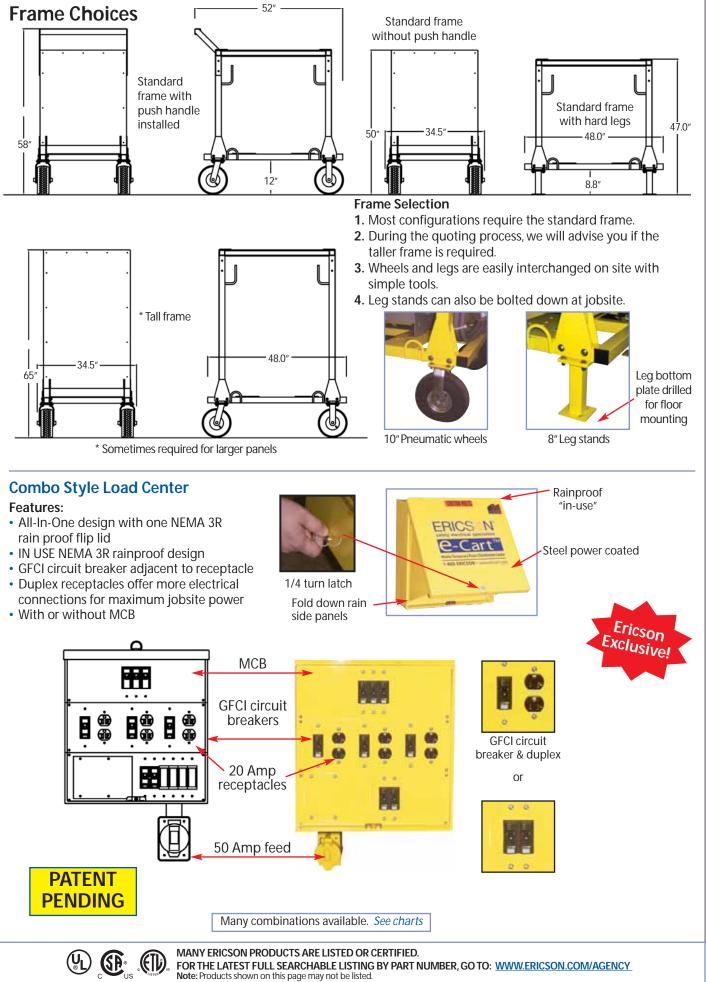


\* TEMPOPARY POWER \*

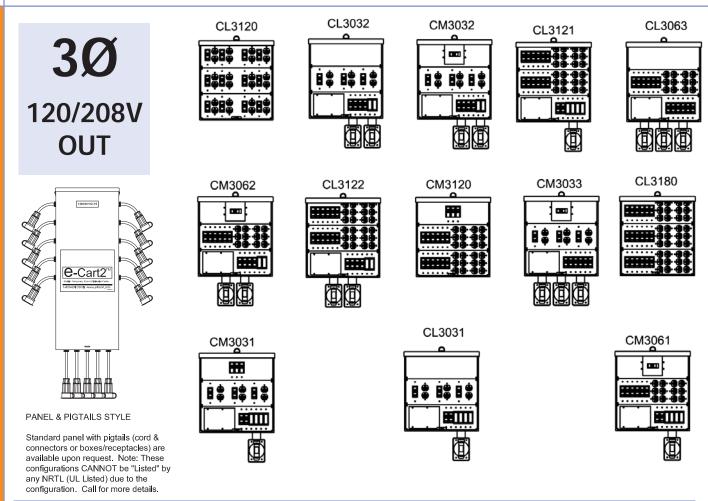
The e-Cart 2<sup>™</sup>Mobile Temporary Power Distribution Centers for your jobsite.



# e-Cart 2<sup>™</sup> - Mobile Transformer Power Distribution Center



# e-Cart 2<sup>™</sup> - Mobile Transformer Power Distribution Center

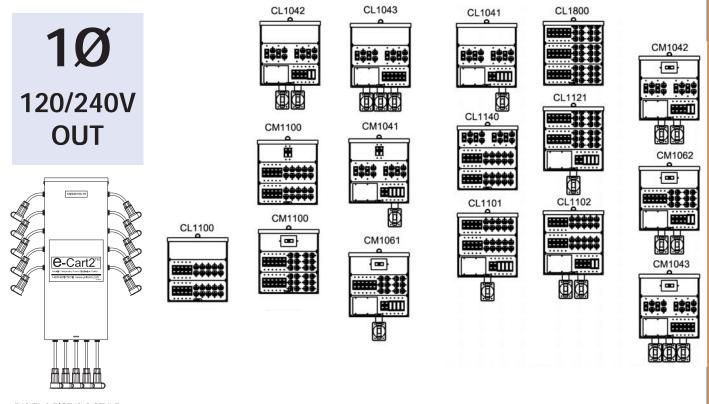


	3 Phase 120/208V Secondary Configuration Selections									
Secondary Output Configuration	Panel or Ericson Combo Enclosure	Secondary Panel Main Circuit Breaker	# of 20 amp 120V Circuits NEMA 5-20R	# of 50 amp Oscar Feed circuits C56369 Twistlock	Sized for Transformer KVA					
CL3120			12 *	0	30 KVA					
CL3031			3 *	1	30 KVA					
CL3180			18 *	0	45 KVA					
CL3121	Combo	No	12 *	1	45 KVA					
CL3032			3 *	2	45 KVA					
CL3122			12 *	2	75 KVA					
CL3063			6 *	3	75 KVA					
CM3120			12 *	0	30 KVA					
CM3031			3 *	1	30 KVA					
CM3061	Combo	Yes	6 *	1	45 KVA					
CM3032			3 *	2	45 KVA					
CM3062			6 *	2	75 KVA					

\* Duplex 5-20R on combo panels

\* TEMPORARY POWER \*

# e-Cart 2<sup>™</sup> - Mobile Transformer Power Distribution Center



PANEL & PIGTAILS STYLE

Standard panel with pigtails (cord & connectors or boxes/receptacles) are available upon request. Note: These configurations CANNOT be "Listed" by any NRTL (UL Listed) due to the configuration. Call for more details.

	1 Phase 120/240V Secondary Selections									
Secondary Output Configuration	Panel or Ericson Combo Enclosure	Secondary Main Circuit Breaker	# of 20 amp 120V circuits	# of 50 amp Oscar® Feed circuits	Sized for Transformer KVA					
CL1100			10	0	25 KVA					
CL1041			4	1	25 KVA					
CL1140			14	0	37.5 KVA					
CL1101			10	1	37.5 KVA					
CL1042	Combo	No	4	2	37.5 KVA					
CL1180			18	0	50 KVA					
CL1121			12	1	50 KVA					
CL1102			10	2	50 KVA					
CL1043			4	3	50 KVA					
CM1100			10	0	25 KVA					
CM1041			4	1	25 KVA					
CM1120			12	0	37.5 KVA					
CM1061	Combo	Yes	6	1	37.5 KVA					
CM1042			4	2	37.5 KVA					
CM1062			6	2	50 KVA					
CM1043			4	3	50 KVA					



**Need a custom e-cart2?** We can modify our base design and build a custom e-cart2 to your specifications. Provide us with the changes and any customization specs you would like and let us provide you with a solution today! Call us for details and own your own customized quality built e-cart2.

# Customizations available:

- Input Primary switchgear
- Output Secondary Panels and receptacles
- Color
- Labeling and Branding
- Much, much, more...

# **e**-Cart 2<sup>™</sup>



EC	2 _			How To Order		
Frame S- Standar H - Hi-boy Wheels/Le	tall					ERICS N° www.ericson.com 1-800-ERICSON
P - Pneum S - Solid 10 L - 8" leg st	atic 10″ D″ rubber					Fax This Sheet
Push Han H - With ha X - No han	andle	$\vdash$				1-440-951-1867
(Note: Har	ndle not availa					1 110 /01 100/
Power Input Main	No Extra Primary Disconnect Or Welder	480V 48 48 600V	80V, 45 80V, 75 80V, 11 80V, 11 90V, 30	KVA w/60A Main Disconnect Switch KVA w/ 100A Main Disconnect Switch KVA w/ 200A Main Disconnect Switch 2.5 KVA w/ 200A Main Disconnect Switch KVA w/ 60A Main Disconnect Switch KVA w/ 60A Main Disconnect Switch	43030XX 43045XX 43075XX 43112XX 63030XX 63045XX	or e-mail to: quotes@ericson.com
Feed	Receptacles With Extra Primary	480V	00V, 11 30V, 30 30V, 30 30V, 45 30V, 45 30V, 45	KVA w/ 100A Main Disconnect Switch 2.5 KVA w/ 200A Main Disconnect Switch KVA w/ 100A Main Disconnect Switch, 30A AUX Switch* KVA w/ 100A Main Disconnect Switch, 30A AUX Switch, 30A Welding Recp KVA w/ 200A Main Disconnect Switch, 30A AUX Switch KVA w/ 200A Main Disconnect Switch, 60A AUX Switch KVA w/ 200A Main Disconnect Switch, 30A AUX Switch, 30A Welding Recp KVA w/ 200A Main Disconnect Switch, 30A AUX Switch, 60A Welding Recp KVA w/ 200A Main Disconnect Switch, 60A AUX Switch, 60A Welding Recp	43045A3 43045A6 t 43045W3	
Phase 4W	Disconnect and/or Welder Receptacles*	48 48 60 60 60 60 60 60 60	30V, 75 30V, 75 00V, 30 00V, 45 00V, 45 00V, 45	KVA w/ 200A Main Disconnect Switch, 60A AUX Switch KVA w/ 200A Main Disconnect Switch, 60A AUX Switch KVA w/ 200A Main Disconnect Switch, 30A AUX Switch KVA w/ 200A Main Disconnect Switch, 30A AUX Switch KVA w/ 200A Main Disconnect Switch, 60A AUX Switch KVA w/ 200A Main Disconnect Switch, 30A AUX Switch KVA w/ 200A Main Disconnect Switch, 30A AUX Switch KVA w/ 200A Main Disconnect Switch, 60A AUX Switch	43075A6	Delivery Date Required:
Power Input Main	No Extra Primary Disconnect or Welder Receptacles	480	48 48 60	W, 25 KVA w/ 100A Main Disconnect Switch W, 37.5 KVA w/ 100A Main Disconnect Switch W, 50 KVA w/ 200A Main Disconnect Switch W, 25 KVA w/ 60A Main Disconnect Switch W, 37.5 KVA w/ 100A Main Disconnect Switch	41025XX 41037XX 41050XX 61025XX 61037XX	Quantity:
Feed	With Extra Primary Disconnect	480	48 48 48	V/, 50 KVA w/ 100 Main Disconnect Switch V/, 25 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch V/, 37.5 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch V/, 37.5 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch V/, 25 KVA w/ 100A Main Disconnect Switch, 30A AUX Switch	61050XX 41025A3 41037A3 41037A6 61025A3	Questions?
Phase 3W	and/or Weld Receptacles	. 000	60 60 60	W, 37.5 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch W, 50 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch W, 50 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch W, 50 KVA w/ 200A Main Disconnect Switch, 100A AUX Switch	61037A3 61050A3 61050A6 61050A1	Call Us 1-800-ERICSON
·	nain circuit break		5	ections.		(374-2766)
	ry Outlet Sele					
3 Phase -	ode From Pag	es 13 & 1	4			
1 Phase -	-					
	-			ALL INFORMATION BELOW MUST BE COM	PLETE	
Name:				Contact Phone:		
Job/Projec	:t:					
City:				State:		Zip:

Where the two the second secon

# Available from Ericson...Oscar® Box Temporary Power Distribution Units

Versatile protection for your jobsite, the Oscar<sup>®</sup> box is available in many standard GFCI protected configurations or contact the factory for a custom need.

# **Typical Applications Include:**

- Industrial, commercial and residential construction projects
- · General maintenance and repair work (MRO) in industrial facilities
- Temporary power distribution at carnivals, circuses, fairs & similar events
- · Convention centers to distribute power for exhibitions & maintenance
- Photo studios to distribute power to flash & other photographic equipment

# **1066 Series Basic Contractor PDU Features:**

- · CS6375 50Amp, 125/250V power inlet.
- · Six(6) NEMA 5-20 (20A,125V) straight blade duplex receptacles with circuit breaker and GFCI protection.
- Each NEMA 5-20 outlet is individually GFCI protected.
- One(1) NEMA L6-30(30A,250V) locking outlet with circuit breaker protection.
- 50A, 125/250V power outlet.
- · Indoor & outdoor models.

# **1067-LC Series Industrial PDU Features:**

- CS6375 50Amp, 125/250V power inlet.
- FS series weather-resistant flip seal outlet covers protect each outlet. Use with Ericson's Perma-Tite<sup>®</sup> plug to provide maximum weather resistance.
- Six(6) NEMA 5-20 (20A,125V) straight blade receptacles with circuit breaker and GFCI protection.
- · Each NEMA 5-20 outlet is individually GFCI protected.
- One(1) NEMA L6-30(30A,250V) locking outlet with circuit breaker protection.
- 50A, 125/250V power outlet.
- · Indoor & outdoor models.

# **1067 Series Deluxe Electronic Industrial PDU Features:**

- CS6375 50Amp, 125/250V power inlet.
- Input power diagnostic module (IPDM), adjacent to power inlet, provides visual indication of supply power status - easy to read chart for quick reference. Standard on all models and field replaceable.
- Exclusive voltage monitor modules (VMM) continuously monitors voltage if supply voltage falls outside of safe operating range VMM disconnects power to GFCIs/outlets.
- · Polycarbonate window allows you to quickly see status of each circuit breaker.
- Each NEMA 5-20 outlet is individually GFCI protected.

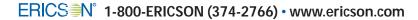
# 1068 Series 3 Phase 208V PDU Features:

- Choice of main inlet types IEC309 power-inlet and power-outlet or camlok
- Exclusive IPDM module installed
- GFCI or non-gfci circuit breakers available
- Receptacles protected by Ericson's FS Series flip seal covers
- Camlok inputs available









Ericson P/N	Page #	Electrical Rating	Receptacle Flip Covers	GFCI & C.B. Protected 20A Circuits	NON- GFCI 30A C.B.	GFCI C.B. For 30A Circuit	5-20R Duplexes	L6-30R Single Recpt	5-20R Straight Recpts	L5-20R Recpts (Single)	Daisy Chain Feed Thru Recpt W/ Flip Cover	IPDM module	VMM modules
1066	21-22	125/250V 1PH 4W 50A		Ø	Ø		6	1					
1066-B	21-22	125/250V 1PH 4W 50A		Ø		Ø	6	1			Ø		
1066FS	21-22	125/250V 1PH 4W 50A	V	Ø	Ø		6	1			Ø		
1066-BFS	21-22	125/250V 1PH 4W 50A	V	V		Ø	6	1			V		
1067-LC	23-24	125/250V 1PH 4W 50A		V	Ø			1	6		V		
1067-ALC	23-24	125/250V 1PH 4W 50A			Ø			1		6	V		
1067-BLC	23-24	125/250V 1PH 4W 50A	V	Ø		V		1	6		Ø		
1067-CLC	23-24	125/250V 1PH 4W 50A	V	V		V		1		6	V		
1067- LCNF	23-24	125/250V 1PH 4W 50A		Ø	Ø			1	6		Ø		
1067- ALCNF	23-24	125/250V 1PH 4W 50A		Ø	Ø			1		6	M		
1067- BLCNF	23-24	125/250V 1PH 4W 50A		V		Ø		1	6		V		
1067- CLCNF	23-24	125/250V 1PH 4W 50A		Ø		V		1		6	V		
1067	25-26	125/250V 1PH 4W 50A	V	Ø	Ø			1	6		Ø	Ø	Ø
1067-A	25-26	125/250V 1PH 4W 50A	V	V	V			1		6	Ø	Ø	Ø
1067-В	25-26	125/250V 1PH 4W 50A	V	Ø		Ø		1	6		Ø	Ø	Ø
1067-C	25-26	125/250V 1PH 4W 50A	V	V		Ø		1		6	Ø	Ø	Ø
3 PHASE	27-28							L21-20	5-20	L5-20			
1068	27-28	208Y/120V 3PH 5W 60A	V	Ø					6		Ø	Ø	
1068-A	27-28	208Y/120V 3PH 5W 60A								6			
1068-C	27-28	208Y/120V 3PH 5W 125A	V	V					6		V	Ø	
1068-1	27-28	208Y/120V 3PH 5W 100A	V	Ø				2	4			V	
1068-1A	27-28	100A	V	V				2		4	V	Ø	
1068-1C	27-28	125A	V	Ø					6		V	V	



# Oscar® Temporary Power Distribution Centers - 1066 Series

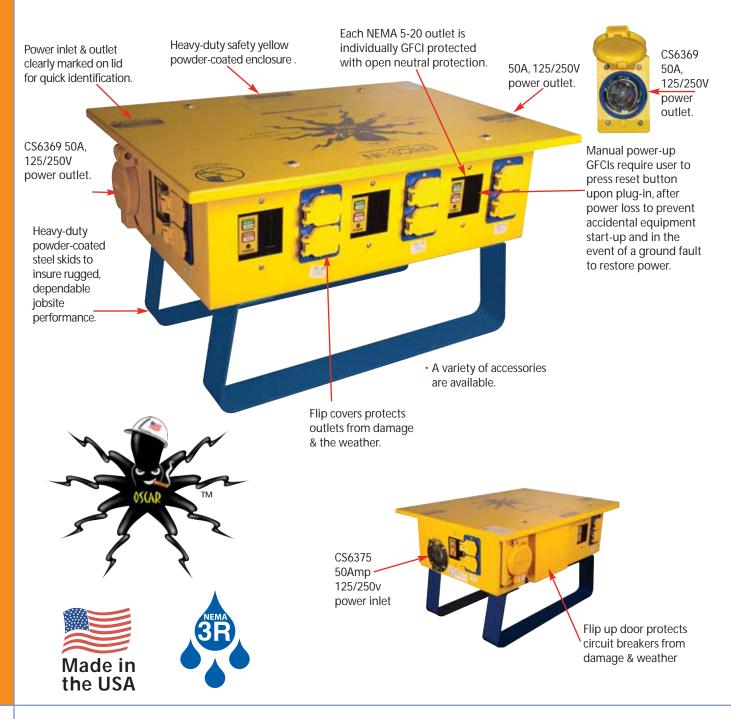
#### The 1066 Oscar® Box, Temporary Power Distribution Unit for your jobsite.

#### **Typical Applications Include:**

- Industrial, commercial and residential construction projects
- · General maintenance and repair work (MRO) in industrial facilities
- Temporary power distribution at carnivals, circuses, fairs & similar events
- · Convention centers to distribute power for exhibitions & maintenance
- · Photo studios to distribute power to flash & other photographic equipment



- Unit is field repairable by qualified personnel. Parts list and wiring diagram appear on underside of lid.
- Product label with clear markings for easy identification of model number, serial number and specifications.



### **Selection Guide**

Catalog Number	1066	1066-B	1066-FS	1066-BFS
Electrical Rating	50A 125/250V	50A 125/250V	50A 125/250V	50A 125/250V
	6250W/12500W	6250W/12500W	6250W/12500W	6250W/12500W
Enclosure	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated
Environmental/NEMA Rating	Indoor Use Only	Indoor Use Only	Indoor/Outdoor 3R	Indoor/Outdoor 3R
Receptacles				
A Type (6 per box)	NEMA 5-20 T Slot Duplex (125V 20A)			
Qty.	6	6	6	6
GFCI Protection	Yes	Yes	Yes	Yes
Overload Protection	Yes - 1P 20A C.B. (1 per Duplex)			
Flip Covers	No	No	Yes	Yes
B Type (1 Per Box)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)
Qty.	1	1	1	1
240V GFCI Protection	No	Yes	No	Yes
Overload Protection	Yes - 2P NON-GFCI	Yes - 2P GFCI	Yes - 2P NON-GFCI	Yes - 2P GFCI
Flip Covers	No	No	Yes	Yes
Main Power Inlet	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)
Inlet Flip Cover	No	No	Yes	Yes
Main Power Outlet (Mains Feed Thru)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)
Mains Feed thru Flip Cover	Yes	Yes	Yes	Yes
Weight (Ibs.)	34	34	36	36
Dimensions	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W
	x 11.75"H	x 11.75"H	x 11.75"H	x 11.75"H

1. Contact factory for custom assemblies

#### **Accessories**

Cat. Number	Description
63DS0 <sup>(1)</sup>	Cord set, 100', #6/3 - 8/1 SO 50A 125V/250V
63BS0 <sup>(1)</sup>	Cord set, 50', #6/3 - 8/1 SO 50A 125V/250V
SR50	Power Outlet Receptacle in weatherproof box with lift cover and 24" leads 50A, 125V/250V

<sup>(1)</sup> Also available as a secondary cable assembly - cord with connector only - to hard wire into your power source.







63YSTW

# See Our Complete Line of 50Amp Power Cords in the Power Cord Section



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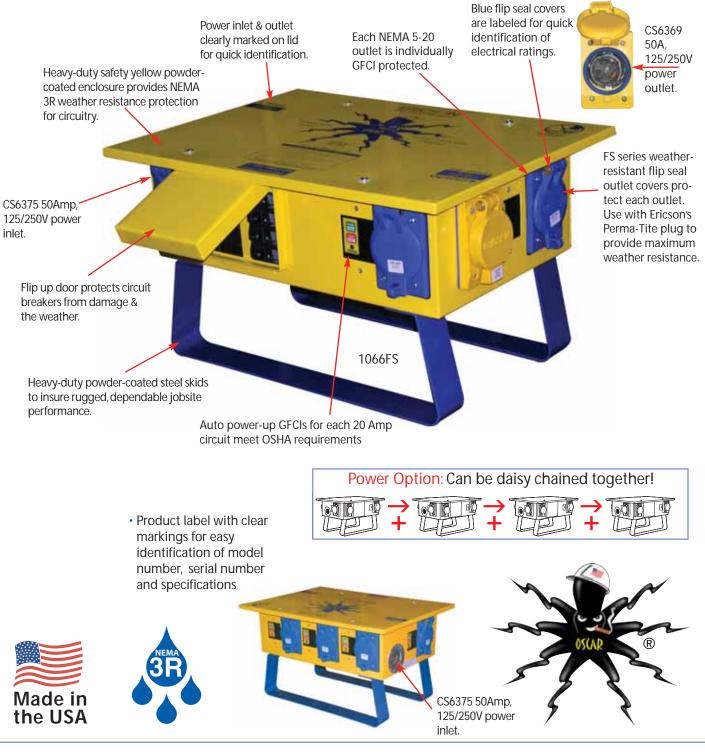
#### The 1067-LC Oscar® Box, Temporary Power Distribution Unit for your jobsite.

#### **Typical Applications Include:**

- Industrial, commercial and residential construction projects
- · General maintenance and repair work (MRO) in industrial facilities
- Temporary power distribution at carnivals, circuses, fairs & similar events
- Convention centers to distribute power for exhibitions & maintenance
  Photo studios to distribute power to flash & other photographic equipment

Meets OSHA & NEC Codes for jobsites <u>and</u> carnivals, fairs and outdoor events.

• Unit is field repairable by qualified personnel. Parts list and wiring diagram appear on underside of lid.



#### **Selection Guide**

Catalog Number	1067-LC*	1067-ALC*	1067-BLC*	1067-CLC*
Electrical Rating	50A 125/250V	50A 125/250V	50A 125/250V	50A 125/250V
	6250W/12500W	6250W/12500W	6250W/12500W	6250W/12500W
Enclosure	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated
Environmental/NEMA Rating	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R
Receptacles				
A Type (6 per box)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)
Qty.	6	6	6	6
GFCI Protection	Yes	Yes	Yes	Yes
Overload Protection	Yes - 1P 20A C.B. (1 per Receptacle)			
Flip Covers	No	No	Yes	Yes
B Type (1 Per Box)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)
Qty.	1	1	1	1
240V GFCI Protection	No	No	Yes	Yes
Overload Protection	Yes - 2P NON-GFCI	Yes - 2P NON-GFCI	Yes - 2P GFCI	Yes - 2P GFCI
Flip Covers	Yes	Yes	Yes	Yes
Main Power Inlet	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)
Inlet Flip Cover	Yes	Yes	Yes	Yes
Main Power Outlet (Mains Feed Thru)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)
Mains Feed thru Flip Cover	Yes	Yes	Yes	Yes
Weight (lbs.)	35	35	37	37
Dimensions	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W
	x 11.75"H	x 11.75"H	x 11.75"H	x 11.75"H

\* NF models are rated for INDOOR ONLY and do not have flip covers installed.

#### **Accessories**

Cat. Number	Description
63DS0 <sup>(1)</sup>	Cord set, 100', #6/3 - 8/1 SO 50A 125V/250V
63BS0 <sup>(1)</sup>	Cord set, 50', #6/3 - 8/1 SO 50A 125V/250V
SR50	Power Outlet Receptacle in weatherproof box with lift cover and 24" leads 50A, 125V/250V

<sup>(1)</sup> Also available as a secondary cable assembly - cord with connector only - to hard wire into your power source.





#### See Our Complete Line of 50Amp Power Cords in the Power Cord Section



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#### The 1067 Oscar<sup>®</sup> Box, Temporary Power Distribution Unit for your jobsite.

#### **Typical Applications Include:**

- · Industrial, commercial and residential construction projects
- · General maintenance and repair work (MRO) in industrial facilities
- Temporary power distribution at carnivals, circuses, fairs & similar events
- Convention centers to distribute power for exhibitions & maintenance
- Photo studios to distribute power to flash & other photographic equipment

Unit is field repairable by qualified personnel. Parts list and wiring diagram appear on underside of lid.

CS6369 Heavy-duty safety, yellow powder-Yellow flip seal covers Each NEMA 5-20 50A, coated enclosure provides NEMA Power inlet & outlet are labeled for quick outlet is individually 125/250V 3R weather resistance protection clearly marked on lid identification of GFCI protected. power for circuitry. for quick identification. electrical ratings. outlet. FEATURE Input power FS series weatherdiagnostic resistant flip seal outlet module (IPDM) covers protect each (details below) outlet. Use with Ericson's Perma-Tite plug to provide maximum weather resistance. Auto power-up GFCIs for each 20 Amp circuit meet OSHA CS6375 50Amp, requirements 125/250V power inlet. Heavy-duty powdercoated steel skids to insure rugged, dependable jobsite Flip up door protects circuit performance. breakers from damage & FEATURE the weather. Threaded studs spot welded Polycarbonate window **Exclusive voltage** to inside of enclosure for allows you to quickly monitor mounting GFCIs minimizing see status of each modules (VMM) screw-heads on outside which circuit breaker. (details below) reduces number of areas to snag cords & clothing. VMM **IPDM** INPUT POWER DIAGNOSTIC MODULE LOW VOLTAGE SHUTDOWN This electronic module has detected low voltage on this phase and has shutdown the receptacles and GFCI modules connected. Correct this conditic before operating. The GFCI modules will not reset until this condition has been corrected. ect inty .... IPOM NO POWER or CORRECT HIGH VOLTAGE SHUTDOWN OCOO OPEN GND HOT2 / GND REV This electronic module has detected high voltage on this phase and has shutdown the receptacles and GFCI modules connected. Correct this conditic before operating. The GFCI modules will not reset until this condition has been corrected. **OOO OPEN NEUT** OSS HOT! / NEUT REV OBBO OPEN HOTI .... HOT1 / GND REV (NOPEN HOT2 OCO HOT2 / NEUT REV Input power diagnostic module Exclusive voltage monitor modules

(IPDM), adjacent to power inlet, provides visual indication of supply power status - easy to read chart for quick reference. Standard on all models and field replaceable.

(VMM) continuously monitors voltage - if supply voltage falls outside of safe operating range VMM disconnects power to GFCIs/ outlets.



Deluxe Version

#### **Selection Guide**

Catalog Number	1067	1067-A	1067-B	1067-C
Electrical Rating	50A 125/250V	50A 125/250V	50A 125/250V	50A 125/250V
	6250W/12500W	6250W/12500W	6250W/12500W	6250W/12500W
	Steel Welded	Steel Welded	Steel Welded	Steel Welded
Enclosure	Powder Coated	Powder Coated	Powder Coated	Powder Coated
Environmental/NEMA Rating	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R
Special Electronics Features Installed				
IPDM (Input Power Diagnostic Module) 24/7 LED indication of correct MAIN POWER connection	Yes - 1 per box - 4 LED (3 green and 1 Red)	Yes - 1 per box - 4 LED (3 green and 1 Red)	Yes - 1 per box - 4 LED (3 green and 1 Red)	Yes - 1 per box - 4 LED (3 green and 1 Red)
VMM (Voltage Monitor Module per phase) Causes GFCI circuits to open if voltage exceeds 150V or below 90V to protect equipment.	Yes - 2 per box (1 per hot line) each VMM controls 3 GFCI circuits	Yes - 2 per box (1 per hot line) each VMM controls 3 GFCI circuits	Yes - 2 per box (1 per hot line) each VMM controls 3 GFCI circuits	Yes - 2 per box (1 per hot line) each VMM controls 3 GFCI circuits
Receptacles				
A Type (6 per box)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)
Qty.	6	6	6	6
GFCI Protection	Yes	Yes	Yes	Yes
Overload Protection	Yes - 1P 20A C.B. (1 per Receptacle)			
Flip Covers	No	No	Yes	Yes
B Type (1 Per Box)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)
Qty.	1	1	1	1
240V GFCI Protection	No	No	Yes	Yes
Overload Protection	Yes - 2P NON-GFCI	Yes - 2P NON-GFCI	Yes - 2P GFCI	Yes - 2P GFCI
Flip Covers	Yes	Yes	Yes	Yes
Power Inlet	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)
Inlet Flip Cover	Yes	Yes	Yes	Yes
Power Outlet (Mains Feed Thru)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)
Mains Feed thru Flip Cover	Yes	Yes	Yes	Yes
Weight (lbs.)	35	35	37	37
Dimensions	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W
	x 11.75"H	x 11.75"H	x 11.75"H	x 11.75"H





#### **Accessories**

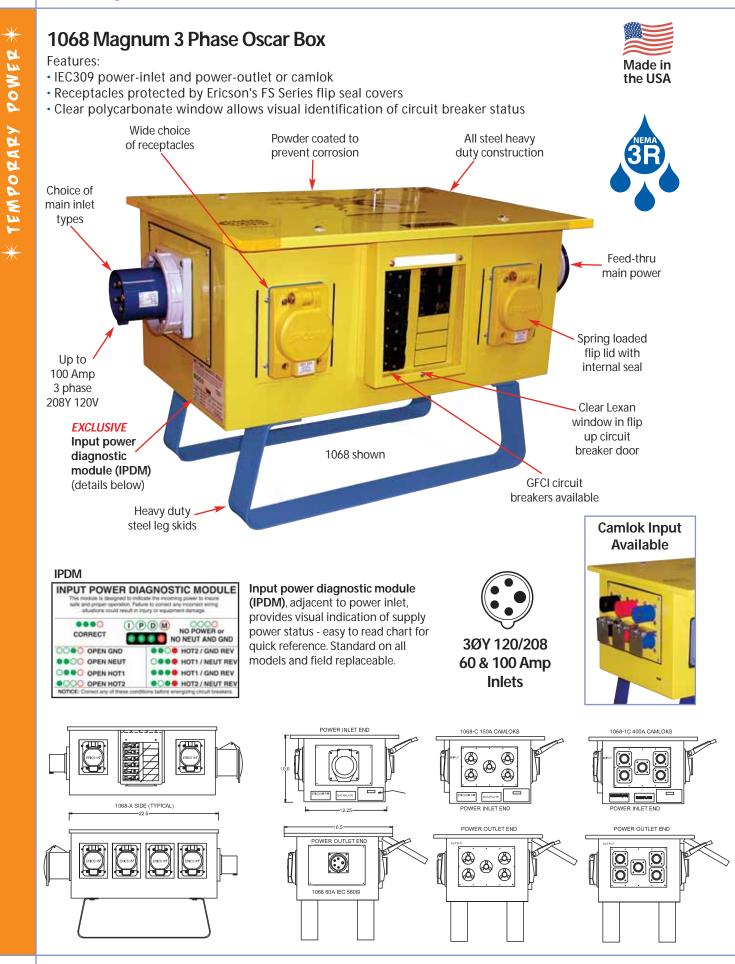
Cat. Number	Description
63DS0 <sup>(1)</sup>	Cord set, 100', #6/3 - 8/1 SO 50A 125V/250V
63BS0 <sup>(1)</sup>	Cord set, 50', #6/3 - 8/1 SO 50A 125V/250V
63DST	Cord set, 100', #6/3 & #8/1 (Gnd) 50A
63YSTW	Cord set, 3 ft. "Y"#6/3 & #8/1 (Gnd) 50A
SR50	Power Outlet Receptacle in weatherproof box with lift cover and 24" leads 50A, 125V/250V

 $^{\scriptscriptstyle (1)}$  Also available as a secondary cable assembly - cord with connector only - to hard wire into your power source.



See Our Complete Line of 50Amp Power Cords in the **Power Cord Section** 

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#### **Selection Guide**

Catalog Number	1068	1068-A	1068-C	1068-1	1068-1A	1068-1C
Electrical Rating	3 Ph 208Y/120 60A	3 Ph 208Y/120 60A	3 Ph 208Y/120 125A	3 Ph 208Y/120 100A	3 Ph 208Y/120 100A	3 Ph 208Y/120 125A
Enclosure	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated
Environmental/NEMA Rating	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R
Special Electronics Features Installed						
IPDM (Input Power Diagnostic Module) 24/7 LED indication of correct MAIN POWER connection	Yes - 1 per box - 5 LED (4 green and 1 Red)	Yes - 1 per box - 5 LED (4 green and 1 Red)	Yes - 1 per box - 5 LED (4 green and 1 Red)	Yes - 1 per box - 5 LED (4 green and 1 Red)	Yes - 1 per box - 5 LED (4 green and 1 Red)	Yes - 1 per box - 5 LED (4 green and 1 Red)
Receptacles						
А Туре	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)
Qty.	6	6	6	4	4	6
GFCI Protection	Yes	Yes	Yes	Yes	Yes	Yes
Overload Protection	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)
Flip Covers*	Yes	Yes	Yes	Yes	Yes	Yes
В Туре	n/a	n/a	n/a	NEMA L21-20R (208V 3PH 5W 20A)	NEMA L21-20R (208V 3PH 5W 20A)	n/a
Qty.	n/a	n/a	n/a	2	2	n/a
GFCI Protection	n/a	n/a	n/a	No	No	n/a
Overload Protection	n/a	n/a	n/a	Yes - 3P C.B. per circuit	Yes - 3P C.B. per circuit	n/a
Flip Covers*	n/a	n/a	n/a	Yes	Yes	n/a
Main Power Inlet	5W 208V 60A IEC 5 pin 56019 Configuration	5W 208V 60A IEC 5 pin 56019 Configuration	CAMLOKS (150 Amp size) 5 color Male L1,L2,L3,N,G	5W 208V 100A IEC 5 pin 5100I9 Configuration	5W 208V 100A IEC 5 pin 5100l9 Configuration	CAMLOKS, LARGE (400 Amp size) 5 color Male L1,L2,L3,N,G
Inlet Flip Cover	No	No	No	No	No	No
Main Power Outlet (Mains Feed Thru)	5W 208V 60A IEC 5 pin 560R9 Configuration	5W 208V 60A IEC 5 pin 560R9 Configuration	CAMLOKS (150 Amp size) 5 color Female L1,L2,L3,N,G	5W 208V 100A IEC 5 pin 5100R9 Configuration	5W 208V 100A IEC 5 pin 5100R9 Configuration	CAMLOKS, LARGE (400 Amp size) 5 color Female L1,L2,L3,N,G
Mains Feed thru Flip Cover	Yes	Yes	Yes - Individual flips per camlok	Yes	Yes	Yes - Individual flips per camlok
Weight (Ibs.)	42	42	44	44	44	46
Dimensions	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W
	x 16.25"H	x 16.25"H	x 16.25"H	x 16.25"H	x 16.25"H	x 16.25"H



65DSO

#### 65PGTL

Cat. Number	Rating	Length		Cord	Plug	Connector	
IEC Style Cordsets	Rung	(ft)	Size	Туре	r rag	oon needer	
65BSO 65DSO	60 A	50 100	#6/5	SO	4P 5W 60 Amp IEC 560P9E or equiv	4P 5W 60 Amp IEC 560C9E or equiv	
65PGTL-50 65PGTL-100	00 A	50 100	#0/5	30	Blunt - ROJ 12"		
45BSO 45DSO		50 100			4P 5W 100 Amp IEC 5100P9E or equiv		
45PGTL-25 45PGTL-50 45PGTL-100	100 A	25 50 100	#4/5	G	Blunt - ROJ 12"	4P 5W 100 Amp IEC 5100C9E or equiv	



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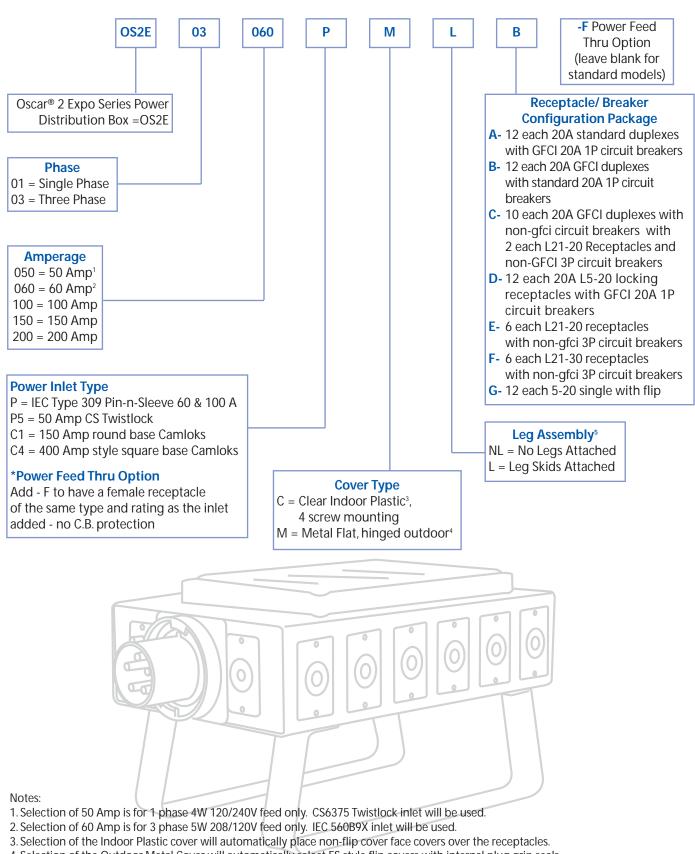
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When you need a temporary power distribution box that will meet your requirements, look to the Oscar® 2 Series from Ericson. The flexible design platform of the new Oscar® 2 allows you to configure a Temporary Power Distribution Center that is right for you. The Oscar® 2 Expo Series picks up where the 1066/1067 leaves off.



ERICS N° 1-800-ERICSON (374-2766) • www.ericson.com



#### **Oscar® 2 Expo Series Catalog Number Structure**



- 4. Selection of the Outdoor Metal Cover will automatically select FS style flip covers with internal plug grip seals.
- 5. Leg assemblies required for all outdoor events per NEC 525.



Ericson's Oscar® 2-Tactical Temporary Power Distribution Center is built to Military Requirements. Based on the award-winning Oscar® box, the Oscar® 2 has been customized to meet the demands of Military personnel. It features a military style Class L Inlet and Feed thru, Ericson exclusive Input Power Diagnostic Module (IPDM) both GFCI and non-GFCI outlets and all steel construction.

Tactical Oscar® (Jungle)

**OS2T-SB Full Green** 

Approved For All Military Units!

**ALL WEATHER** 

#### Tactical Oscar<sup>®</sup> 2

- 1. Military style class L inlet & feed through (60 or 100 Amp, 3ph or 1ph)
  - Ground lug for grounding rod use
  - Tactical color schemes (sand or green)
- 2. Outdoor use- wet or dry locations
  - Enclosure rated NEMA Type 3R- rainproof, suitable for use in damp locations
- IPDM indicator lights are recessed for tactical situations

Can Be Purchased with a Government Purchase Card

Tactical Oscar® (desert) Custom OS2T-SB Sand

**Selection Guide** 



the USA

#### Oscar® 2 Tactical Cord Sets Selection Guide

Description	Ratings	Catalog Number		
Cordset, Pigtail, 6ft., #6/5		65MIL PGTL		
Cordset, 50ft., #6/5	60A, 120/208V-5wire	65BSOM		
Cordset, 100ft., #6/5		65DSOM		



Class L Mil Type



Convenient hinged lid for easy interior access to circuit breakers.

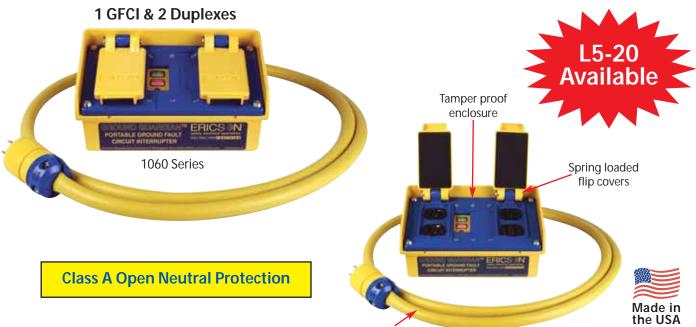
Input Floatrical Dating1	Dourino <sup>2</sup>	Datinga	Pro	otection	GFCI	Cotolog Numbo
Input Electrical Rating <sup>1</sup>	Device <sup>2</sup>	Ratings	Qty.	Overload	GFCI	Catalog Number
60A, 3-phase, 120/208V	Single Outlet Straight Blade Receptacle	NEMA 5-20, 20A/125V	6	Yes	2 of 6	
AC	Class "L" Inlet	60A, 3-phase Y, 120/208V	1	No	No	OS2T-SB*
5-wire	Class "L" Outlet	60A, 3-phase Y, 120/208V	1	No	No	
60A, 3-phase, 120/208V AC	Single Outlet Locking Receptacle	NEMA L5-20, 20A/125V	6	Yes	2 of 6	
	Class "L" Inlet	60A, 3-phase Y, 120/208V	1	No	No	OS2T-LK*
5-wire	Class "L" Outlet	60A, 3-phase Y, 120/208V	1	No	No	
60A, 3-phase, 120/208V	Single Outlet Straight Blade Receptacle	NEMA 5-20, 20A/125V	12	Yes		
AC	Class "L" Inlet	60A, 3-phase Y, 120/208V	1	No	No	OS2T-SB* Full
5-wire	Class "L" Outlet	60A, 3-phase Y, 120/208V	1	No		
60A, 3-phase, 120/208V	Single Outlet Locking Receptacle	NEMA L5-20, 20A/125V	12	Yes		
AC 5-wire	Class "L" Inlet	60A, 3-phase Y, 120/208V	1	No	No	OS2T-LK* Full
	Class "L" Outlet	60A, 3-phase Y, 120/208V	1	No		

Notes: 1.100 Amp available - Contact factory

\* Pick color scheme - green or sand

#### **Features**

- Polycarbonate, Impact resistant enclosure retains its properties under the most extreme environmental conditions
- · Spring-loaded flip lids protect outlets from jobsite contaminants when not in use
- Unit comes standard with extra hard usage #12/3 SEO cable
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- · Manual & automatic power-up
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status (1060)



Rugged 600V SOW Cord

Catalog	Catalog Number Type*	Outlets	Prima	ry Cord	Plug	Volts	Amos	Watts
Number		Outlets	Length	Туре	Plug	VOILS	Amps	Walls
1060	Manual	(4) NEMA 5-15 15A,				100		
1060-A	Auto	120Volt Straight Blade	6'	#12/3 SEO	5-15	120	15	1800
1061	Manual	(4) NEMA L5-15	ζ.	#12/3 SEO	L5-15	120	15	1000
1061-A	Auto	15A, 120Volt Locking	6'	#12/3 SEU	L9-19	120	15	1800
1062	Manual	(4) NEMA 5-20 20A,	()	#12/2 650	F 20	120	20	2400
1062-A	Auto	120Volt Straight Blade	6'	#12/3 SEO	5-20	120	20	2400

\*Power up mode - does not effect reset after trip

Consult factory for custom configurations

# **Need a Custom Version? Contact Us Today**





CONTROLOGIES AND A CONTROLOGIES

and.

#### 120 & 240V, 3 & 4 Wire 20 & 30 AMP (L5-20, L5-30, L14-20 & L14-30 Plugs)

Ericson offers these Heavy Duty Emergency Power Cordsets with these features:

- Rubberized Box eliminates "hot" un-grounded dangerous metal quad boxes • Heavy Duty Perma-Link<sup>™</sup> Plug with rubberized body and nickel plated blades
  - Heavy Duty SJ & SO cord for long service life

NOTICE: The NEC restricts the use of metal job boxes as temporary power cords

- GFCI Protection GFCI 5-20 Duplexes protecting 5-20 duplex receptacles
- Heavy Duty cord strain relief at box stands up to rough duty
- 2, 25, 50 and 100 ft cord lengths keeps generator away from family and work area





8Z3104SO8GA

Made in the USA

#### **3 Wire Systems**

Catalog Number	Rating	Plug	Cord Type	Box Config	Length
8V2123SJB6G2					2
8V2123SJB6GA	120V 20 AMP	L5-20	#12/3 SJT Black	6000 Box w/ (1) GFCI 5-20 Duplex & (1) Protected 5-20 Duplex	25
8V2123SJB6GB					50
8V3103SE6G2					2
8V3103SE6GA	120V 30 AMP	L5-30	#10/3 SEO Yellow	4000 Poy w/ (1) CECLE 20 Duploy & (1) Protocted E 20 Duploy	25
8V3103SE6GB	120V 30 AIVIP	L0-30	# 10/3 SEO TEIIOW	6000 Box w/ (1) GFCI 5-20 Duplex & (1) Protected 5-20 Duplex	50
8V3103SE6GD					100
			4 Wir	e Systems	
8Z2124SE8G2					2
8Z2124SE8GA	240V 20 AMP	L14-20	#12/4 SEO Black	8000 Box w/ (2) GFCI 5-20 Duplex & (2) Protected 5-20 Duplex	25
8Z2124SE8GB					50
8Z3104SO8G2					2
8Z3104SO8GA	240V 30 AMP	L14-30	#10/4 SO Yellow	2000 Poy w/ (2) CECLE 20 Duploy & (2) Protected E 20 Duploy	25
8Z3104SO8GB	240V 30 AIVIP	L14-3U	#10/4 SO TEIIOW	8000 Box w/ (2) GFCI 5-20 Duplex & (2) Protected 5-20 Duplex	50
8Z3104SO8GD					100

Other configurations available - call for pricing.



# Heavy Duty Grade W & Y Cordsets

- Provides multiple outlets from a single power source
- Available in "Y" and "W" configurations
- Manufactured using heavy-duty SEOW cord
- Standard models available with 18" primary and secondary
- Available with Ericson's Perma-Link or Perma-Tite plugs and connectors
- Custom configurations available with your choice of primary length, secondary length and plug/connectors

2634 -	A1	<b>Z1</b> 0				
Base Model	Plug/Conn	Amp Volts		AWG C	ord Size	Length
				1	2	
2634 = Y	A = 1510P & 1610-C	15	120	14/3	12/3	Blank = std 3' OAL
2636 = W	B = 1510-PW6P & 1610-CW6P	15	120	14/3	12/3	Zxx = any length up to 100' OAL
	C = 1520-P & 1620-C	15	120	14/3	12/3	
	D = 1520-PW6P & 1620-CW6P	15	120	14/3	12/3	
	E = 2310-P & 2410-C	20	120	12/3	10/3	
	F = 2310-CW6P & 2410-CW6P	20	120	12/3	10/3	
	G = 2510-P & 2610-C	30	120	10/3		
	H = 2510-PW6P & 2610-CW6P	30	120	10/3		
	I = 2320-P & 2420-C	20	120/240	12/4		
	J = 2320-PW6P & 2420-CW6P	20	120/240	12/4		
	K = 2324-P & 2424-C	20	480 3ø	12/4		
	L = 2324-PW6P & 2424-CW6P	20	480 3ø	12/4		
	M = L21-20P & L21-20C	20	208	12/5		
	SOW, SOOW, SEOW 600V Rated only.					50 Amp "Y"



123YL

# **Contractor Grade**

# Y& W-Adapter Features 600V STW Cable

123 Y

Y-Adapter provides two outlets so you can keep two tools plugged in. Made from heavy-duty #12/3 STW yellow cable with molded-on plug, connector & Y/W-junction.

#### Y & W-Adapter Selection Guide

Catalog	Electrical Ratings						
Number	Length Gauge Type Amps Volts Plug/Connector		Face View				
123Y				15A		NEMA 5-15 Straight Blade	
123Y-L	2'	#12/3	STW	20A	120V	NEMA L5-20	<b>()</b>
123W	2	#12/3		15A	1200	NEMA 5-15 Straight Blade	
123WL				20A		NEMA L5-20P & L5-20R Twist	



123WL



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#### **Molded End Cordsets**

Ericson offers a complete line of high quality jobsite style cordsets for a range of applications. From light tool and generator connection to heavy duty #10/3 size cord, the Ericson line of safety cordsets is the right answer to your power cord needs. In both straight blade and twistlock version with cord types ranging from #14/3 to #10/3, these cordsets are built to last job after job. Molded and bonded clear connection ends come standard with power on indication\* and make inspection easy. Thick outer jacket material from SJTW cordage resists jobsite abrasion and is water resistant. Safety yellow color makes them easy to see on crowded jobs and under low light situations.

Bonus: Custom Factory Cord Jacket Printing Available – See your local Ericson Rep for details on getting your cords marked.

\* not available on some models.



#### L5-20 Also Available

Face View	Single Molded Ends	Length (ft)	Cord Size	Туре	Plug	Connector	Amps	Wattage	Volts
	143B	50	#14/3	SJTW	5-15P	5-15C	15	1625	125
	143D	100	#14/3	SJTW	5-15P	5-15C	13	1625	125
<b>(i)</b>	123B	50	#12/3	SJTW	5-15P	5-15C	15	1875	125
	103B	50	#10/3	SJTW	5-15P	5-15C	15	1875	125
	103D	100	#10/3	SJTW	5-15P	5-15C	15	1875	125
	123D	100	#12/3	SJTW	5-15P	5-15C	15	1875	125
<b>()</b> (?)	123BL	50	#12/3	SJTW	L5-20P	L5-20C	20	2500	125
٢	123DL	100	#12/3	SJTW	L5-20P	L5-20C	20	2500	125

#### 

Molded Tri-Tap	Length (ft)	Cord Size	Туре	Plug	Connector	Amps	Wattage	Volts
123B-TT	50	#12/3	SJTW	5-15P	5-15C	15	1875	125
123D-TT	100	#12/3	SJTW	5-15P	5-15C	15	1875	125

ERICSON MANUFACTURING COMPANY WWW.ERICSON.COM 1-800-ERICSON

ERICS SINCE ISIN

# **BONUS - CORD PRINTING AVAILABLE**

See Your Local Ericson Representative For Details.

#### SUPERIOR RUBBER OUTDOOR CORD WITH MAXIMUM LOW TEMPERATURE FLEXIBILITY.

<section-header></section-header>	FLEXIBLE to -40° C! Power On Indication Electrical Compon Bonded For Street	on How Nam • Mark on cable • Heat shrink tubing Lighted Ends nents ngth
	Flexible Cord	FEATURES Made with a special 12/3 SJOW cord; Hog Hide's <sup>™</sup> superior rubber technology allows cord to stay flexible in tough conditions.
	Molecularly Bonded Cap & Connector	
EXTRA LOW	Shocking Pink Color	Highly visible bright pink color helps reduce theft while increasing visibility.
TEMPERATURE FLEXIBILITY	Identification System	n Permanently mark your Hog Hide™ cord with your name, reduces theft.
	Limited Lifetime Warranty	Hog Hide™ cordsets satisfaction guaranteed!
You can't do thi with other cable		Hog Hide <sup>™</sup> is RoHS compliant, UL Listed and meets all appropriate OSHA requirements.
	Extras	Plug & Connectors lights up to indicate power is on.

Catalog					Electrical F	<b>3</b>				
Number	Length	Gauge	Туре	Amps	Volts	Plug/Connector	Face View			
123B-H	50′	#12/3	SJOW	15A	120V	NEMA 5-15 Plug/Connector				
123D-H	100′	#12/3	21010	ACI	1200	NEMA 5-15 Plug/Connector				



Where the second second

# Factory Assembled Cord Sets

	Light Industrial	1510		me Industrial	<ul> <li>Factory Assembled Cord Sets</li> <li>Factory assembled to meet the most demanding industrial and construction applications</li> <li>Available with Ericson's Perma-Link<sup>®</sup>, Perma-Grip<sup>™</sup> or Perma-Tite<sup>™</sup> plugs and connectors</li> <li>Manufactured using heavy-duty SOW cord for maximum durability and longevity</li> <li>High visibility dual color safety system, Brilliant Blue and Radiant Yellow</li> </ul>
		g/Conne			length only when
		VA Desig			Length Z code is used) A = 25 ft. OAL
	(		,		<b>Cord Size</b> <sup>1</sup> $\mathbf{B} = 50$ ft. OAL
Face	NEMA	Electri	cal Ratings	Plugs/Connectors	<b>103</b> = 10/3 SOW <b>D</b> = 100 ft. OAL <b>104</b> = 10/4 SOW <b>Z</b> = Custom <sup>1</sup>
	Configuration	Amps	Volts	Code	<b>104</b> = 10/4 SOW <b>Z</b> = Custom <sup>1</sup> <b>123</b> = 12/3 SOW OAL = Overall length
	5-15	15	125	1510	124 = 12/4 SOW
	5-20	20	125	1512	<b>143</b> = 14/3 SOW
	6-15	15	250	1514	<b>163</b> = 16/3 SOW
	6-20	20	250	1516	
<u> </u>	L5-15	15	125	1520	Overall Environmental Grade (based on plug/connector style)
	L6-15	15	250	1522	$\mathbf{P}$ = Industrial Light
	L7-15	15	277	1524	P = Industrial Light PG = Industrial Medium
	L5-20	20	125	2310	PW6P = Extreme Industrial
	L6-20	20	250	2312	Water Tight Ends
	L7-20	20	277	2314	
$\mathbf{\hat{n}}$	Non-NEMA	20	125/250	2316	(P) Perma-Link™ Cord Clamp
		20	205	0017	Style Features:     Internal cord seal
$\bigcirc \bigcirc$	Non-NEMA	10	600	2317	<ul> <li>Dual screw self-centering clamp</li> </ul>
	Non-NEMA	15A 10A	125V 250V	1507	(DC) Dorma CrinTM Cord Crin
	L14-20	20	125/250	2320	(PG) Perma-Grip™ Cord Grip Nut Style Features:
	L15-20	20	250, 3Ø	2322	Nickel plated solid brass blades
	L16-20	20	480, 3Ø	2324	Super sealing cord grip nut design
	L5-30	30	125	2510	
	L6-30	30	250	2512	(PW6P) Perma-Tite2 <sup>™</sup> All Weather Cord Grip Nut Style features:
	L7-30	30	277	2514	· All weather - NEMA 6P rated
ŎŎ	Non-NEMA	30	125/250	2516	Super sealing rings     Connector includes cover
	L14-30	30	125/250, 3Ø	2520	
	L15-30	30	250, 3Ø	2522	Quede to all Const Marth Data 105
	L16-30	30	480, 3Ø	2524	Cordsets with Smart Monitor Devices are shown on 125
	L17-30	30	600, 3Ø	2526	<sup>1</sup> Note: Some of the plug/connector amp ratings to cord size configurations
	L18-30	30	120/208 3Ø wye		are not recommended due to basic electrical safety rules. Customers
<b>NN</b>	Non-NEMA	30	120/208 3Ø wye		are responsible for checking local codes and proper usage of any factory built cordset.
		<u> </u>			

#### 50 Amp Cordsets

Ericson's complete line of 50 Amp cordsets for use with Oscar Temporary Power Distribution Centers are the best built in the industry. Assembled in the USA with high standards to produce the best cordsets available. Call for custom lengths. Minimum order size required.

• For use with Oscar Series 1066 and 1067

- Available in SO or STW cord types
- 50 Amp "Y" available

- Can connect e-Cart Jr and e-Cart2 Series to Oscars
- Blunt pigtail versions make hard wiring into a panel easy and quick (PGTL)



Cat. Number	Rating	Length (ft)	Cord Size	Cord Type	Plug	Connector
63ASO		25			Twistlock 50 Amp CS6365-P or equiv	
63BSO		50			Twistlock 50 Amp CS6365-P or equiv	
63DSO		100		60	Twistlock 50 Amp CS6365-P or equiv	Twistlook EQ Amp CS(2(4 C or or with
63PGTLSO		6		SO	Blunt - 12" ROJ - 1" Tin	Twistlock 50 Amp CS6364-C or equiv
63PGTLSO-50	50 A	50	#6/3 & #8/1 (Gnd)		Blunt - 12" ROJ - 1" Tin	
63PGTLSO-100		100			Blunt - 12" ROJ - 1" Tin	
63BST		50			Twistlock 50 Amp CS6365-P or equiv	Twistlock 50 Amp CS6364-C or equiv
63DST		100		STW	Twistlock 50 Amp CS6365-P or equiv	Twistlock 50 Amp CS6364-C or equiv
63YSTW		3 ft "Y"			(1) Twistlock 50 Amp CS6365-P or equiv	( 2 each ) Twistlock 50 Amp CS6364-C or equiv

# 60 & 100 Amp Cordsets

Ericson manufactured cordsets are built to the highest quality standards for durability and long service. Our cordsets use the best plugs and connectors possible and are constructed to meet the high demands of industrial and military environments.

- Extra Hard Usage SO cord
- Highest guality Internationally rated IEC plugs and Connectors
- Military cordsets use exact match Military plug-n-play Class L wiring devices
- Pigtail cordsets allow for hard wiring into panels with tinned ends
- For use with Oscar 1068, Oscar<sup>®</sup> 2 and Tactical Oscar<sup>®</sup> Military Style distribution centers

Cat. Number	Rating	Length (ft)	Cord Size	Cord Type	Plug	Connector
IEC Style Cordsets			5120	туре		
65BSO		50			4P 5W 60 Amp IEC 560P9E or equiv	
65DSO	60 A	100	#6/5		4P 5W 60 Amp IEC 560P9E or equiv	4P 5W 60 Amp IEC 560C9E or equiv
65PGTL-50	0071	50	" 0/ 0		Blunt - ROJ 12"	
65PGTL-100		100			Blunt - ROJ 12"	
45BSO		50		SO	4P 5W 100 Amp IEC 5100P9E or equiv	
45DSO		100			4P 5W 100 Amp IEC 5100P9E or equiv	
45PGTL-25	90 A	25	#4/5		Blunt - ROJ 12"	4P 5W 100 Amp IEC 5100C9E or equiv
45PGTL-50		50			Blunt - ROJ 12"	
45PGTL-100		100			Blunt - ROJ 12"	
Military Style Cordset	S					L
65BSOM		50			4P 5W 60 Amp Military Class L or equiv	
65DSOM		100			4P 5W 60 Amp Military Class L or equiv	
65MIL PIGTAIL	60 A	6	#6/5		Blunt - ROJ 12" - Tinned 1" each	4P 5W 60 Amp Military Class L or equiv
65MIL PGTL-50		50			Blunt - ROJ 12" - Tinned 1" each	
65MIL PGTL-100		50			Blunt - ROJ 12" - Tinned 1" each	
45BSOM		50		SO	4P 5W 100 Amp Military Class L or equiv	
45DSOM		100			4P 5W 100 Amp Military Class L or equiv	
45BSOMPGTL	100 A	10	#4/5		Blunt - ROJ 12" - Tinned 1" each	4P 5W 100 Amp Military Class L or equiv
45MIL PGTL-50		50			Blunt - ROJ 12" - Tinned 1" each	
45MIL PGTL-100		100			Blunt - ROJ 12" - Tinned 1" each	



65DSOM Class L Mil Type

# Now available from Ericson Manufacturing Company...

Protect expensive cables from foot-traffic and equipment damage while eliminating tripping hazards caused by cables with Ericson's CP5 Series Cable Protectors. Bases are made from rubber and cover is made from UV Stabilized Polyurethane, for its resilience, hardness and impact resistance for demanding environments.

Easy set-up and take-down

#### Applications Include: Conventions • Special Events • In-Plant Use • Jobsites

#### Features:

- Large capacity 5-slot linear sections and fittings
- Compact design for easy handling and storage Rounded dividers protect cables from snags and tears • "T" locks hold under load stress No slip molded in pattern Hinged lid for easy loading Required by NEC & OSHA 5-bar tread plate surface for increased traction Super duty design Ideal For Temporary Cable & Hose Runs 4 Nail down holes for securing ramp to surface CP5-36-HD - open CP5-36-HD CP5-45R-HD - open 2.0" 23 1/4" Large 1.5″ x 2.0″ CP5-36ECP-HD Channels Units Connect **TESTED & CERTIFIED ANSI and AASHTO Official Independent** Rubber/Polyurethane Material: Test Results: **Hinge Pin Material: Reinforced Fiberglass** Tire Rating: 24,000 Lb. **Operating Temperature Range:** -40 °F to +200 °F Axle Rating: 48,000 Lb. Maximum Load per Axle: 24,000 Lbs. 48.000 Axle Selection Guide **Catalog Number** Description Weight 5-slot, 36" long straight section 51 lbs. CP5-36-HD CONTAINS CP5-36ECP-HD End cap ends (pair) 6 lbs. GREEN FRIENDLY 17 lbs. RECYCLED CP5-45L-HD 45 degree left turn CP5-45R-HD 17 lbs. **RUBBER** 45 degree right turn

5 Channels - 1.339 in. (34.0 mm) width x 1.325 in. (33.65 mm) height

#### **Over-The-Floor Cable Shield**

- Cable shield protects cables or hoses that must extend across areas of heavy traffic, such as plant aisles, construction sites etc.
- · Cable shield is both impact-and abrasion-resistant.
- Non-conductive
- No. 17525 cable shield accommodates cord sizes up to #10/3 SO, and hoses up to 3/4 inch OD.
- Split bottom permits easy cable insertion.

#### **Selection Guide**

Catalog No.	Length	Color
#17525-B	25'	Black
#17525-Y	20	Yellow

Note-- Cable Shield can be cut to required length by user. Maximum available length is 25 ft.



#### 3-Slot Cable Protectors

Protect expensive cables from foot-traffic and equipment damage while eliminating tripping hazards caused by cables with Ericson's CP3 Series Cable Protectors. Made from UV Stabilized Polyurethane, for its resilience, hardness and impact resistance for demanding environments.

Applications Include: Conventions • Special Events • In-Plant Use • Jobsites

#### Features:

- Large capacity 3-slot linear sections and fittings
- Rounded dividers protect cables from snags and tears
- "Dog Bone" connectors are compatible with other cable protector brands
- Hinged lid for easy loading

- 5-bar tread plate surface for increased traction
- · Components to fit any protection need
- Easy set-up and take-down
- Compact design for easy handling and storage
- · No slip molded in pattern
- Required by NEC & OSHA

Material: **Hinge Pin Material: Operating Temperature Range:** Maximum Load Per Axle:

**UV Stabilized Polyurethane Reinforced Fiberglass** -40 °F to +120 °F (-40 °C to +49 °C) 21,000 lbs. At 70 °F (4,763 kg. At 21 °C): For straight section

Catalog Number	Description	Weight
CP3-36	3-slot, 36" long straight section	19.5 lbs

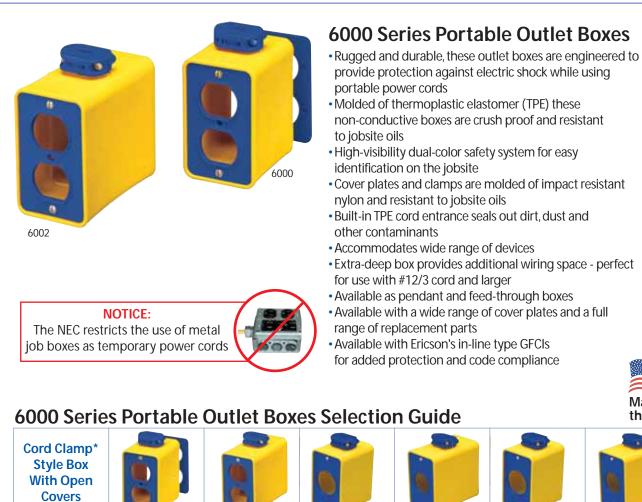


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CP3-36

3" Height Overall



Covers							
	For (2) Duple	x Receptacles		e Receptacles: dia. Hole	For (2) Single Receptacles: 1.572" dia. Hole		
	Standard Depth	Extra Deep	Standard Depth	Extra Deep	Standard Depth	Extra Deep	
Pendant	6000	6002	6005	6006	6010	6011	

Made in

the USA

\* No feed thru box available with cord clamp style

#### 6000 Series Portable Outlet Boxes Selection Guide

Cord Grip Feed Thru * Style Box With Open Covers						
	For (2) Duple	x Receptacles		e Receptacles: dia. Hole		Receptacles: lia. Hole
	Standard Depth	Extra Deep	Standard Depth	Extra Deep	Standard Depth	Extra Deep
*Feed-Through	6000-F	6002-F	6005-F	6006-F	6010-F	6011-F

Standard depth box= 3-3/16"

Extra deep box = 4-5/32"

\* All 6000 Series feed-throughs have cord grip nuts and grommets (see photo of 6000-F above)

#### **6000 Series Replacement Boxes**



Standard Depth Box Catalog Number - 6030



Standard Depth Box Catalog Number - 6030B

Extra Deep Box Catalog Number - 6029

Catalog # - 6033

\* No feed thru box available with cord clamp style

**Duplex Receptacle Cover Plates** 

#### **6000 Series Replacement Cover Plates**

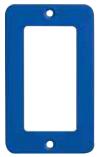




Catalog # - 6031

Catalog # - 6031B

**GFCI Duplex Receptacle Cover Plates** 





Catalog # - 6035

Catalog # - 6035B

**Single Receptacle Cover Plates** 1.390" Dia. Opening



Catalog # - 6032B

**Blank Cover Plates** 

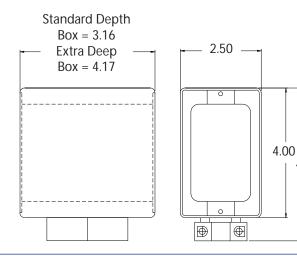


Catalog # - 6034

Catalog # - 6034B

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**Single Receptacle Cover Plates** 

1.572" Dia. Opening



Catalog # - 6033B

These factory assembled outlet boxes save assembly time in the field and assembly cost; plus they give the assurance of proper component matching of cord, box and plug.



# 6000 Series Factory Wired Portable Outlet Boxes Selection Guide

	Factory Wired Box	Box w/ Receptacles	NEMA Configuration	Cord Length	SOW Cord Size
Factory wired with (2) duplex receptacles			1	1	
6000 box w/ (2) duplex 5-15 receptacles, 1' cord w/ 5-15 plug	60001		5-15	1′	14/3
6000 box w/ (2) duplex 5-15 receptacles, 25' cord w/ 5-15 plug	60025		5-15	25′	14/3
6000 box w/ (2) duplex 5-15 receptacles, 50' cord w/ 5-15 plug	60050		5-15	50′	14/3
6000 Box w/(2) Duplex 5-15 Recepts, No Cord		6001-1	5-15	U-Add	
6000 Box w/ (2) Duplex 5-20 Recepts, No Cord		6001-2	5-20	U-Add	
6000 box w/ (2) duplex L5-15 receptacles, 1' cord w/ L5-15 plug	60201		L5-15	1′	14/3
6000 box w/ (2) duplex L5-15 receptacles, 25' cord w/ L5-15 plug	60225		L5-15	25′	14/3
6000 box w/ (2) duplex L5-15 receptacles, 50' cord w/ L5-15 plug	60250		L5-15	50′	14/3
Factory wired with (2) single receptacles			1		
6006 box w/(2) L5-15 Outlets, 6' cord w/ L5-15 plug	6006-143C2			6'	14/3
6006 box w/(2) L5-15 Outlets, 25' cord w/ L5-15 plug	6006-143A2			25′	14/3
6006 box w/(2) L5-15 Outlets, 50' cord w/ L5-15 plug	6006-143B2		L5-15	50′	14/3
6006 box w/(2) L5-15 Outlets		6006-2			
6011 w/ (2) L5-20, 6′ #12/3 cord w/L5-20 plug	6011-123C3			6′	12/3
6011 w/ (2) L5-20, 25′ #12/3 cord w/L5-20 plug	6011-123A3		15.20	25′	12/3
6011 w/ (2) L5-20, 50′ #12/3 cord w/L5-20 plug	6011-123B3		L5-20	50′	12/3
6011 w/ (2) L5-20 receptacles		6011-3			
6011 w/ (2) L6-20, 6′ #12/3 cord w/L6-20 plug	6011-123C4			6′	12/3
6011 w/ (2) L6-20, 25′ #12/3 cord w/L6-20 plug	6011-123A4		L6-20	25′	12/3
6011 w/ (2) L6-20, 50′ #12/3 cord w/L6-20 plug	6011-123B4		L0-20	50′	12/3
6011 w/ (2) L6-20 receptacles		6011-4			
6011 w/ (2) L7-20, 6' #12/3 cord w/L7-20 plug	6011-123C5			6′	12/3
6011 w/ (2) L7-20, 25′ #12/3 cord w/L7-20 plug	6011-123A5		17.00	25′	12/3
6011 w/ (2) L7-20, 50′ #12/3 cord w/L7-20 plug	6011-123B5		L7-20	50′	12/3
5011 w/ (2) L7-20 receptacles		6011-5			
6011 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 6' #12/3 cord	6011-123C9			6′	12/3
6011 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 25' #12/3 cord	6011-123A9			25′	12/3
5011 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 50' #12/3 cord	6011-123B9		Non-NEMA	50′	12/3
6011 w/ (2) Non-NEMA 2P, 3W 20A 250V locking receptacles		6011-9			
lates: 1 Contact factory for custom assomblies	1		1		

Notes: 1. Contact factory for custom assemblies



# 6000 Series GFCI Protected Portable Outlet Boxes Selection Guide

6000 Series Boxes Factory wired with (2) duplex receptacles	NEMA Config.	Secondary Cord Length	SJTW Cord	Factory Wired Box w/ In-Line GFCI
6000 box w/ (2) duplex 5-15 receptacles, 1' cord w/ 5-15 plug		1′		XG2-12-2B
6000 box w/ (2) duplex 5-15 receptacles, 25' cord w/ 5-15 plug	5-20	25′	12/3	XG2-12-25B
6000 box w/ (2) duplex 5-15 receptacles, 50' cord w/ 5-15 plug		50′		XG2-12-50B

Notes:

1. Contact factory for custom assemblies





6102



#### 6100 Series Weather Resistant Portable Outlet Boxes

- Non-metallic, non-conductive design provides protection against electric shock while using portable power cords
- Spring-loaded flip seal covers protect receptacle when not in use
- Heavy-duty stainless steel springs provides dependable, long service life
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- Supplied with cord grip bushings that accommodate #16/3 SO through #12/3 SO cord
- High-visibility dual-color safety system for easy identification
   on the jobsite
- Cover plates and flip seals are molded of impact resistant PBT thermoplastic
- Accommodates a wide range of devices
- Extra-deep box provides additional wiring space
- Available as pendant and feed-through boxes
- Available with a wide range of cover plates and a full range of replacement parts
- Available with Ericson's in-line GFCIs for added protection and code compliance

#### 6100 Series Weather Resistant Portable Outlet Boxes Selection Guide

Cord Grip Style Box With Flip Covers	<b>1</b>					
	For (2) Duple	x Receptacles	For (2) Single Receptacles: 1.390" dia. Hole		For (2) Single Receptacles: 1.572" dia. Hole	
	Standard Depth	Extra Deep	Standard Depth	Extra Deep	Standard Depth	Extra Deep
Pendant	6100	6102	6105	6106	6110	6111
Feed-Through	6100-F	6102-F	6105-F	6106-F	6110-F	6111-F

Standard depth box= 3-3/16" Extra deep box = 4-5/32"

# **Selection Guide**

All Black Box With Covers				
	For 2 Duplex Receptacles			
	Standard Depth	Extra Deep		
Pendant	6100B	6102B		
Feed-Thru	6100B-F	6102B-F		

#### Now available in black for Stage, Studio & Entertainment

Molded black box with black cover plates blends into the background Ideal for stage, studio, entertainment and other applications where you want the box to not attract attention

#### **6100 Series Replacement Boxes**



Standard Depth Catalog Number - 6130

Standard Depth Box with Feed Through (not shown) Catalog Number - 6130-F



Extra Deep Box Catalog Number - 6129

Extra Deep Box with Feed Through (not shown) Catalog Number - 6129-F



Standard Depth Catalog Number - 6130B

Standard Depth Box with Feed Through (not shown) Catalog Number - 6130B-F



Extra Deep Catalog Number - 6129B

Extra Deep Box with Feed Through (not shown) Catalog Number - 6129B-F

# 6100 Series Replacement Cover Plates



For Single Receptacles 1.390" Dia. Opening Catalog Number - 6132



For GFCI Receptacles Catalog Number - 6135Y

6100 Series Dimensions

> Standard Depth Box = 3.16 Extra Deep Box = 4.17



For Single Receptacles 1.572" Dia. Opening Catalog Number - 6133



Catalog Number - 6135



For Duplex Receptacles Catalog Number - 6131



Catalog Number - 6131B

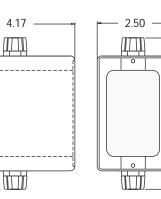
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Blank Cover plate Catalog Number - 6034



Catalog Number - 6034B





MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed. These factory assembled outlet boxes save assembly time in the field and assembly cost, plus they give the assurance of proper component matching of cord, box and plug.



#### 6100 Series Factory Wired Portable Outlet Boxes Selection Guide

	Factory Wired Box	Box w/Receptacles	NEMA Config.	Cord Length	SOW Cord Size
Factory wired with (2) duplex receptacles	1				
6100 box w/ (2) duplex 5-15 receptacles, 1' cord w/ 5-15 plug	61001		5-15	1′	14/3
6100 box w/ (2) duplex 5-15 receptacles, 25' cord w/ 5-15 plug	61025		5-15	25′	14/3
6100 box w/ (2) duplex 5-15 receptacles, 50' cord w/ 5-15 plug	61050		5-15	50′	14/3
6100 box w/ (2) duplex 5-15 receptacles, no cord		6101-1		U-Add	
6100 box w/ (2) duplex 5-20 receptacles, no cord		6101-2		U-Add	
6100 box w/ (2) duplex L5-15 receptacles, 1' cord w/ L5-15 plug	61201		L5-15	1′	14/3
6100 box w/ (2) duplex L5-15 receptacles, 25' cord w/ L5-15 plug	61225		L5-15	25′	14/3
6100 box w/ (2) duplex L5-15 receptacles, 50' cord w/ L5-15 plug	61250		L5-15	50′	14/3
Factory wired with (2) single receptacles	1		1		
6106 box w/(2) L5-15 Outlets, 6' cord w/ L5-15 plug	6106-143C2		L5-15	6′	14/3
6106 box w/(2) L5-15 Outlets, 25' cord w/ L5-15 plug	6106-143A2		L5-15	25′	14/3
6106 box w/(2) L5-15 Outlets, 50' cord w/ L5-15 plug	6106-143B2		L5-15	50′	14/3
6106 box w/(2) L5-15 Outlets		6106-2	L5-15		
6111 w/ (2) L5-20,6'#12/3 cord w/L5-20 plug	6111-123C3		L5-20	6′	12/3
6111 w/ (2) L5-20, 25' #12/3 cord w/L5-20 plug	6111-123A3		L5-20	25′	12/3
6111 w/ (2) L5-20, 50' #12/3 cord w/L5-20 plug	6111-123B3		L5-20	50′	12/3
6111 w/ (2) L5-20 receptacles		6111-3	L5-20		
6111 w/ (2) L6-20, 6' #12/3 cord w/L6-20 plug	6111-123C4		L6-20	6′	12/3
6111 w/ (2) L6-20, 25' #12/3 cord w/L6-20 plug	6111-123A4		L6-20	25′	12/3
6111 w/ (2) L6-20, 50' #12/3 cord w/L6-20 plug	6111-123B4		L6-20	50′	12/3
6111 w/ (2) L6-20 receptacles		6111-4	L6-20		
6111 w/ (2) L7-20,6'#12/3 cord w/L7-20 plug	6111-123C5		L7-20	6′	12/3
6111 w/ (2) L7-20, 25' #12/3 cord w/L7-20 plug	6111-123A5		L7-20	25′	12/3
6111 w/ (2) L7-20, 50' #12/3 cord w/L7-20 plug	6111-123B5		L7-20	50′	12/3
6111 w/ (2) L7-20 receptacles		6111-5	L7-20		
6111 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 6' #12/3 cord	6111-123C9		Non-NEMA	6′	12/3
6111 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 25' #12/3 cord	6111-123A9		Non-NEMA	25′	12/3
6111 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 50' #12/3 cord	6111-123B9		Non-NEMA	50′	12/3
6111 w/ (2) Non-NEMA 2P, 3W 20A 250V locking receptacles		6111-9	Non-NEMA		

Notes:

1. Contact factory for custom assemblies



# 7000 Series Tri-Tap Multiple Outlet Boxes

- Available in a variety of amperages and voltages
- Standard NEMA configurations insure compatibility with existing equipment
- Molded of rugged thermoplastic elastomer (TPE) to provide maximum resistance to oils, chemical and impact
- Non-conductive housing eliminates possibility of box becoming energized
- Cover plate and non-conductive cord clamp molded from impact and chemical resistant polybutylene terepthalate (PBT)
- Molded of Blue and Radiant Yellow colors for added safety through greater visibility in dull work environments

NOTICE: The NEC restricts the use of metal job boxes as temporary power cords



# 

# 7000 Series Tri-Tap Multiple Outlet Boxes

				Factory W	ired Boxes	
		NEMA		#12/3	3 SOW	
Amperage	Voltage	Configuration	Box Only	25′	50′	
15	125	5-15	7000	7000-25-2	7000-50-2	
20	125	5-20	7002	7002-25-2	7002-50-2	
15	250	6-15	7004	7004-25-2	7004-50-2	
15	125	L5-15	7008	7008-25-2	7008-50-2	
20	250	L6-15	7010	7010-25-2	7010-50-2	
20	125	L5-20	7020	7020-25-2	7020-50-2	
20	250	L6-20	7022	7022-25-2	7022-50-2	
20	277	L7-20	7024	7024-25-2	7024-50-2	
	15 20 15 15 20 20 20 20	15         125           20         125           15         250           15         125           20         250           20         250           20         125           20         250           20         250	AmperageVoltageConfiguration151255-15201255-20152506-1515125L5-1520250L6-1520125L5-2020250L6-20	AmperageVoltageConfigurationBox Only151255-157000201255-207002152506-15700415125L5-15700820250L6-15701020125L5-20702020250L6-207020	Amperage         Voltage         NEMA         #12/3           15         125         5-15         7000         7000-25-2           20         125         5-20         7002         7002-25-2           15         250         6-15         7004         7004-25-2           15         125         L5-15         7008         7008-25-2           15         125         L5-15         7008         7008-25-2           20         250         L6-15         7010         7010-25-2           20         125         L5-20         7020         7020-25-2           20         250         L6-15         7010         7010-25-2           20         125         L5-20         7020         7020-25-2           20         250         L6-20         7022         7022-25-2	AmperageVoltageConfigurationBox Only25'50'151255-1570007000-25-27000-50-2201255-2070027002-25-27002-50-2152506-1570047004-25-27004-50-215125L5-1570087008-25-27008-50-220250L6-1570107010-25-27010-50-220125L5-2070207020-25-27020-50-220250L6-2070227022-25-27022-50-2

Notes:

1. Consult factory for custom assemblies

# 7000 Series Tri-Tap Outlet Boxes with GFCI Protection

• The features of the 7000 series boxes plus GFCI protection for that added degree of safety



# 7000 Series Tri-Tap Outlet Boxes with GFCI Protection

		NEMA		Factory W #12/3		
Amperage	Voltage	Configuration	GFCI	25′	<b>50</b> ′	
15		5-15				
20	125	5-20	In-line	7002-25-2GF	7002-50-2GF	
20		L5-20		7020-25-2GF	7020-50-2GF	



Notes:

1. Consult factory for custom assemblies



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#### Now available from Ericson Manufacturing Company...

8000 Series portable electrical enclosures with large internal wiring area which allows for cords from 18/3 to 6/4 cable. Rugged and durable, these outlet boxes are engineered to provide protection against electric shock under harsh conditions.

#### **Features:**

- Extra-deep box provides additional wiring space perfect for use with all cords up to 6/4
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- · Plates (sold separately) accommodate a wide range of devices (screw kits included)
- Available with a wide range of cover plates and a full range of replacement parts
- Plate available for use with Ericson's 1075 GFCI module (not included) for added protection and code compliance (class A open neutral protection)
- · Cover plates and cord grips are molded of impact resistant nylon and resistant to jobsite oils
- Available as pendant and feed-through boxes
- Wire mesh cord grips available

#### **Selection Guide**

Catalog #

82005

82034 82010

82005W

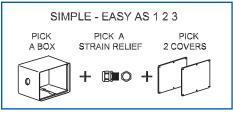
82034W

82010W

Catalog #	Description
8005	Box with 1 x 1/2" npt hole
8005F	Box with 2 x 1/2" npt holes (1 hole at each end)
8034	Box with 1 x 3/4" npt hole
8034F	Box with 2 x 3/4" npt holes (1 hole at each end)
8010	Box with 1 x 1" npt hole
8010F	Box with 2 x 1" npt holes (1 hole at each end)

**Strain Relief Kits** 

#### How To Order





8005

8205 cover TT-30 RV



8208FS cover Combo 1.56" & Duplex



8201FS cover (2) Duplex



1075 GFCI Module Use 8202 Plate



8206FS 1.56" Round



# Catalog #Plates8200Plate Blank8201Plate, 2 Duplex - No Flip Covers8201FSPlate, 2 Duplex With Flip Covers8202Plate, 1 GFCI 1075 No Flip Req'd8203Plate, 1 GFCI Duplex Receptacle No Flip

Strain Relief, Cord, 3/4 IN NPT

Strain Relief, Wire, Cord .5 IN 1/2 NPT

Strain Relief, Wire, Cord, 3/4 IN NPT

Strain Relief, Wire, Cord, 1IN NPT

Strain Relief, Cord, 1 IN NPT

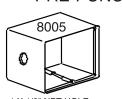
Strain Relief, Cord 1/2 IN NPT W/ Grommets

8203FS	Plate, 1 GFCI Receptacle With Flip
8204	Plate, 2 GFCI Receptacle - No Flip Covers
8204FS	Plate, 2 GFCI Receptacle With Flip Covers
8205	Plate, 1 LG Recpt RV TT-30 - No Flip Cover
8206	Plate, 2 Single 1.56" Round Recpt- No Flip Cover
8206FS	PLate, 2 Single 1.56" Round Recpt With Flip Covers
8207	Plate, 1 Single 1.56" Round Recpt - No Flip- 1/2 Blank
8207FS	Plate, 1 Single 1.56" Round Recpt With Flip Cover - 1/2 Blank
8208	Plate, 1 Single 1.56" Round & 1 Duplex Recpt - No Flip
8208FS	Plate, 1 Single 1.56" Round & 1 Duplex Recpt With Flip Covers

Catalog #Screw Kits\*80SCPKGScrew kit, 8000 Series ENCL (replacement)82SCPKGPLScrew kit, 8200 Plates (replacement)

\* Each box comes with (1) 805CPKG screw kit. Each plate has (1) 825CPKGPL screw kit

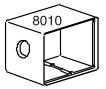
# **8000 Series Catalog Offerings**



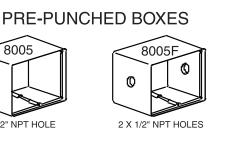
1 X 1/2" NPT HOLE



1 x 3/4" NPT HOLE



1 x 1" NPT HOLE

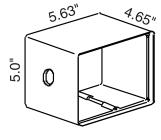




2 x 3/4" NPT HOLES

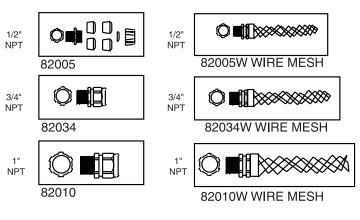


2 x 1" NPT HOLES

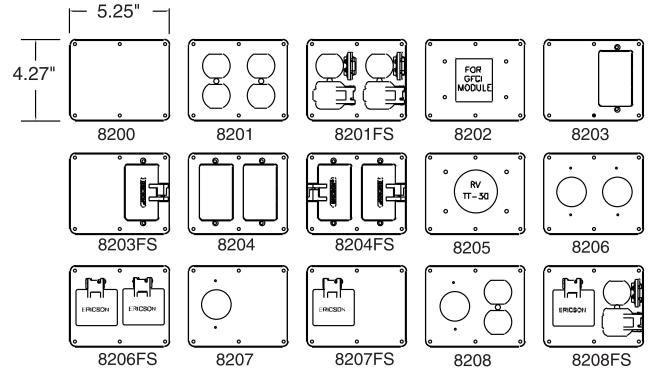


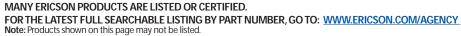


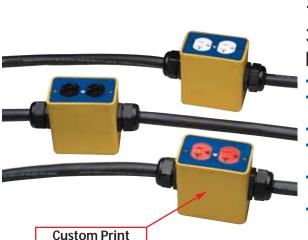
STRAIN RELIEF KITS



COVER PLATES AND FLIP COVERS







#### 120/208 Volt 3-Phase Alternate-Wired Portable Outlet Box Power Stringer

- Code compliant
- Perfect for events requiring temporary power such as: conventions, carnivals, circuses, fairs and sporting events
- Available with Ericson's non-metallic, non-conductive outlet boxes
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- High-visibility dual-color safety system for easy identification on the jobsite
- Available with a wide range of cover plates and a full range of replacement parts

#### 3-Phase Alternate Wired Power Stringer Selection Guide. 10' leader. Boxes 10' on Center

20 Amp 20	Catalog Number	Plug	Receptacles	Overall Length	SOW Cord Size	Box 1	Box 2	Box 3	Box 4	Box 5	Box 6
20 Amp 3Ø w/ (3) 6002 boxes 6	6050 -125F8			30′	12/5				-	-	-
w/ (6) 6002 boxes 6		L21-20	F 20	60′	12/5	Amhaaa	Distance	Ciphasa	A-phase	B-phase	C-phase
w/ (3) 6002 boxes 6	5050 -105F8			5-20	30′	10/5	A-priase	в-рпаѕе	C-phase	-	-
w/ (6) 6002 boxes 6	6050 -105G8			60′	10/5				A-phase	B-phase	C-phase
Notos:											

#### Notes:

1. Contact factory for custom assemblies

Your Name Here\*

2. Add "BLK" to catalog number for all black boxes & cable. Example: 6050-125F8 becomes 6050-125F8BLK

3. One color-coded duplex outlet per box

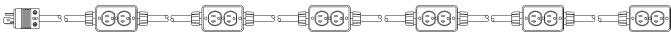
4. Indoor use only without snap covers



#### 30' Streamer



#### 60' Streamer



\*Custom Box Printing. Some restrictions apply. Quantity restrictions apply. Call us for details.

#### **Custom Lengths**

Need power outlets at specific space intervals? Ericson can customize your stringer to your specs.



#### **Custom Cord Printing**

ERICS

Ericson offers custom cord printing for most cordsets and stringers. Helps prevent theft and identifies your temporary power investment.

ERICSON MANUFACTURING COMPANY WWW.ERICSON.COM 1-800-ERICSON

#### **BONUS - CORD PRINTING AVAILABLE**

See Your Local Ericson Representative For Details.



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17.000-R

**Portable Lamps** 

HEAVY DUTY . SHOCK PROOF . OIL PROOF

Protection

# FOR WORKERS and PROPERTY from Electrical Hazards

C&E Safety Handles are made of the highest quality rubber, properly compounded to render long life under the most severe conditions, specially heat resistant and finished with oil and grease resistant baked elastic enamel, which does not peel or crumble off in use. Underwriters' Approved.

#### LAMP SIZE 40-100

C&E Safety Lamp Guards are of heavy duty type, steel wires are electrically welded and rustproofed by Heavy Coat of cadmium plating. The friction swireled hook holds lamp guard in desired position and the center octagon ring prevents guard from rolling when placed on the floor.

The socket is specially designed, 660W-250V, spring contact, no porcelain to break and will give long satisfactory service.

C&E Salety Portable Guards are constructed to permit easy assembling, no soldering or taping is necessary. The cord is passed through seal at end of handle, then the wires are run through holes in the disc and knotted, taking all strain olf the socket connections and cord.

C&E Safety Portable Lamps are watertight. Lamp seals itself into top of Rubber Handle, and the cord is sealed at the end of handle by inside lip.

Catalog No.	NET PRICE EAC 24 and Over	12-24	1-12
17,000 Open Guard	\$ .96	\$1.20	\$1.28
17,000-R Reflector	1.02	1.275	1.36
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	With Thumb Scre	wa	
17.000-T	\$1.05	\$1.32	\$1.40
17.000-RT Reflector	1.11	1.39	1.48

The above Portables can be furnished with fibre or rubber covered guards. Prices on request.

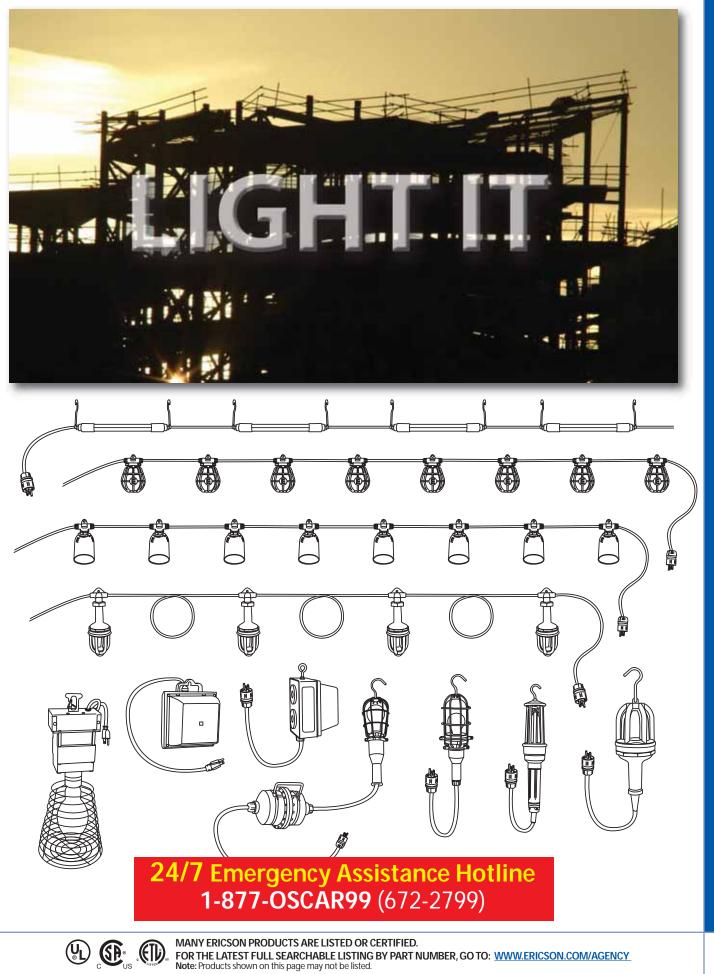
F.O.B. Cleveland, Ohio

Industrial Products Co.

800 WEST SOMERSET STREET Philadelphia, Pa.



# Original Ad from the 1940's



#### **Stringlights**

Comply with OSHA and Canadian worker's comp regulations and the NEC/CEC with these stringlights. Available in many styles to suit your jobsite needs.

GOOD - Construct-O-Lite<sup>®</sup> – 2-Wire Contractor Grade Molded Stringlights BETTER - E-Lite<sup>™</sup> 3-Wire Commercial Grade Molded Stringlights BEST - 3-Wire Heavy Duty Molded Stringlights EXTREME - Hazardous Location Explosion Proof Stringlights

#### High Bay Temporary Lighting Baylite<sup>™</sup> 400 & 250 Watt Pulse Start Metal Halide

- Pulse Start ballast meets the requirements of the Energy Independance Act of 2007
- CUL Listed suitable for damp locations
- Open-air ballast for cooler operation
- Multi-Tap ballast: 120V, 208V, 240V, 277V: Factory wired at 120V
- Base models have 3 ft 18/3 power cord with 5-15P molded plug.
   Feed thru models have 14/3 molded primary and secondary cords attached.
   (CSA certified on feed thru models)
  - Clear metal halide pulse type O lamp included (NEC 2008 Compliant)
     Average rated lamp life of over 10,000 hours
    - Super bright metal halide lamp has a color temperature of 4000K
       EZ hook with locking feature
      - (2) <sup>3</sup>/<sub>4</sub>" knock-outs for optional conduit access (on base models only)



#### Wide Area Lighting

Ericson offers many styles of medium to large area lighting for many applications. From the versatile Magnet Mountable Model 1000, (still Made in the USA), to the Emergency Battery Ballast version of our popular model 1000-F series Heavy Duty Fluorescent Magnet lights, we have your medium area lighting covered with code compliant products. Rounding out our product offering with the Suntower<sup>™</sup> which brings bright twin 1000 Watt Stadium Lights on an easy to assemble unit with power distribution built right in, (and even a generator powered model!).

- Model 1000 : 70 Watt HPS and MH high brightness in a NEMA 3R rain rated design with magnet mounting and power receptacles built right in.
- Model 1000-F : Same great design and features of the popular 1000 with multiple fluorescent tube cool lighting
- Model 1000-EMBT : Housed in the popular model 1000-F is a 120 minute battery backup in the event of power failure great for confined spaces and safe operations
- Model 1000-MH & 1003-HPS : the large 6" magnet and die cast housing make this model a rugged contender for your lighting needs
- Suntower: 3 base models to choose from... Single and Dual Lights with winch operations and generator model Bright as the Sun

#### **Product Overview**



#### Task, Tent & Work Heavy Duty

From the versatile T8 All electronic-ballasted Model 800 Series, (Made in the USA), to the new greener version of our popular model 1100 series Heavy Duty All Weather Rubberized T8 lights, we have your Tent, Shelter, Task & Work Area lighting handled. Ericson makes a wide variety of all-weather, high brightness lights for many applications. Easy to use and built to last job after job, Ericson has the lighting products you need for your application.

Model 800 Series: Superior T8 tube lighting in a ruggedly designed rubberized housing which withstands lots of abuse. 2 ft to 5 ft models are available.

- Model 1140: New electronic auto Multi-Voltage ballast operates from 120 to 277 V 50/60 Hz without modification. Green T8 bulbs with miser ballast housed in the ultimate harsh environment design.
- Model 1239 : Same great features as the 1140 Series in a compact 2 ft light with BX tubes and high lumen output in a compact design. 120V only

#### Hand Lamps

- Commercial and light duty handlamps
- Industrial duty incandescent handlamps
- Vapor-Gard<sup>®</sup> handlamps
- Industrial fluorescent handlamps
- Industrial low voltage fluorescent handlamps
- 13W fluorescent handlamps with battery pack
- Low voltage handlamps with in-line transformer

#### **Hazardous Location**

Need lighting for Classified and Hazardous locations? We have the lighting you need to meet your safety and code conditions. With a long history of Hazardous location lighting safety, Ericson has the products and guality reputation as an original manufacturer of heavy duty Class 1 & 2, Div 1 & 2 Certified and Listed Products.

- 12 Volt Spot and Flood 2200 series mates with our popular low voltage transformers to ensure compliance in Classified areas
- Our 26W Fluorescent Model 2500 Handlamp comes as a handlamp alone (for your cord) or with 25 or 50 ft of cord and plug ready to go
- The Best Selling 2600 Series XP handlamp can operate with two types of bulbs, with or without cord and the ease of quick field repairs



#### **Specialty Use**

Our specialty lights meet the needs of special lighting situations. If you have a particular situation that needs lighting innovation and a solution, contact Ericson today. We can help.

• 500 Watt "Boiler Inspection" Light – 90 deg and straight tube that fits into a small opening for inspections - can be used in a variety of applications



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# **Types of Stringlights:**

There are several types of stringlights available. These types differ in construction and the environments for which they are designed to operate. The basic design of a stringlight set is a medium Edison base lamp socket electrically connected to a cord via several methods:

- 1. Mechanically Attached Sockets Like our model X-142100, these indoor rated stringlights use lamp sockets with insulation displacement or piercing pins to make the electrical connection through the cord jacket insulation. The socket is then held on with mechanical means and the stringlight is supported by hanger hooks at each socket location. Economically priced, these stringlights are normally used only a few times and then discarded.
- 2. Molded Sockets The design of these stringlights varies, but the basic design is a medium Edison base socket that is held in an overmolded material area attached to the cord. The electrical connections and socket are protected from the environments and this reduces corrosion and electrical faults. The cord jacket and the overmold material vary from manufacturer to manufacturer and the durability depends on this material formulation to ensure a watertight bond.

#### **Rules for Use:**

There are many rules governing the use of stringlights. These are a few of the more common questions that arise. Consult your local inspection authority before installing stringlights.

- 1. Length of Time Stringlights are normally used in *Temporary Use Locations* (defined by NEC Article 590) and the length of time is defined in that article.
- 2. Article 590.4 of the NEC 2008 states that all lamps will have protection from accidental contact or damage.
- 3. Two wire stringlights (no ground wire) must use non-conductive lamp guards.
- 4. Three wire stringlights can use metallic or non-metallic guards, but the metallic guards must be grounded with a continuous ground wire through the stringlight.
- 5. Depending on your local inspector, stringlights can be "hard wired" to a panel as long as there is no strain on the connection.
- 6. Stringlights must be held aloft by the hanging tabs located at each lamp socket and not by the cord/conductors unless permission by the manufacturer is given.
- 7. According to article 590 of the 2008 NEC, lighting circuits and power circuits in temporary locations should not be mixed. You should not protect a stringlight circuit with GFCI protection.

# Do's and Don'ts

- 1. Never use indoor rated stringlights in outdoor situations
- 2. Never install lamps with wattage greater than the manufacturer's specifications for that stringlight
- 3. Never operate stringlights without lamp guards in place replace any broken guards
- 4. Use hang tabs or a "messenger wire" to suspend stringlights over the work area

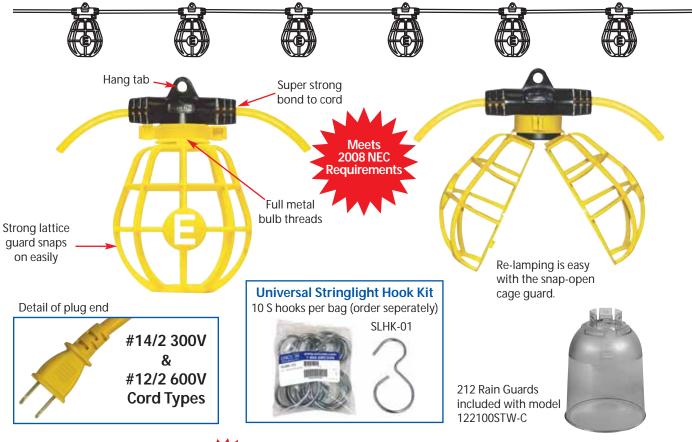
Contractor Grade Stringlights	Length	Wire Type	Guard Type (included)	Primary Plug	Secondary Connector
142100	100 Ft.	14/2 SJT 300V	Plastic Lattice 04201	Molded NEMA 1-15P	Molded NEMA 1-15C
X-142100	100 Ft.	14/2 Flat 300V	Plastic Lattice Snap-on	blunt	blunt
	<u>                                     </u>	E-Lite C	Commercial Grade Stringlights		
143100STWY-1L			Plastic Lattice 04201	Molded 5-15P	Molded 5-150
143100STWY-2L			Plastic Lattice 04201	Molded L5-15P	Molded L5-150
143100STWY-1W			Welded Wire 211	Molded 5-15P	Molded 5-150
143100STWY-2W		14/3 STW	Welded Wire 211	Molded L5-15P	Molded L5-15
143100STWY-1WP	100 Ft.	600V	Vinyl Coated Wire 211-P	Molded 5-15P	Molded 5-150
143100STWY-2WP			Vinyl Coated Wire 211-P	Molded L5-15P	Molded L5-15
143100STWY-1C			Clear Rain 212**	Molded 5-15P	Molded 5-150
143100STWY-2C			Clear Rain 212**	Molded L5-15P	Molded L5-15
122100STW	100 5	12/2 STW	Plastic Lattice 04201	Molded 1-15P	Molded L5-150
122100STW-C	100 Ft.	600V	Clear Rain 212**	Molded 1-15P	Molded L5-150
123100STWY-1L			Plastic Lattice 04201	Molded 5-15P	Molded 5-150
123100STWY-3L			Plastic Lattice 04201	Molded L5-20P	Molded L5-20
123100STWY-1W			Welded Wire 211	Molded 5-15P	Molded 5-150
123100STWY-3W		12/3 STW	Welded Wire 211	Molded L5-20P	Molded L5-20
123100STWY-1WP	100 Ft.	600V	Vinyl Coated Wire 211-P	Molded 5-15P	Molded 5-150
123100STWY-3WP			Vinyl Coated Wire 211-P	Molded L5-20P	Molded L5-20
123100STWY-1C			Clear Rain 212**	Molded 5-15P	Molded 5-150
123100STWY-3C			Clear Rain 212**	Molded L5-20P	Molded L5-20
50 ft. available - change <sup>-</sup>	100 to 50 **	Does not include bott	om snap-on cover		
ndustrial Grade Strin	glights				
143100Y-1		14/2 55014	Order Separately	1510-PW6P (NEMA 5-15P)	1610-CW6P (NEMA 5-15C)
143100Y-2		14/3 SEOW	Order Separately	1520-PW6P (NEMA L5-15P)	1620-CW6P (NEMA L5-15C
123100Y-1	100 Ft.		Order Separately	1510-PW6P (NEMA 5-15P)	1610-CW6P (NEMA 5-15C)
123100Y-2		12/3 SEOW	Order Separately	1520-PW6P (NEMA L5-15P)	1620-CW6P (NEMA L5-15C
123100Y-3			Order Separately	2310-PW6P (NEMA L5-20P)	2410-CW6P (NEMA L5-20C



#### Construct-O-Lite® – 2-Wire Contractor Grade Molded Stringlights

Comply with OSHA regulations and the NEC with these molded stringlights. No more open conductors that can be cut into by metal studs posing and extreme safety hazard. Several different models to choose from.

- Meets OSHA & Canadian WC construction site requirements
- Meets NEC/CEC requirements for temporary lighting
- Designed for applications that require rapid set-up/tear-down and an economy stringlight
- Full threaded screwshell to ensure proper contact
- Easy relamping with non-conductive, snap-open cage guard
- Built-in hanger for easy installation with messenger cable or hooks
- Standard models supplied with15Amp, 2-wire straight-blade (NEMA 1-15) plug & NEMA 1-15 connection
- #14/2 and #12/2 cord types



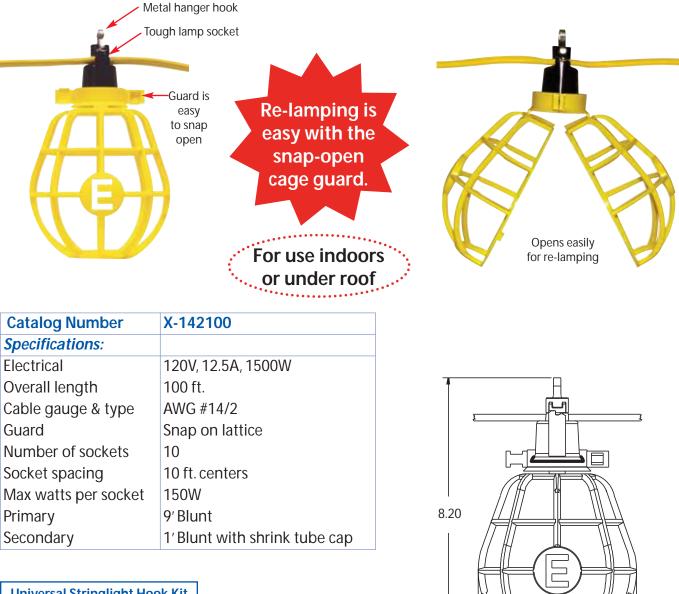
	Best #14/2 AWG		#12/2 AWG		
Item Number	Seller 142100	122100STV	V	122100STW-C	
Specifications:					
Electrical	120V/60Hz	120V/60Hz	2	120V/60Hz	
Overall Length	100 ft.*	100 ft.*		100 ft.*	
Cable gauge & type	14/2 SJTW 300V	300V 12/2 STW 600V		12/2 STW 600V	
Guard	04201 snap on lattice	04201 snap on l	lattice 212 Rain Guard		
Number of sockets	10	10		10	
Socket spacing	10 ft. centers	10 ft. center	s	10 ft. centers	
Vax watts per socket	150	150		150	
Primary	(I) NEMA 1-15 plug	(II) NEMA 1-15 pl	ug	NEMA 1-15 plug	
Secondary	NEMA 1-15 connection	NEMA 1-15 conn	ection	NEMA 1-15 connection	
NOTES: * 50 ft available - call for details			Not for u	use with short A19 type bulb	

 $\star$  temporary lighting  $\star$ 

## Construct-O-Lite® II – Light-Duty Flat Wire Stringlights

Comply with OSHA regulations and the 2008 NEC with these light duty stringlights. No more open conductors that can be cut into by metal studs posing an extreme safety hazard.

- Meets OSHA construction site requirements
- Meets NEC requirements for temporary lighting
- Designed for applications that require rapid set-up/tear-down and an economy stringlight
- Easy relamping with non-conductive, snap-open cage guard
- Built-in hanger for easy installation with messenger cable or hooks
- Accommodates one Type A-19 or one Type A-23 Lamp per socket max 150W





₩. €



4.90

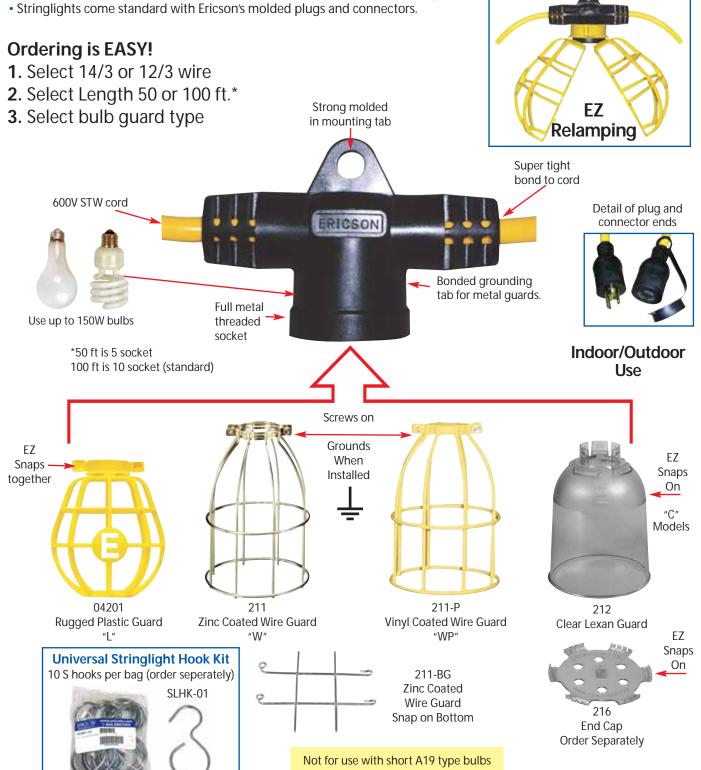
## E-Lite<sup>™</sup> 3-Wire Commercial Grade Molded Stringlights

- Meets OSHA construction site requirements 1926.405(a)(2)(ii)(E&F)
- Meets NEC requirements for temporary lighting 525.21(B), 527.4(F), 527.4(H)
- Designed for applications that require rapid set-up/tear-down and a 3-wire stringlight
- Full threaded screwshell to ensure proper contact
- Available with non-conductive, snap-open cage guard grounded wire guard or clear rain guards

2008 NE(

quiremer

- Built-in hanger for easy installation with messenger cable or hooks
- Units come standard with Extra-Hard-Usage ST cord in 50 ft. and 100 ft. lengths



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## E-Lite<sup>™</sup> 3-Wire Commercial Grade Molded Stringlights Selection Guide

Standard products come with 9 ft. primary (lead) and 1 ft. secondary (tail)

#### Stringlights with #12/3 STW Cable:

	#12/3 STW w/ Pla	stic Lattice Guard	#12/3 STW w/ W	ire Cage Guard*	12/3 STW w/Clear	Lexan Rain Guard**
50 ft. Overall Length	12350STWY-1L	12350STWY-3L	12350STWY-1W	12350STWY-3W	12350STWY-1C	12350STWY-3C
100 ft. Overall Length	123100STWY-1L	123100STWY-3L	123100STWY-1W	123100STWY-3W	123100STWY-1C	123100STWY-3C
Specifications:						
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
Overall Length	see above	see above	see above	see above	see above	see above
Cable gauge & type	12/3 STW	12/3 STW	12/3 STW	12/3 STW	12/3 STW	12/3 STW
Guard	04201 snap on lattice	04201 snap on lattice	211 Wire guard	211 Wire guard	212/216 Guard	212/216 Guard
Number of sockets: 50 ft. stringlights	5	5	5	5	5	5
100 ft. stringlights	10	10	10	10	10	10
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers
Max watts per socket:						
50 ft. stringlights	200	200	200	200	200	200
100 ft. stringlights	150	150	150	150	150	150
Plug***	(NEMA 5-15)	(NEMA L5-20)	(NEMA 5-15)	(NEMA L5-20)	(NEMA 5-15)	(NEMA L5-20)
Connector***	(NEMA 5-15)	(NEMA L5-20)	(NEMA 5-15)	(NEMA L5-20)	(NEMA 5-15)	(NEMA L5-20)

\* For vinyl coated wire guards add "P". Example 123I00STWY-1WP

\*\* 216 End caps ordered separately

\*\*\*50 ft. stringlight sets come with mechanically attached plugs. 100 ft stringlight sets come with molded on plugs and connectors

## Stringlights with #14/3 STW Cable:

	#14/3 STW w/ Plastic Lattice Guard		#14/3 STW w/ W	/ire Cage Guard*	14/3 STW w/Clear Lexan Rain Guard**		
50 ft. Overall Length	14350STWY-1L	14350STWY-2L	14350STWY-1W	14350STWY-2W	14350STWY-1C	14350STWY-2C	
100 ft. Overall Length	143100STWY-1L	143100STWY-2L	143100STWY-1W	143100STWY-2W	143100STWY-1C	143100STWY-2C	
Specifications:							
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	
Overall Length	see above	see above	see above	see above	see above	see above	
Cable gauge & type	14/3 STW	14/3 STW	14/3 STW	14/3 STW	14/3 STW	14/3 STW	
Guard	04201 snap on lattice	04201 snap on lattice	211 Wire guard	211 Wire guard	212/216 Guard	212/216 Guard	
Number of sockets:							
50 ft. stringlights	5	5	5	5	5	5	
100 ft. stringlights	10	10	10	10	10	10	
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	
Max watts per socket:							
50 ft. stringlights	200	200	200	200	200	200	
100 ft. stringlights	150	150	150	150	150	150	
Plug***	(NEMA 5-15)	(NEMA L5-15)	(NEMA 5-15)	(NEMA L5-15)	(NEMA 5-15)	(NEMA L5-15)	
Connector***	(NEMA 5-15)	(NEMA L5-15)	(NEMA 5-15)	(NEMA L5-15)	(NEMA 5-15)	(NEMA L5-15)	

#### NOTES:

\* For vinyl coated wire guards add "P". Example 123I00STWY-1WP

\*\* 216 End caps ordered separately

\*\*\*50 ft. stringlight sets come with mechanically attached plugs. 100 ft stringlight sets come with molded on plugs and connectors

#### **CONTACT ERICSON FOR YOUR CUSTOM STRINGLIGHT CONFIGURATIONS!**



Note: Products shown on this page may not be listed.

## 3-Wire Heavy Duty Molded Stringlights

- UL Listed and CSA Certified
- Meets OSHA construction site requirements 1926.405(a)(2)(ii)(E&F)
- Meets NEC requirements for temporary lighting 525.21(B), 527.4(F), 527.4(H)
- Designed for demanding industrial applications
- Full threaded screwshell to ensure proper contact
- Available with non-conductive, rain-guard or wire guard
- Built-in hanger for easy installation with messenger cable or hooks
- Units come standard with Extra-Hard-Usage SEOW cord in 50 ft. and 100 ft. lengths
- Stringlights come standard with Ericson's Perma-Tite® plugs and connectors



Molded bond of cord jacket to socket

Ground tab bonded



Not for use with A19 type bulbs

\*Guards sold separately

Super strong hanging tab

ALL INDUSTRIAL GRADE STRINGLIGHTS **COME WITH WATER-TIGHT NEMA 6P RATED PLUG & CONNECTOR** 

**Universal Stringlight Hook Kit** 10 S hooks per bag (order seperately) SLHK-01



**Custom Lengths** 

&

Socket Spacing

**Available** 

for metal guards\* Guards & guard end caps

sold separately on Heavy Duty stringlights

Full metal socket



### Heavy Duty 3-Wire Industrial Molded Stringlights

## Heavy-Duty Industrial 3-Wire Molded Stringlights Selection Guide

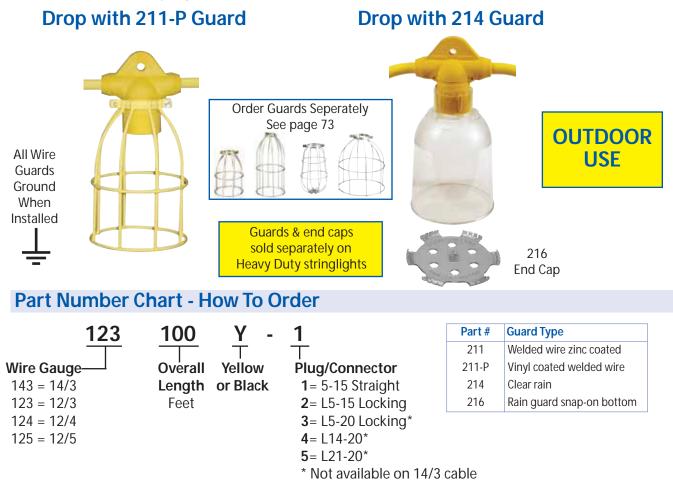
Standard products come wit	h 9 ft. primary (lea	d) and 1 ft. second	N	EW!	EW		
	#14/3 SEOW Cable		#1	2/3 SEOW Cab		240V #12/4 Cable	208V 3 Ph #12/5 Cable
50 ft. Overall Length	14350Y-1	14350Y-2	12350Y-1	12350Y-2	12350Y-3	12460Y-4	12560Y-5
100 ft. Overall Length	143100Y-1	143100Y-2	123100Y-1	123100Y-2	123100Y-3	124100Y-4	12590Y-5
Specifications:							
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	240V	208Y/120V
Overall Length	50 = 50 ft 100 = 100 ft	50 = 50 ft 100 = 100 ft	50 = 50 ft 100 = 100 ft	50 = 50 ft 100 = 100 ft	50 = 50 ft 100 = 100 ft	60 = 60 ft 100 = 100 ft	60 = 60 ft 90 = 90 ft
Cable gauge & type	14/3 SEOW	14/3 SEOW	12/3 SEOW	12/3 SEOW	12/3 SEOW	12/4 SEOW	12/5 SEOW
Guard	Not included see note 1	Not included see note 1	Not included see note 1	Not included see note 1	Not included see note 1	Not included see note 1	Not included see note 1
Number of sockets:							
Short stringlights	5	5	5	5	5	6	6
Long stringlights	10	10	10	10	10	10	9
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers
Max watts per socket:	See note 2	See note 2	See note 2	See note 2	See note 2	See note 2	See note 2
Plug*	-1	-2	-1	-2	-3	-4	-5
Connector*	-1	-2	-1	-2	-3	-4	-5
Color	Yellow**	Yellow**	Yellow**	Yellow**	Yellow**	Yellow**	Yellow**
* Connections	PLUG		CONNECTOR				
-1 =	1510-PW6P (NE	MA 5-15)	1610-CW6P (NEI	MA 5-15)			
-2 = 1520-PW6P (NEMA L5-15)			1620-CW6P (NEMA L5-15)				
-3 =	2310-PW6P(NE	MA L5-20)	2410-CW6P (NEMA L5-20)				
-4 =	L14-20P - 2320-	-PW6P	L14-20C - 2420-CW6P				
-5 =	L21-20P (non w	/ater tight)	L21-20C (non water tight)				
-4 =	L14-20P - 2320 L21-20P (non w	PW6P vater tight)	L14-20C - 2420-CW6P L21-20C (non water tight)				

\*\* Color = Yellow is standard - Replace "Y" with "B" in part number for all black. Example: 123100B-1

#### Notes

1: Order guards seperately - wire, coated or clear rain

2: For 10 skt strings 150 Watts is max per socket. For short strings up to 200 Watts per socket is permissable althoough socket may be marked 150W. 3: 214 Guard max is 150W bulb for any string.





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## Lamp Guards for Stringlights

- Heavy-Duty Rain-Guard®
- Meets OSHA requirements for temporary lighting: Temporary lights shall be equipped with guards to prevent accidental contact with bulb
- One-piece molded high-impact polycarbonate
- Prevents accidental contact with bulb
- Transparent to let light shine through while protecting bulb from jobsite debris and moisture
- Built-in vents dissipate heat and allow air-flow around bulb for cooling
- Matching polycarbonate end-cap available to provide complete bulb protection



	Collar Diameter				
Description	1-3/4"*	<b>1-</b> <sup>1</sup> / <sub>2</sub> ″*			
Guard Only	#214	#212			
Guard with end cap	#215	#226			
End cap only	#216	#216			

Length 6- 5/8". Diameter 4-11/16"

Accommodates up to 150 watt rough service lamps. \*214 guards fit heavy duty grade stringlights 212 guards fit commercial grade E-Lite stringlights





#### Heavy Duty Wire Lamp Guards Selection Guide Universal style plated or vinyl coated

Guard Style	#211	#220	#222	#224	
Lamp Size	up to 150 watt A-23-RS or 200 watt A-23/Std.	150 watt PS25 or 200 watt PS30-RS	150 watt A-23/RS or 200 watt A-23/Std.	PAR-38 or R-4	
Plated	#211	#220	#222-L	#224	
Vinyl coated	#211-P	#220-P	#222-LP	#224-P	
Collar Diameter*	1-3/4"*	1-3/4"*	1-3/4"*	1-3/4"*	
Dimensions	Length 7" Diameter 4-3/4"	Length 10" Diameter 5"	Length 6-1/2" Diameter 4"	Length 7-1/2" Diameter 6-1/2"	

#### NOTES:

1. For use with E-Lite  ${}^{\rm \scriptscriptstyle M}$  Series stringlights & heavy-duty molded stringlights.

### Socket Sleeve

The Socket Sleeve adds an extra layer of environmental protection between the elements and the socket. It slips easily over the socket and seals tight around the lamp. The socket sleeve is available for the E-Lite and the heavy-duty industrial string lights.



## Stringlight Assembly Configurator

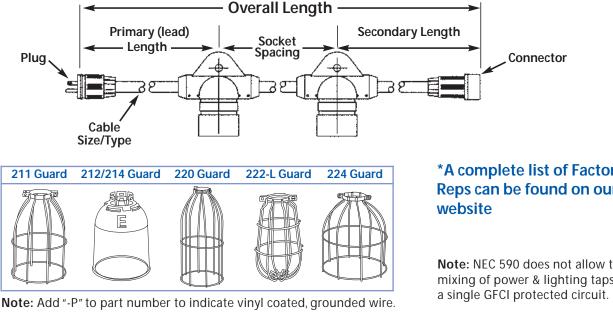
Name:	Easy as 1-2-3
Company:	<ol> <li>Fill in all information</li> <li>Select grade &amp; colors</li> </ol>
Phone:	<b>3. Fax:</b> 1-440-951-1867
e-mail:	or Scan/e-mail:
	info@ericson.com

## Stringlight Assembly Configurator

## Grade of Stringlights

Commercial Grade (STW 600V Cable & E-Lite Sockets) Overall Length: \_ □ Industrial Grade (Heavy Duty Sockets & SEOW 600V Cable) Primary (Lead) Length: \_\_\_\_\_ E-Lite Socket Heavy Duty Socket Secondary (Tail) Length: Plug (ex: 1510-PW6P): \_\_\_\_\_ Connector (ex: 1610-CW6P): \_\_\_\_\_ Cable Size/Type (ex: #12/3 SEO): \_\_\_ (Note: Wire guards require ground wire) 150W Rated 200W Rated Medium Duty Cable Color: Heavy Duty Rubberized Feel Good All Around Performance Great Low Temp Operation Total Number of Lamp Sockets: • 1-1/2" Guard Collar Diameter 1-3/4" Guard Collar Diameter Spacing between Sockets: Color Lamp Guard Type (select from list below): **Heavy Duty Style E-LIte Style** 214 220 222-L 224 □ Black "T" with Yellow Cord 211 □ Yellow "T" With Yellow Cord 211-P 212 220-P 222-LP 224-P □ Black "T" with Black Cord Black "T" With Black Cord □ Yellow "T" With Black Cord

The drawing below is intended to serve as a reference tool to assist in the specification of your custom assembly.



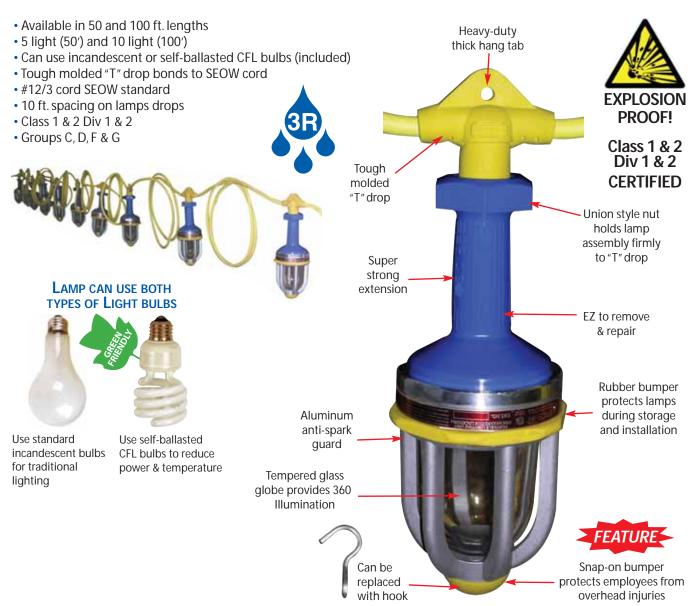
214 has a 1-3/4" diameter collar • 212 has a 1-1/2" diameter collar.

\*A complete list of Factory Reps can be found on our

Black "T" With Black Cord

Note: NEC 590 does not allow the mixing of power & lighting taps on

### Hazardous Location Explosion Proof Stringlights



### Hazardous Duty Stringlight Selection Guide

Model	Overall Length (ft)	# of Lamps	Lamps Installed	Lamp Center Spacing (ft)	Lead Cord Length (ft)	Plug <sup>1</sup>	Connector <sup>1</sup>	
12350XPI-BL	50	5			9	blunt u-add	blunt u-add	
123100XPI-BL	100	10			9	blunt u-add	blunt u-add	
12350XPI-1	50	5			9	5-15P (1510-PW6P)	5-15C (1610-CW6P)	
123100XPI-1	100	10	120V Incandescent <sup>2</sup>		9	5-15P (1510-PW6P)	5-15C (1610-CW6P)	
12350XPI-3	50	5				9	L5-20P (2310-PW6P)	L5-20C (2410-CW6P)
123100XPI-3	100	10		10	9	L5-20P (2310-PW6P)	L5-20C (2410-CW6P)	
12345XPI-1-LP	45	3			10	24	5-15P (1510-PW6P)	5-15C (1610-CW6P)
12365XPI-1-LP	65	5			24	5-15P (1510-PW6P)	5-15C (1610-CW6P)	
12350CFLXPI-BL	50	5				blunt u-add	blunt u-add	
123100CFLXPI-BL	100	10	1001/CEL Edicor Door		10	blunt u-add	blunt u-add	
12350CFLXPI-1	50	5	120V CFL Edison Base <sup>3</sup>		10	5-15P (1510-PW6P)	5-15C (1610-CW6P)	
123100CFLXPI-1	100	10				5-15P (1510-PW6P)	5-15C (1610-CW6P)	

#### NOTES:

1. Plug is not explosion proof and is intended to be used outside of the hazardous area

- do not connect to live powered circuit

2. 75W 120V incandescent

3. 23 Watt self-ballasted CFL bulb included

4. Contact factory for custom assemblies





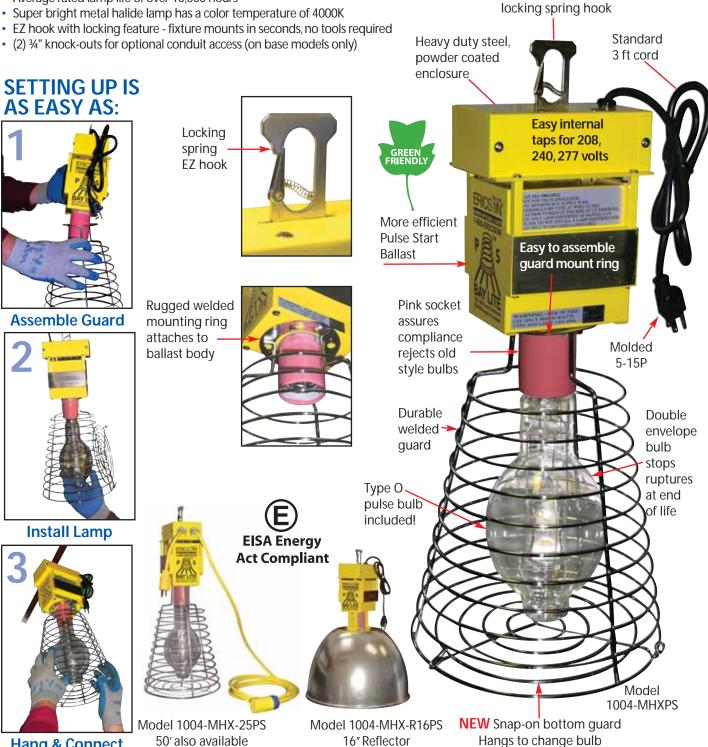
st tempopapy lighting st

Class 1, Div. 1 Style Plug & Connector Available

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## 400 & 250 Watt Pulse Start Metal Halide Temporary Light Fixture

- Pulse Start ballast meets the requirements of the Energy Independance Act of 2007
- CUL Listed suitable for damp locations
- · Open-air ballast for cooler operation
- Multi-Tap ballast: 120V, 208V, 240V, 277V: Factory wired at 120V
- Base models have 3 ft 18/3 power cord with 5-15P molded plug. Feed thru models have 14/3 molded primary and secondary cords attached. (see chart)
- Clear metal halide pulse type O lamp included (NEC 2008 Compliant)
- Average rated lamp life of over 10,000 hours
- Super bright metal halide lamp has a color temperature of 4000K
- (2) <sup>3</sup>/<sub>4</sub>" knock-outs for optional conduit access (on base models only)



DAMP

LOCATION

RATED

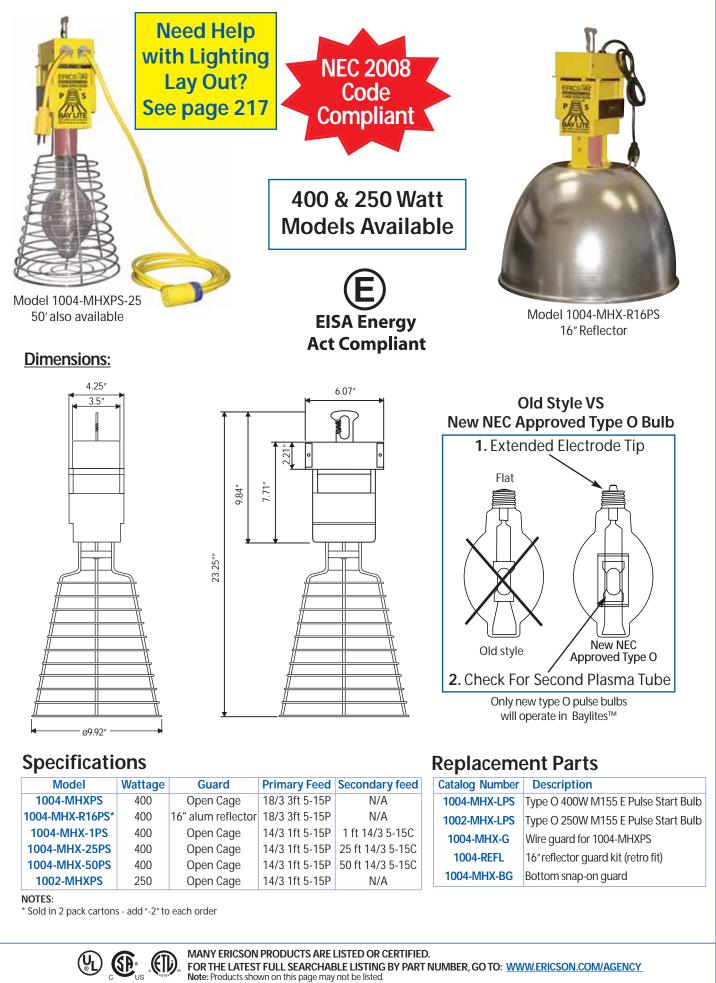
Approved

"One hand" easy to hang

卷 TEMPOPAPY LIGHTING 🗶

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Hang & Connect



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## Handlamp Selection Guide

Descriptions	Page #	Light Duty	Medium Duty Commercial	Heavy Duty Industrial	Vapor Proof Industrial	Explosion Proof - Hazardous Location	120 Volt Models	12 V Models	Incandescent Bulb Models	Fluorescent Bulb Models	U Add- a-Cord Models	Pre-wired Cord Connected Models
2900 Series		•					٠		•			•
800 Mini - Lite Fluorescent		•					•			•		•
400 Series Angle		•					•			•		•
500 Series Pivot			•				•			•		•
7 Series Single Bulb			•				•		•		•	•
9 Series Single Bulb			•				•		٠		•	٠
700 DHH Dual Bulb Series				•			•		•		•	•
70-NG Series					•		•	•	•		•	•
900 Series Fluorescent				•			•	•		•	•	•
926 Series Fluorescent				•			•	•		•	•	•
1917 Series 30 Watt			•				•	•	•			•
1918 Series 30 Watt			•				•	•	•			•
1950 Series 30 Watt				•				•	•			•
1924 Series					•		•	•	•			•
1926 Series						•	•	•	•			•
2200 Series						•	•		•			•
2500 Series						•	•			•	•	•
2600 Series						•	•	•	•	•	•	•



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#### 200, 300, 400 & 500 Series Fluorescent Handlamps

	Clear lense Receptacle	Work hook Magnet On/off switch	Multi position flip action	On/off switch Receptacle Magnet base		
	400 Series Angle Lights	Magnet Mount     Receptacle     On/Off Switch	500 Series Pivot Lights	Magnet Base     On/Off Switch     Folds     Receptacle		
	13-wa	tt AC	1:	3-watt AC		
with 25' cord	413-	-25	513-25			
with 50' cord	413-	-50				
Electrical Ratings	120V, e	60Hz	120V 60HZ			
Cord Size/# Conductors	#16	/3	#16/3			
Cord Type	SJTC	SJTOW		SJTOW		
Ballast Location	Han	Handle		Base		
Power Inlet	Molded NEMA 5-15 plug		Molded NEMA 5-15 Plug			
Power Receptacle Rating	NEMA 5-15 12	20V, 13Amps	NEMA 5-15 120V, 13Amps			

# Light Duty Fluorescent Handlamps • Cool glare-free light ideal for close-up work

- Fluorescent tube protected by clear butyrate lens
- Lamp secured by shock-absorbing retainers
- Flexible hook for easy positioning
- Shatter-resistant plastic housing



	15-watt
with 25' cord	801-25
Specifications:	
Electrical Ratings	120V, 60Hz
Replacement lamp	F15T8/CW
Ballast Location	Integral with plug
Plug	NEMA 5-15
Switch	Yes
Overall Length	26
Max. O.D.	2-1/8
Weight	2.5 lbs.

## Light Duty Incandescent Handlamps: 2900 Series

For many applications the 2900 Series hand lamp offers an economical alternative and proven performance. Typical applications include general maintenance, construction, remodeling, demolition and repair work.

#### 2900 Series Hand Lamps

- UL & CUL Listed
- Includes switch
- Lightweight and compact 50' cord length with molded
- Handle constructed of high-impact black nylon
- on NEMA 5-15 plug • Receptacle in handle

with 25' cord with 50' cord	2900 Series 2925 2950	
Specifications:		
Electrical Ratings	120V, 60Hz	
Max. Wattage	100 watt	
Cord Size/# Conductors	#16/3	
Cord Type	SJTW	
Plug	Molded NEMA 5-15 plug	
Switch	Yes	
Outlet in Handle	Yes (NEMA 5-15)	2900
Reflector Guard	Yes	
Swing Open Guard	Yes	
Swivel Hook	No	



## 7 & 9 Series Industrial Duty Incandescent Handlamps

- UL Listed and CSA Certified, ETL and CETL Listed
- Molded flexible handle impervious to impact and resistant to jobsite chemicals
- Standard with NEMA 5-15 side outlet (9 Series only)
- Available with optional switch
- Wide selection of pre-wired handlamps and component parts
- Ericson's exclusive Safety Yellow and Blue color combination for easy identification
- Prewired models come with #16/3 SOW cord and Ericson's 1510-PG Perma-Grip<sup>™</sup> plug

## **SPECIFICATIONS**

#### Material Proprietary Rubber Lampholder/Cord Entry Seal: Rubber Screwshell: Tin-plated brass Side Outlet: NEMA 5-15R (900 Series only) 7425-R 9425-R Electrical shown shown Operating voltage: 120V or 12V (bulb choice) **Mechanical** Color: Yellow Cord Types: SOW Up to 14/3 SOW Weather resistant socket Superior low temperature performance moisture and dirt. CUSTOMIZE One-piece encapsulated cover molded around screw shell and wire leads. Need to ensure that your 6" long leads #14 AWG handlamps stay on the jobsite? Code compliant grounding clip is furnished standard on all hand lamps to **Customize with:**

- Color
- Handle marking
- Cord marking



ERICSON WEREACTURING COMPANY HAN ERICSON CON 1-800-ERICSON

\*These lamps have one or more approvals



Rubberized Heavy Duty

Design

Flexible neck seals around lamp bulb to resist entry of

Internal fiber strain relief disc removes tension on wiring connections.

Optional switch available on all hand lamps.

One-piece smooth molded handle insulates and resists grease, oils solvents, extreme temperatures and moisture; smooth surface cleans easily retains radiant yellow safety color over its long life.

Restricted cord opening

resists entry of moisture

and dirt, accommodates

wire sizes # 18/2 SJO

through #14/3 SO.

provide safety ground

for wire guards.

			<b>7</b> Se	eries	<b>9</b> Se	9 Series		
Complete Ready To Wire or Cord Supplied Lamps								
Handlamp Ha	andles w/Gua	rd						
Reflector	Switch	Cord Length	Closed-end	Closed-end	Closed-end	Closed-end		
No	No	N/A	744	718	944	918		
No	No	N/A	744-I	718-I	944-I	918-I		
Yes	No	N/A	744-R	718-R	944-R	918-R		
Yes	Yes	N/A	744-RS	718-RS	944-RS	918-RS		
No	Yes	N/A	744-S	718-S	944-S	918-S		
Pre-Wired Mo	odels with SO	W cord and NE	MA 5-15 Plug					
	Vinyl nsulate Guards wailab	5						
No	No	25′	7425	7825	9425	9825		
No	No	25′	7425-I	7825-I	9425-I	9825-I		
Yes	No	25′	7425-R	7825-R	9425-R	9825-R		
No	No	50′	7450	7850	9450	9850		
No	No	50′	7450-I	7850-I	9450-I	9850-I		
Yes	No	50′	7450-R	7850-R	9450-R	9850-R		
No	Yes	25′	7425-S	7825-S	9425-S	9825-S		
Yes	Yes	25′	7425-RS	7825-RS	9425-RS	9825-RS		
No	Yes	50′	7450-S	7850-S	9450-S	9850-S		
Yes	Yes	50′	7450-RS	7850-RS	9450-RS	9850-RS		
Specifications				<u>.</u>				
Electrical Ratir	-			60Hz		60Hz		
Cord Size/# Co	onductors		#10		#14			
Cord Type				)W	SC			
Plug			NEM/	A 5-15	NEMA	\$5-15		
Notes:					Г	All Weather Switch		

1. Consult factory for custom assemblies

2. Bulbs are not furnished with handlamps

3. Vinyl insulated guards available: Add "I" to catalog number to specify (not on R models).

4. Switch available: Add "S" to catalog Number to specify. Example 7425-R becomes 7425-RS



\* TEMPOPARY LIGHTING \*



(U) CONTRACTOR OF CONTRACTOR O

#### For For For **PS25 PS25 PS25 Bulb** Bulb Bulb **Closed End** Wire Guards No Reflector 104 118 104-I 118-I With Reflector 104-R 118-R **Open End** For For Wire Guards For PAR PAR For **PS25 PS25** 38 38 Bulb Bulb **Bulb** Bulb 107 107-I 119 No Reflector 150-l 150 With Reflector 107-R 119-R

Note - These open end guards are no longer certified or listed, per UL 153 Standard. Adding these guards to a handlamp constitutes a product that can't be UL listed.

## **Replacement parts**

7 Series Handles 9 Series		9 Series I	Handles	Socket, Ground Clip & Switch for use with 7 and 9 Series Handles				
							8	
No Switch	With Switch	No Switch with Receptacle		Switch ceptacle	Socket with 6" leads	Ground Clip with lead	Switch with weathe	
Handle Only								
7	7-S	9	9	-S	44-W	710	79	
Handle Assembly	(with socket & gr	ound clip)						
7-A	7-SA	9-A	9-	SA				
	<ul> <li>7 Style I</li> <li>Molded plu</li> <li>With groun</li> <li>Socket wire</li> <li>Just add gu</li> </ul>	g end d tab for wire gua d	Just Ac a Guar ards		• Red • Mo • Wit • Soo	<b>Etyle Hand</b> ceptacle in hand olded cord plug th ground tab for cket wired st add guard	le	
7 Style Handle Pre-Wi	7 Style Handle Pre-Wired			9 Style H	andle Pre-Wired			Cat.#
Handle With 25 Ft #16/3	Handle With 25 Ft #16/3 SOOW Cord & 5-15 Plug - No Switch			Handle Wi	ith 25 Ft #16/3 SOO	W Cord & 5-15 Plug	- No Switch	9-A25
Handle With 50 Ft #16/3		U U	7-A50		ith 50 Ft #16/3 SOO	0		9-A50
Handle With 25 Ft #16/3		Ũ	7-SA25		ith 25 Ft #16/3 SOO	0		
Handle With 50 Ft #16/3	3 SOOW Cord & 5-15	Plug - With Switch	7-SA50	Handle Wi	ith 50 Ft #16/3 SOO	W Cord & 5-15 Plug	- With Switch	9-SA50

Lamp Guards for 7 and 9 Series Handlamps

## **Rubberized Handlamp** Without Transformer

### 12 Volt AC

Low voltage hand lamps	Model
with 50' cord (5-15 plug)	1946-12
with 50' cord (CF plug)	1946-12CF
Primary Voltage	12-14 VAC
Maximum Wattage	100 watts
Cord Type	#14/3 SOW

Consult factory for custom assemblies

## 12VAC Model (744 Style) 1946-12



#### **Requires 12-14 VAC source**



### Low Voltage Transformers

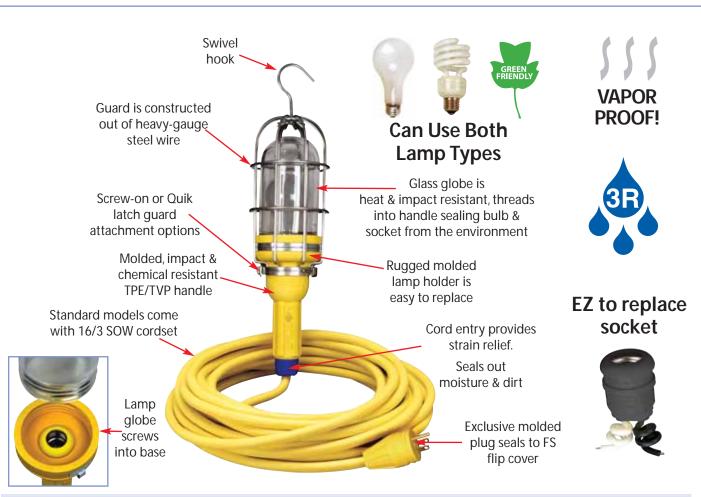
1940-12

Ericson's Heavy duty isolation-type low voltage transformers feature low voltage safety and extreme weather resistance. Designed for demanding environments, these transformers withstand long periods of rugged use. Available in 12 Volt models with either 2 or 4 outlets. Each outlet is covered by Ericson's flip seal cover to provide added protection against the most extreme environments such as: boiler inspection, work inside drums, tanks and vessels. In damp, confined locations it is imperative that line voltage be reduced to eliminate the hazards of shorts and shock and to meet the requirements of OSHA/NEC/CEC.

See the complete details of these transformers on page 93



### 70-N Vapor-Gard® Handlamps



## **SPECIFICATIONS**

## Vapor-Gard<sup>®</sup> Handlamps: 70N Series

- Molded handle impervious to impact and resistant to jobsite chemicals
- Glass globe is heat and impact resistant and threads into handle sealing bulb and socket
- Guard is constructed out of heavy-gauge steel wire and finished with a Zinc-Chromate plating to resist corrosion
- Optional Quik-Latch guard makes bulb changes easy – No tools required
- Cord entry provides strain relief and seals out moisture
   and dirt
- Wide selection of pre-wired handlamps and component parts
- Ericson's exclusive Safety Yellow and Blue color combination for easy identification
- Prewired models come with #16/3 SOW cord and Ericson's molded sealing plug

#### Material

- Proprietary Rubber
- Lampholder/Cord Entry Seal: TPE
- Screwshell: Tin-plated brass
- Lamp Guard Plating: Zinc-chromate

#### Electrical

- Operating voltage: 120V or 12V
  Mechanical
  - Can use cord types: up to 12/3 SOW



# Vapor-Gard<sup>®</sup> Hand Lamps Are Grounded Not Available With Switch

Meet OSHA Requirements: 1926.403(g) 1926.405(j)(iii)

Meet National Electrical Code Requirements. 410-42(a) (b) 410-44 410.82 410.62

#### **70NG Series Handlamps**

		•					
Catalog Number	Cord Length	Cord Type *	Plug	Guard Type	Reflector	Vinyl Coated	Voltage**
70-NG	u-add	u-add	u-add	702	No	No	12 - 240V
70-NGR	u-add	u-add	u-add	702-R	Yes	No	12 - 240V
70-NGQL	u-add	u-add	u-add	703	No	No	12 - 240V
70-NI	u-add	u-add	u-add	704	No	Yes	12 - 240V
70-NI25	25	#16/3 SOW	Molded-on 5-15P	704	No	Yes	125V
70-NI50	50	#16/3 SOW	Molded-on 5-15P	704	No	Yes	125V
70-NG25	25	#16/3 SOW	Molded-on 5-15P	702	No	No	125V
70-NG50	50	#16/3 SOW	Molded-on 5-15P	702	No	No	125V
70-NG100	100	#16/3 SOW	Molded-on 5-15P	702	No	No	125V
70-NGR25	25	#16/3 SOW	Molded-on 5-15P	702-R	Yes	No	125V
70-NGR50	50	#16/3 SOW	Molded-on 5-15P	702-R	Yes	No	125V
70-NGR100	100	#16/3 SOW	Molded-on 5-15P	702-R	Yes	No	125V
70-NGQL25	25	#16/3 SOW	Molded-on 5-15P	703	No	No	125V
70-NGQL50	50	#16/3 SOW	Molded-on 5-15P	703	No	No	125V
70-NGQL100	100	#16/3 SOW	Molded-on 5-15P	703	No	No	125V
1948-12	50	#14/3 SOW	Molded-on 5-15P	703	No	No	12 Volt***
1948-12CF	50	#14/3 SOW	1507-P Crowsfoot	703	No	No	12 Volt***
1948-12CFR	50	#14/3 SOW	1507-P Crowsfoot	702-R	Yes	No	12 Volt***

\* Ericson uses Extra Hard Use 600V cord to ensure long lasting performance and sized to the electrical load ampacity

\*\* Voltage is determined by the bulb used. - Bulbs not included with "70" series handlamps

\*\*\* 12 Volt Incandescent Bulb included - "1948" models only



#### **Replacement Parts**

Description	Catalog Number
Screw-release guard, no reflector	702
Screw-release guard with reflector	702-R
Quik-Latch guard	703
Screw-release guard, vinyl coating	704
Glass globe	707
Handle only, no socket, no cord nut/grommets	708
Socket with pigtails	44-W
Repair Kit with socket tool	712
12V 75W incandescent bulb	1935-12



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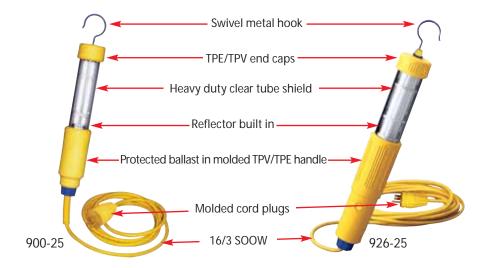
### Industrial Fluorescent Handlamps

Ericson's Portable Fluorescent Hand Lamps are ruggedly constructed for service in industrial applications, construction, shipbuilding, public utilities, paper mills, food processing, chemical plants and other areas where a rugged cool, non-glare lamp is needed.

#### **Features**

- OSHA Compliant Meets OSHA regulations for wet and other conductive locations.
- Cool, Glare Free Light Ideal for those applications where hot, glaring light can be a hazard.
- Switch (optional) Heavy duty rubber boot, push on/off operation, seals out water.
- Field Serviceable Field repairs are quick and convenient with a wide-range of replacement parts.
- Rubberized Handle is non-conductive, non-corrosive and easy to grip.
- Flex Strain Relief Provides added protection for cord at critical bending points.
- High -Visibility dual-color safety system for easy identification on the jobsite
- Lightweight Non-conductive construction with high-impact lens.
- Ballast Enclosed in handle, so it's easy to move around the jobsite.
- Plug Molded on sealing plug mates with water tight.





## 900 Series-Fluorescent Work Lights

	13 Watts	26 Watts
with 25 ft. cord - no switch	900-25	
with 50 ft. cord - no switch	900-50	
with 25 ft. cord and switch	900-25S	926-25
with 50 ft. cord and switch	900-50S	926-50
Without Cord	900-L0	926-L0
Specifications		
Electrical Ratings	120V, 60Hz	120V, 60Hz
Primary Cord Length	see above	see above
Ballast Location	Handle	Handle
Cable Gauge/Type (Base Units Only)	#16/3 S00W	#16/3 S00W
Molded on Plug	NEMA 5-15	NEMA 5-15
Bulb Type	F13DBX23T4/SPX41	F26DBX/SPX41
Initial Lumens	825	1710
Color Rendition Index (CRI) <sup>(2)</sup>	82	82
Color Temperature (K) (3)	4100	4100
Avg. Rated Bulb Life (Hours)	10000	10000
Low Temp Start	32 °F (0 °C)	10 °F (-12 °C)
Fixture Weight (w/ 25ft cable)	2.5 lb	1.87 lb
Replacement Parts	900 Style	926 Style
End cap with hook, replacement	901	926-EC
Tubeshield, replacement	902	926-TS
Lamp T5 13W OR 26W, replacement	903	926-CF
Cushion, lamp, kit (Model lamp specific)	904	926-RS
landle w/ ballast & socket - 25' cord set	905	926-BAL25
Handle w/ ballast & socket - 50' cord set	906	926-BAL50
Cordset replacement, both models 120V 25'	926-CRD120V25	926-CRD120V25
Cordset replacement, both models 120V 50'	926-CRD120V50	926-CRD120V50

Notes:

1. Consult factory for custom assemblies

2. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the more true the color appears (ie grey vs green)

3. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light

4. LO models are not UL listed



### 926 Series Low-Voltage Fluorescent Handlamps

The next generation of OSHA Compliant temporary lighting is now available. Low Voltage Fluorescent Fixtures are an ideal alternative to the hot, glaring light produced by incandescent fixtures.

**OSHA 1926.405(a)(2)(ii)(G):** "Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 volts or less.

- OSHA Compliant Meets OSHA regulations for confined space requirements.
- Outdoor Use Fixture is rated or demanding outdoor & in-plant environments.
- Cool, Glare-Free Light Ideal for those applications where hot, glaring light can be a hazard.
- Switch (optional) Heavy duty rubber boot, push on/off operation, seals out water.
- Field Serviceable Field repairs are quick and convenient with a wide-range of replacement parts.
- Rubberized Handle is non-conductive, non-corrosive and easy to grip.
- Flex Strain Relief provides added protection for cord at critical bending points.
- High-visibility dual-color safety system for easy identification on the jobsite
- Lightweight non-conductive construction with high-impact lens.
- Ballast Enclosed in handle, so it's easy to move around the jobsite.



low voltage transformer

26 Watt Low-Voltage Fluorescent Handlamps				
w/ 25 ft.cord	926-25LV <sup>(3)</sup>			
w/ 50 ft. cord	926-50LV <sup>(3)</sup>			
Specifications				
Electrical Ratings	12VAC/26 Watt			
Ballast Location	In Handle			
Switch Location	In Handle			
Cable Gauge/Type	#16/3 SOOW			
Plug (Crowsfoot 💭)	1507-PW6P			
Bulb Type	F26DBX/SPX41			
Initial Lumens	1710			
Color Rendition Index (CRI) (1)	82			
Color Temperature (K) (2)	4100			
Avg. Rated Bulb Life	10,000 hours			
Low Temp Start	10F (-12C)			
Fixture Weight:	1.87 lbs			

#### Notes:

- 1. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the more true the color appears (ie grey vs.green)
- 2. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light
- 3. For use with 12VAC power source; Ericson CF Series transformers
- 4. Also available in a DC version. Consult factory for custom assemblies



#### 13W Fluorescent Handlamp with Battery Pack

These portable work lights are designed to meet the need for safe, temporary, economical task lighting when electricity isn't available. They are versatile, light-weight and can be used for a wide variety of lighting applications.

- Watertight construction with push button switch
- Heavy duty hard use 13 watt PL 13 twin tube Fluorescent hand lamp
- · Heavy duty hard use cord 24" retracted length 1:5 ratio (10 ft. ext.)
- Strong wide belt with heavy duty use bag - fits up to 50" waist - easily fits over your jacket
- Bag material, 600 denier polyester with PVC backing
- Water resistant
- Long use battery gives up to 6 hours with full charge
- Lightweight only 5.5 lbs
- 120VAC 60 HZ wall plug-in charger 12VDC out 1.2A



913-BP

## 13W Fluorescent Handlamp with 913BP Battery Pack

Ite	m Number	913-BP
Specifications		
Electr	ical Ratings	12VDC Battery Operated
Primary C	ord Length	2 ft. Coiled (10 ft max)
Balla	st Location	Handle
NEMA 1	YPE Rating	4X
Cable Gauge/Type (Base	Units Only)	#18/2
	Plug	n/a
	Bulb Type	F13DBX23T4/SPX41
Ini	tial Lumens	810
Color Rendition Ir	ndex (CRI) (1)	82
Color Tempe	rature (K) (2)	4100
Avg. Rated Bulb	Life (Hours)	10000
Low	Temp Start	32° F (0° C)
riw.	ura Maialat	1.5 lb handlamp
FIX	ure Weight	5.5 lb battery pack
	Battery Life	6 hours with full charge
В	attery Type	Leak proof sealed lead acid 12 VDC 7.2 AH
Batte	ry Pack Belt	Wide comfortable - up to 50" waist

#### Notes:

1. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the truer the color appears

2. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light

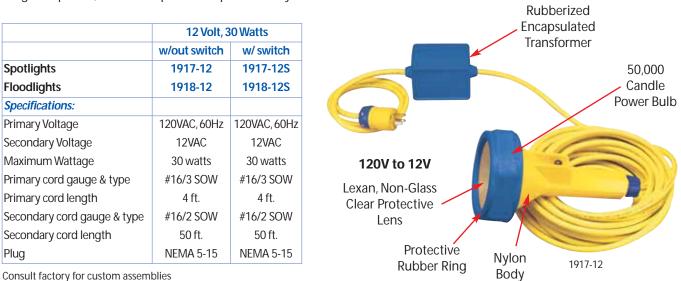


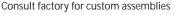
### Industrial Low Voltage Handlamps, Spot Lights/Floodlights

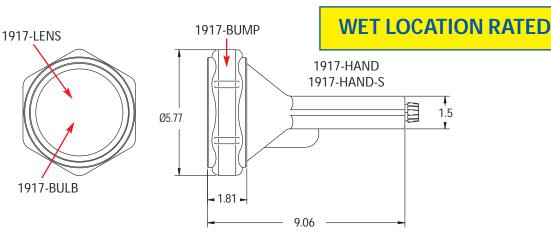
Ericson's Industrial Low voltage Spot and Flood handlamp has many features for specific applications that require the highest quality rugged lighting.

- All non-metallic construction
- Non-glass lens for food & beverage processing work
- Can be mounted to an electric cord reel (call for details)
- Large rubberized cushion will not mare or scratch surfaces
- Drop and abuse resistant design and construction
- Switch has all weather boot covering for water tight operation
- Rubberized sealed inline transformer assembly converts 120 to 12 VAC
- High output 50,000 candle power lamp draws only 30 watts

- **GREAT FOR:**
- Food processing
- Beverage tanks
- Beer, wine, spirit distilling







### **Replacement Parts**

Catalog Number	Description
1917-LENS	Lens - Lexan, non-glass
1917-CORD	Complete cord & transformer assembly (both 1917 & 1918)
1917-HAND	Handle assembly without cord assembly
1917-HAND-S	Handle assembly with switch without cord assembly
1917-BULB	50K candle power spot 30W 12V
1917-BUMP	Bumper protective ring

## **Extension Lights for Secondary Side of Transformers**

Tough non-metallic design and non-glass lens makes this 12V Extension Light an excellent choice for all food and beverage processing facilities that require low voaltage confined space tank entry and inspection. 2 Models are available with standard NEMA 5-15 and Ericson's Exclusive "Crowsfoot" plug for low voltage operations. The lights connect to our 1940 & 1941 Series Low Volatge Transformers for easy plug-n-play operation. Built tough to last job after job.



	1950-12	1950-12 CF <sup>2</sup>
Specifications:		
Input (primary) voltage	12 VAC	12 VAC
Cord gauge/type	#16/3 SO	#16/3 SO
Cord length	50 ft.	50 ft.
Plug	NEMA 5-15	Crowsfoot
Included lamp	12 V/30 watt	12 V/30 watt

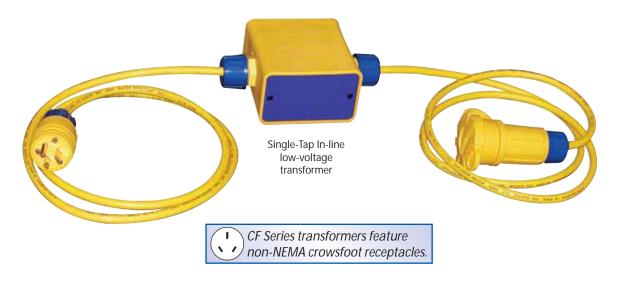
NOTES: 1. Contact factory for custom assemblies

2. Factory wired with water tight crowsfoot plug to mate with CF series transformers

## Single-Tap In-line Low-Voltage Transformer

- Ideal for when you need only one outlet
- Converts 120VAC/60Hz to 12VAC (30VA max)
- Compact size is easy to use, store and transport
- Complies with OSHA requirement 1926.405(a)(2)(ii)(G)
- For use with 1950 or 926LV series handlamps



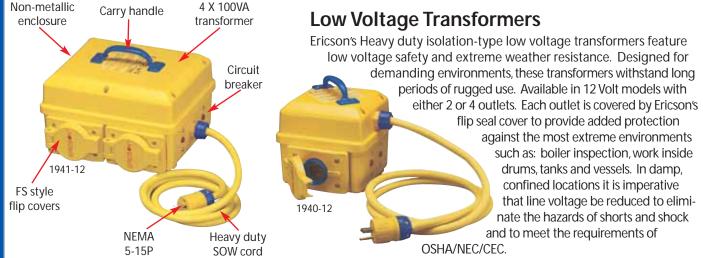


Catalog Number	Description
LVT-12-ST	Low voltage transformer, 12Volt, 5-15 plug & single tap
LVT-12-STCF	Low voltage transformer, 12Volt, 5-15 plug $\&\$ single tap non-NEMA crowfoot connector



MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

### Low Voltage Transformers



CF Series transformers feature non-NEMA crowsfoot receptacles.

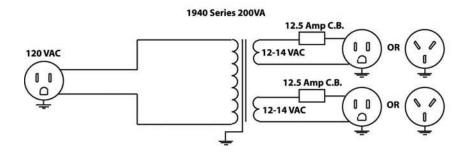
- Transformers convert 120VAC/60Hz line voltage to12VAC
- Corrosion resistant enclosures are made from nonconductive engineering resin so they are resistant to impacts, and jobsite chemicals such as acids, alkalines, oils and salts
- NEMA 5-15 outlets are rated at 100va each (CF models use crows foot style)
- Outlets operate independently of each other 4 x 100va outputs
- Circuit breakers wired individually to each receptacle and operate independently of each other - if one circuit opens the other continues to operate

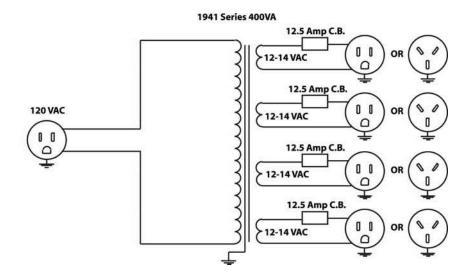
	12 Volt Tra	nsformers
With NEMA 5-15 Outlets	1940-12	1941-12
With Non-NEMA Crowsfoot Outlet	1940-12CF	1941-12CF
Specifications:	200 VA	400 VA
Number of Outlets (lamps)	2	4
Outlet Configuration (1)	NEMA 5-15 🛛 👔	Crowsfoot 🕔
Input (primary) voltage	120V/60Hz	120V/60Hz
Output (secondary) voltage	12V, 200VA (2 x 100VA)	12V,400VA (4 x 100VA)
Outlet Rating (each)	10Amp/100VA	10Amp/100VA
Cord gauge/type	14/3 SO	14/3 SO
Cord length	6 ft.	6 ft.
Plug (1)	NEMA 5-15	NEMA 5-15
Enclosure Environmental Rating	TYPE 4	TYPE 4
Dimensions (in) (LxWxH)	7 x 7 x 6-1/2	11 x 9 x 6-1/2
Weight (lbs)	13.5	22.5

NOTES: 1. Contact factory for custom assemblies

# Many Low Voltage Lamps To Choose From...







Note: Replacement parts must be installed by a qualified electrician. Replacement pats are for OEM repair and not for use in any other device or manner. User assumes all responsibility for any use other than repair of original Ericson equipment. Misuse may lead to damage of other equipment.



1943-12



1945-12





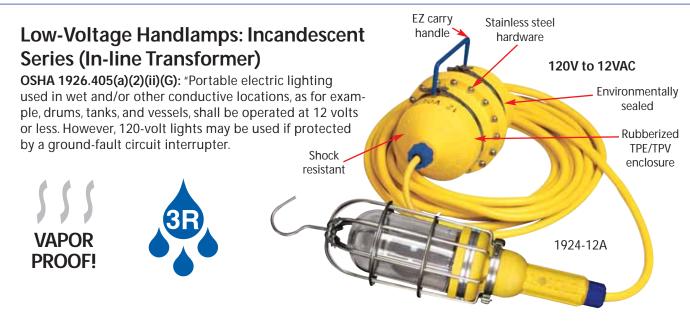
194XCB

2715-FS10

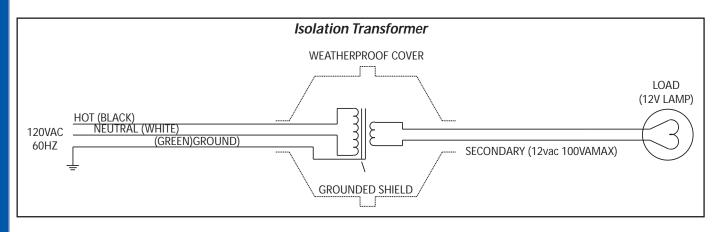
#### **Replacement Parts**

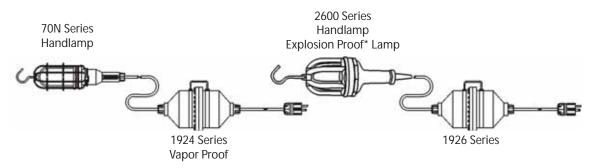
Description	Cat. No.
12 volt transformer only for 1940-12	1943-12
12 volt transformer only for 1941-12	1945-12
Flip assembly with receptacle (5-15R)	2715-FS10
Flip assembly with receptacle (crowsfoot)	2715-FS07
Circuit breaker (12.5 amp)	194XCB





- Ericson's handlamps meet OSHA regulations and create a safer working environment
- Step-down transformers reduce 120VAC line voltage to 12VAC
- Extra-thick walled rubber housing with non-corrosive stainless steel hardware protects transformer from jobsite contaminants
- Transformers incorporate a grounded metal shield between primary and secondary windings to ensure the two voltages are isolated providing an added degree of protection
- Each transformer is subjected to a factory dielectric test of 1600 volts between primary and secondary windings and between each winding and ground to ensure safety
- High-visibility dual-color safety system for easy identification on the jobsite
- 1924 Series is vapor proof only
- 1926 Series (handlamp) is Class 1 & 2, Div 1 & 2





**NOTES:** \*1926 lamp assembly only is certified Class 1 & 2, Div 1 & 2. Transformer is not hazardous location rated. Consult factory for custom assemblies

### Low Voltage Lighting: Incandescent Series

120 Volt AC To 12 Volt AC		Î
Low voltage hand lamps	Vapor Proof	Explosion Proof*
with 25' secondary cord	1924-12A	1926-12A
with 50' secondary cord	1924-12B	1926-12B
Specifications:		
Primary Voltage	120V, 60Hz	120V, 60Hz
Secondary Voltage	12V	12V
Maximum Wattage	100 watts	75 watts
Primary cord gauge & type	#16/3 SOW	#16/3 SOW
Primary cord length	10 ft.	10 ft.
Secondary cord gauge & type	#14/3 SOW	#14/3 SOW
Plug	NEMA 5-15	NEMA 5-15

NOTES: \*1926 lamp assembly only is certified Class 1 & 2, Div 1 & 2. Transformer is not hazardous location rated. Consult factory for custom assemblies



## **Replacement Parts**

Description	Catalog Number
12V transformer only - 100VA	1931-12
Transformer housing only:	1932
includes stainless steel bolts	
& cord grip bushings	
Carrying handle with straps	1933
12V, 75 watt incandescent bulb, A-21	1935-12
for use with 1922, 1924 & 1926 Series	



MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED.





## 2200 Series

#### Class I, DIV 1 Group D

- UL Listed and CSA Certified
- Lightweight construction features non-sparking aluminum guard and non-conductive, high-impact glass reinforced handle
- Designed for applications requiring weather resistant or spark resistant construction
- Unique cord restraint seal system includes flex relief and cable cord clamp to provide superior water resistance at cord entry
- Cable cord clamp can be inspected or adjusted without disassembly of handle
- High-impact tempered glass globe threads directly into specially designed handle
- Handle construction provide superior strength and high insulation properties
- Resistant to heat up to 300° F and withstands chemicals, acids and chipping
- Heavy-duty aluminum guard features 360° swivel hook

## Low Voltage Hazardous Duty Handlamps Selection Guide

	2200 Series Spotlight	
Handlamp Only	2200	
w/ 25 ft. cord, 16/3 SOOW	2225	
w/ 50 ft. cord, 16/3 SOOW	2250	
Specifications:		
Environments	Class I, Group D	
Primary Voltage (3)	12 V	
Maximum Wattage	50 watts	
Primary cord gauge & type	#16/3 SOOW	
Plug (1)	Molded 5-15P	
Guard	Cast Aluminum	
Globe	Tempered Glass	
Handle	Glass reinforced phenolic	

**50 WATTS** 100,000 CANDLE POWER

**T3C RATED** 

## **Replacement Parts**

2201 Replacement lens only 2202 Replacement guard assembly (no lens)

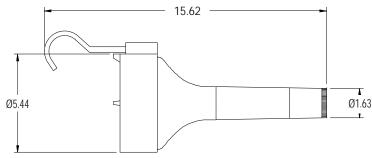
#### NOTES:

- 1. Plug is not explosion proof and is intended to be used outside of the hazardous area.
- 2. Contact factory for custom assemblies

3. Requires 12-14V AC source

## **Requires A** 12-14VAC Source

## 2200 Series





120V to 12V



12 Volt



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CONTROLOGINATION CONTROLOGINATICO CONTRO

## Hazardous Duty Incandescent and Fluorescent Handlamps

- UL Listed and CSA Certified for Class 1 & 2, Div 1 & 2 locations
- Lightweight construction features non-sparking aluminum guard and non-conductive, high-impact glass reinforced handle
- Designed for applications requiring weather resistant or spark resistant construction
- Unique cord restraint seal system includes flex relief and cord clamp to provide superior water resistance at cord entry
- Cable cord clamp can be inspected or adjusted without disassembly of handle
- Handle construction provide superior strength and high insulation properties
- Resistant to heat up to 300° F and withstands chemicals, acids and chipping
- Heavy-duty aluminum guard features 360° swivel hook



### Hazardous Duty Handlamps Selection Guide

	2500 Series
Handlamp Only	2500
Handlamp with 25' cord	2525
Handlamp with 50' cord	2550
Specifications:	
Environments	Class I, Divs 1 & 2, Group C, D
	Class II, Divs 1 & 2, Group F, G
Electrical	120V/60Hz
Maximum Wattage	26 watts
Cord gauge & type	#16/3 SOW
Plug (1)	NEMA 5-15
Guard	Cast Aluminum
Globe	Tempered Glass
Handle	Glass reinforced phenolic



#### NOTES:

1. Plug is not explosion proof and is intended to be used outside of the hazardous area

2. Contact factory for custom assemblies





2502



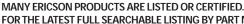


## **Replacement Parts**

	2500 Series
Guard / Globe Assembly (all models)*	2401
Handle Assembly w/ ballast & socket 26 W	2503
Lamp, 26 Watt 4 Pin	2502
Cord Grip Assembly w/ tool (all models)	2409
Inner Plug assembly only (all models)	2407
Guard Bumper Set (all models)	2406

\* Note: Due to the extremely tight tolerances and special tools required to seal the globe to the aluminum guard, we cannot offer the glass globe as a single replacement part. Only certified factory rebuild of the guard/globe assembly maintains the hazardous location certification.





CONTROLOGINATION OF THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

## Hazardous Duty Incandescent and Fluorescent Handlamps

- ETL Listed & certified
- Lightweight construction features non-sparking aluminum guard
- and non-conductive, high-impact glass reinforced handle
- Designed for applications requiring weather resistant or spark resistant construction
- Unique cord restraint seal system includes flex relief to provide superior water resistance at cord entry
- Accommodates #14/3 to #12/3 types S, SO, ST or STO cords
- High-impact tempered glass globe threads directly into specially designed guard assembly
- Handle construction provides superior strength and high insulation properties
- Resistant to heat up to 300° F and withstands chemicals, acids and chipping
- Heavy-duty aluminum guard features swivel hook
- Incandescent handlamp accommodates up to 100 watt bulb
- Easy to replace parts
- Class 1 & 2 Div 1 & 2
- Groups C, D, F & G

### Temp Rating T3C with 100 Watt Incandescent -20°C to 40°C Ambient



### Hazardous Duty Handlamps Selection Guide

	2600 Series	2600 Low Voltage <sup>2</sup>	2600 Fluorescent <sup>3</sup>
Handlamp Only	2600	2600-LV	2600-CFL
Handlamp with 25' cord (1) 16/3 SOOW	2625	2625-LV	2625-CFL
Handlamp with 50' cord (1) 16/3 SOOW	2650	2650-LV	2650-CFL
Specifications:			
Electrical	120VAC	12VAC	120VAC
Maximum Wattage	100 W	75W	23 Watt Self Ballast CFL
Cord gauge & types	#16/3 SOOW	#16/3 SOOW	#16/3 SOOW
Plug (1)	5-15	5-15	5-15

#### NOTES:

1. Plug is not explosion proof and is intended to be used outside of the hazardous area

2.12V bulb included

3. 23 Watt self-ballasted bulb included

4. Contact factory for custom assemblies

5. Ericson uses extra hard useage cord to ensure long life and sized to the electrical load











26023



1935-12

12V

### **Replacement Parts**

	2600 Series
	Fluorescent
Guard & globe assembly	2601
Lamp, SB 23W CFL Edison base* (6 pk)	2602
2600 handle only	2603
2600 cord strain relief kit	2604
2600 replacement base & socket assembly	2605
Snap-on reflector	2606
Hook assembly	2607
12 V incandescent bulb 75W	1935-12
*NOTEC Cald in masks of / lamma and	

\*NOTES: Sold in packs of 6 lamps only





## Introducing Sun Tower™

Light and Power in one easy to use assembly -The SunTower<sup>™</sup> Light System produces onsite wide area lighting with large stadium style 1000 Watt MH lamps and power distribution with a 20Amp GFCI Duplex receptacle. With fully adjustable light heads and safety locking pins on the tower, the SunTower<sup>™</sup> is the answer to safe onsite lighting and power needs. All weather Nema 3R Rainproof construction and design ensures safe power and lighting in all conditions. Single power cord supplies all outlets and light ballasts. Each light is powered by independent ballasts. Winch operation on the Dual SunTower<sup>™</sup> is smooth and easy to operate.



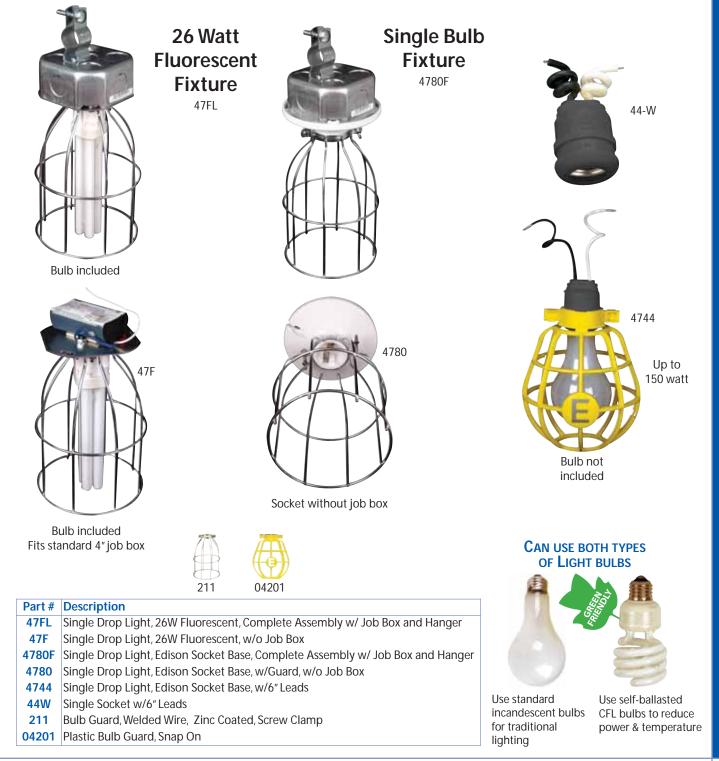
#### Selection Guide

Cat.#	Description	Generator Set	Tower Type
SL1NM	SunTower Light, Single 1000W MH, Manual Lift Tower 2 Wheeled Cart, No Generator	n/a	10' Manual Extension Tower
SL2NW	SunTower Light, Dual 1000W MH, Winch Lift Tower 2 Wheeled Cart, No Generator	n/a	12' Winch Extension Tower
SL2GW	${\it SunTower Light, Dual 1000WMH, Winch LiftTower2WheeledCart, w/3KWGenerator}$	3KW	12' Winch Extension Tower
SL-L1000	1000 Watt Replacement Lamp For Suntower	n/a	All Models

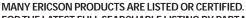
#### **47 Series In-Room Lights**

Ericson introduces an alternative to mid construction lighting with our 47 Series of single in-room lights for construction sites. If the rigid is in place, wired and you need lighting for other trades, here is a guick easy answer.

- Easy to hang with a 3/4" rigid clamp or attach to existing job box
- Fluorescent units come with an electronic smart ballast
- Smart ballast has long bulb life compensation and cold temp compensation
- Open wire guard protects bulb and meets OSHA requirements
- Edison base unit can use CFL bulb for lower "green" energy conservation







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# 1100 and 1200 Series Wide Area Lighting

GREEN FRIENDL

ULTIVOLTAGE

These portable overhead lights have been engineered to meet the need for safe, temporary, economical lighting for large area. Their versatility provides for base unit and feed-through unit use to meet virtually any wide area lighting requirement. Heavy-duty construction and high lumen output make these lights ideal for a broad range of applications including manufacturing plants, airline maintenance hangers, ship building, food processing plants, utilities, breweries, general maintenance and construction plus many more. The 1100 Series uses high output T8 fluorescent tubes while the 1200 Series uses long-life biaxial tubes for a smaller unit where space is major concern.

- Overhead fluorescent lighting designed for temporary lighting in large areas
- Variety of models available including feed-through units that allows you to "daisy-chain" several lights in a row
- Heavy-duty construction and high lumen output
- Lower operating costs versus incandescent lighting means savings for you
- Industry proven cord grip provides strain relief and seals out water, dust and other jobsite contaminants
- Safety yellow and blue for easy identification
- Rapid start lamps and electronic ballast (1140 is multivoltage)
- Impact resistant tube-shield

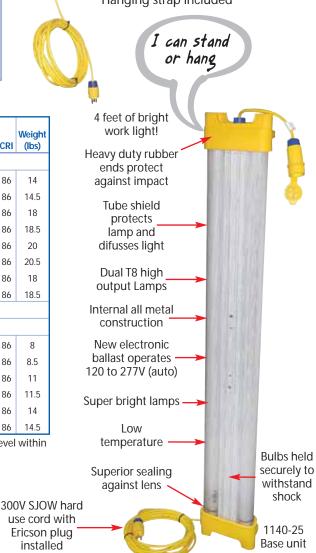


Model Number	Electrical Ratings	Primary Cord Length (ft)	Secondary Cord Length (ft)	Plug	Connector	Bulb Type	Lumens	CRI	Weight (Ibs)
1140 Series									
1140-4	120V* 60Hz	4	n/a	5-15		T8 32W	6000	86	14
1140-4F	120V* 60Hz	4	1	5-15	5-15	T8 32W	6000	86	14.5
1140-25	120V* 60Hz	25	n/a	5-15		T8 32W	6000	86	18
1140-25F	120V* 60Hz	25	1	5-15	5-15	T8 32W	6000	86	18.5
1140-50	120V* 60Hz	50	n/a	5-15		T8 32W	6000	86	20
1140-50F	120V* 60Hz	50	1	5-15	5-15	T8 32W	6000	86	20.5
1142-25	120 to 277V* 50/60 Hz	25	n/a	(1)	(1)	T8 32W	6000	86	18
1142-25F	120 to 277V* 50/60 Hz	25	1	(1)	(1)	T8 32W	6000	86	18.5
Current Dr	aw: .46 @ 120V .2Amp	@ 277V							
			1239 Sei	ries					
1239-4	120V* 60Hz	4	n/a	5-15		F39BX	5700	86	8
1239-4F	120V* 60Hz	4	1	5-15	5-15	F39BX	5700	86	8.5
1239-25	120V* 60Hz	25	n/a	5-15		F39BX	5700	86	11
1239-25F	120V* 60Hz	25	1	5-15	5-15	F39BX	5700	86	11.5
1239-50	120V* 60Hz	50	n/a	5-15		F39BX	5700	86	14

5-15 F39BX 5700 86 14.5 1239-50F 120V\* 60Hz 50 1 5-15 \* The electronic ballast in the 1140/1142 series automatically adjusts to any voltage level within the range 120 to 277 Volts.

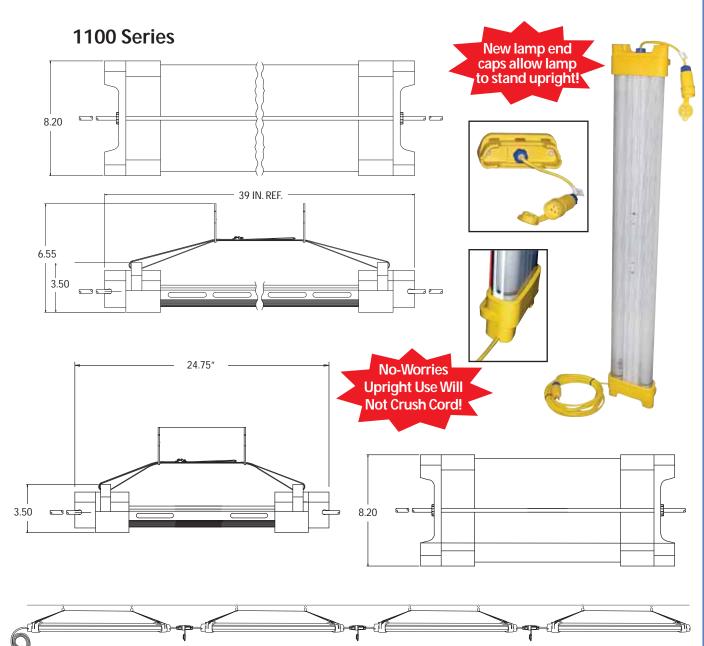
(1) shipped without the plug and connector





NEW

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# **Replacement Parts**

	1100 Series	1200 Series
Tubeshield	1140-TS	1239-TS
Replacement Fluorescent Tube	1140-FT	1239-FT
End cap <u>with</u> cord grip bushing for 1100 & 1200 Series. Can be used for primary side and secondary side with feed through	1100-Р	1100-Р
End cap <u>less</u> cord grip bushing for 1100 and 1200 Series. Can be used for secondary side of base units only	1100-S	1100-S



Where the second second

#### 1000 Series High Pressure Sodium Wide Area Magnet Mount Light

For the ultimate in durability, choose from Ericson's Premier™ line of High Pressure Sodium Lighting Fixtures. Choose from a variety of standard models or specify a custom fixture to meet your exact requirements.

- UL listed and CSA certified
- · Impact-resistant molded polycarbonate housing
- Impact-resistant, high temperature clear lens
- Blondel Prisms on inner surface to provide optimum light diffusion
- Available with a 70 watt high-pressure-sodium
- Dual magnets for secure mounting on metal surfaces
- Integral eye-hook for overhead mounting
- #14/3 SOW cord supplied standard
- HPS model available with optional receptacle, GFCI or both
- Supplied with 70W lamp

Dual Magnet Mounting System for mounting on metal surfaces<sup>1</sup>

1000 Series HPS Wide Area





With Side Receptacle

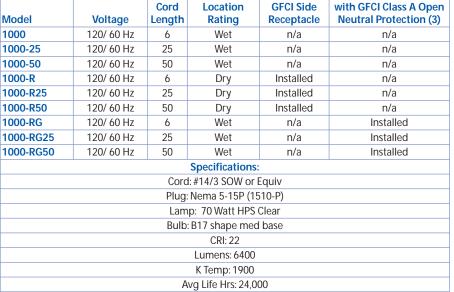
FS style flip cover

With Non-



Lens cover 1000-LRK

> Inside view 70 Watt HPS

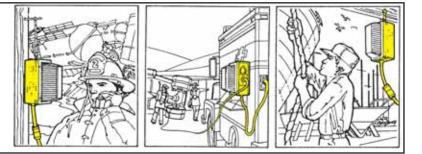




Replacement Parts				
Lens & gasket	1000-LRK			
Magnet	1000-MAG			
Ballast & ingniter	1000-Bal			
Replacement bulb	1010			

(1)Use chain or cable if mounted overhead

- Available with or without Receptacle and Ground Fault Circuit Interrupter
- Versatile
- Energy Efficient



#### 1000 Series Fluorescent Wide Magnet Mount Light

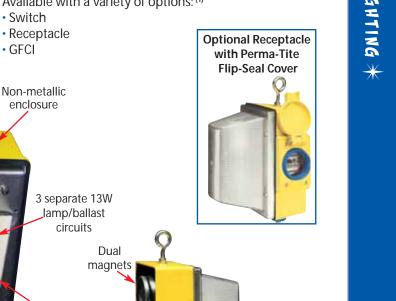
Ericson's field-proven 1000 Series wide area lighting fixtures are now available with energy-saving high-CRI, high-color temperature fluorescent lamps.

#### Available in 120VAC

- Impact-resistant molded polycarbonate housing
- Impact-resistant, high temperature clear lens with Blondel Prisms on inner surface to provide optimum light diffusion
- Dual magnets for secure mounting on metal surfaces
- Integral eye-hook for overhead mounting
- #14/3 SOW cord supplied standard
- Supplied with (3) 26W T4 Quad fluorescent bulbs

. . . . . . . . . .

- Light weight design
- 3 separate ballast/bulb light systems in each lamp provides triple redundant light for emergency operations
- Available with a variety of options: <sup>(1)</sup>

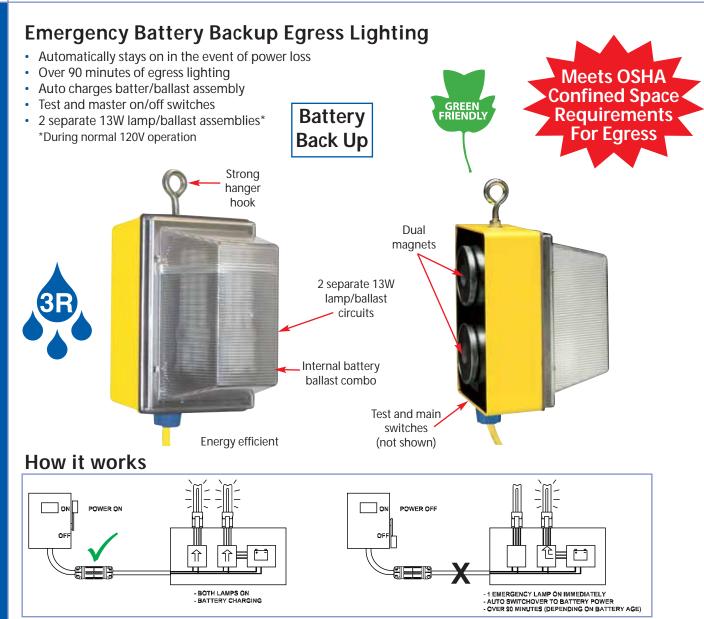


Large hang hook		Flip-Seal Cover
ПОК	3 x 13 Watt super bright bulbs	
Energy efficient CFL technology	Bulb cushion Builb Inside view Bulb Cushion Protects lamps	Made in the USA

1000F Series Wide Area Light				
Model	Voltage	Cord Length	Location Rating	With Non-GFCI Side Receptacle
1000F	120/ 60 Hz	6	Wet	n/a
1000F-25	120/ 60 Hz	25	Wet	n/a
1000F-50	120/ 60 Hz	50	Wet	n/a
1000F-R	120/ 60 Hz	6	Dry	Installed
1000F-R25	120/ 60 Hz	25	Dry	Installed
1000F-R50	120/ 60 Hz	50	Dry	Installed
	Specification	ns:		,
	Cord: #14/3 SOW (	or Equiv		
	Plug: Nema 5-15P	(1510-P)		
	Lamp: 3 x 13 watt Quad	d GX23T4 CFL		
	CRI: 82			
	Lumens: 900 x 3	= 2700		
	K Temp: 500	ОК		
	Avg Life Hrs: 10	0,000		
	Low Temp Start: 1	0 Deg F		



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#### **1000 Series Fluorescents Selection Guide**

	120VAC
w/ 6' cord	1000F - EMBT
w/ 25' cord	1000F - EMBT-25
w/ 50' cord	1000F - EMBT-50
Specifications	
Electrical Ratings	120VAC 43WATT
Environmental Ratings	NEMA 3R
Cord Gauge/Type	16/3 SOOW
Plug Type	NEMA 5-15P



#### Notes:

1. Contact factory for custom assemblies

Conditions	Normal Lamp Operation	Normal Lamp Operation Testing Battery Backup	Emergency Loss of Power at Cord	Lamp Off for Storage
Main Switch (Toggle ON/OFF)	ON	ON	ON	OFF
Test Switch (Momentary)	OFF	PUSH & HOLD	OFF	OFF
120V Power at Cord	ON	ON	OFF	OFF
Lamps On	2 lamps On Charge Lamp On	2 to 1 when TEST is pushed	1 lamp for 90+ minutes	ALL OFF
Backup Battery	Charging	AUTO switchover	ON	Holding Charge

# EZ<sup>™</sup> Series Is The Economical Alternative To Expensive Fixtures

Choose either the 70Watt High Pressure Sodium or the 70Watt Metal Halide version and go...it's that easy.



- Available with High Pressure Sodium or Metal Halide Lamp-Choice of light source that is right for you
- Metal Halide Lamp-Provides bright, white light for • color-rendering applications
- High Pressure Sodium Lamp-Long-life for extended lighting applications
- UL & cUL Listed-Assurance of quality by independent testing agency-Safety, performance and reduced downtime
- Die-cast aluminum housing-Lightweight, rugged dependability • in demanding environments combined with excellent surface finish
- 6ft. #14/3 oil-resistant cable with molded-on 5-15 plug-Resists jobsite oils with out deterioration
- Heavy-duty magnet-Secure mounting on metal surfaces for hands-free operation (1)
- Built-in carry handle with integral "eye"-Provides for overhead mounting and easy-carry, even when wearing work gloves
- Impact resistant, high-temperature lens with inner • surface prisms for optimum light diffusion

# EZ<sup>™</sup> Series Metal Halide and HPS Fixtures Selection Guide

	Metal Halide <sup>(1)</sup>	High Pressure Sodium <sup>(1)</sup>
	70 Watt	70 Watt
6 ft. Cord	1000-MH	1003-HPS
Specifications		
Electrical Ratings	120V/60Hz	120V/60Hz
Environmental Rating	WET LOCATION	WET LOCATION
Cord Gauge/Type	#14/3 SJTOW	#14/3 SJTOW
Plug Type	NEMA 5-15	NEMA 5-15
Bulb Type	70W MH/E26/ED/Clear	70W HPS/E26/ED/Clear
Avg. Rated Bulb Life	8000 hr.	16000 hr.
Initial Lumens	5500	5160
Color Rendition Index (CRI) <sup>(2)</sup>	65	<40
Color Temperature (K) <sup>(3)</sup>	4000K	2100K
Low Temp Start	-20 ° C	-20 ° C
Replacement Parts		
Lens	1000-MH-LENS	1000-MH-LENS
Handle	1000-HAN	1000-HAN
Bulb	1010-MH (70W MH)	1010 (70W HPS)
Magnet	1000-MH-MAG	1000-MH-MAG

#### Notes:

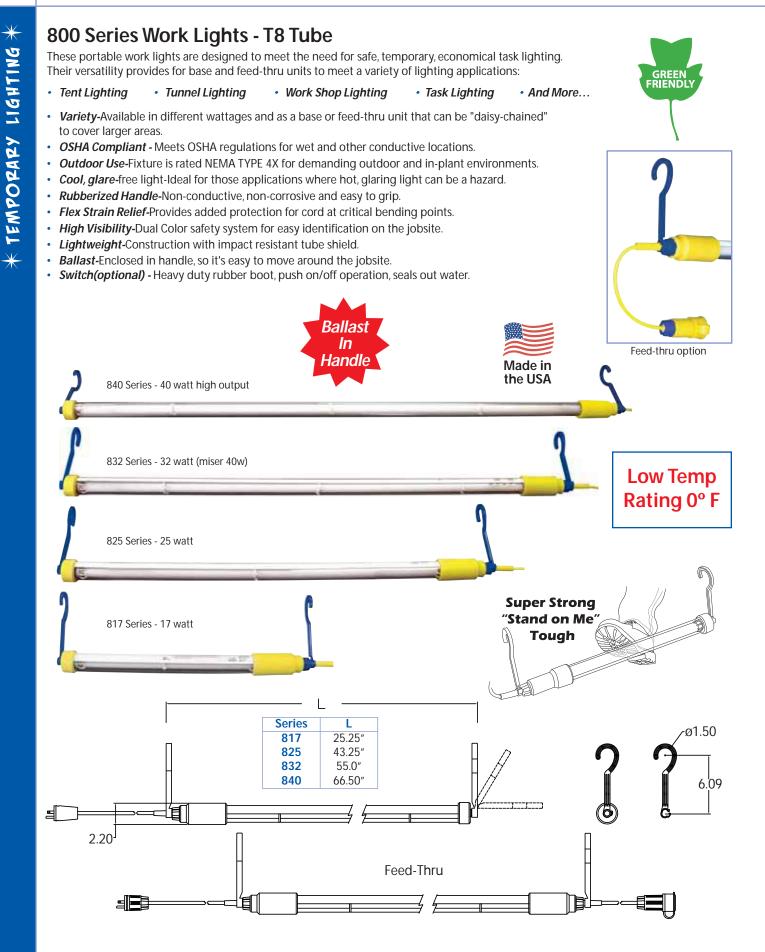
1. Use secondary safety chain or cable if mounted overhead

2. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the truer the color appears

3. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light



#### Heavy Duty Tube Fluorescent Work Lights



3					
		17 Watts	25 Watts	32 Watts	40 Watts
Base Units	with 25 ft. cord	817-25	825-25	832-25	840-25
Base Units	with 50 ft. cord	817-50	825-50	832-50	840-50
Faced Three Units	with 25 ft. cord	817-25F	825-25F	832-25F	840-25F
Feed-Thru Units	with 50 ft. cord	817-50F	825-50F	832-50F	840-50F
Specifications					
	Electrical Ratings	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz
	Amperage Draw	0.25A	0.35A	0.43A	0.48A
Pri	mary Cord Length	25 ft.	25 ft.	25 ft.	25 ft.
Secondary Cord Length (Fee	d-Thru Units Only)	10 in.	10 in.	10 in.	10 in.
Max Units Connected(Applies to Feed-T	hru Models Only) <sup>(2)</sup>	12	12	12	12
Ballast Location		Handle	Handle	Handle	Handle
NEMA TYPE Rating		4X	4X	4X	4X
Cable Gauge/Type (Base Units Only)		#16/3 SOOW	#16/3 SOOW	#16/3 SOOW	#16/3 SOOW
Cable Gauge/Type (Feed-Thru Units Only)		#14/3 SJOW	#14/3 SJOW	#14/3 SJOW	#14/3 SJOW
Plug(Base units equipped with molde	d PW6P feed thru)	NEMA 5-15 1510-PW6P	NEMA 5-15 1510-PW6P	NEMA 5-15 1510-PW6P	NEMA 5-15 1510-PW6P
Connector (Fee	d-Thru Units Only)	NEMA 5-15 1610-CW6P	NEMA 5-15 1610-CW6P	NEMA 5-15 1610-CW6P	NEMA 5-15 1610-CW6P
	Bulb Type	F17T8SPX41	F25T8SPX41	F32T8SPX41	F40T8SPX41
	Initial Lumens	1325	2150	2950	3725
Color Rend	ition Index (CRI) <sup>(3)</sup>	86	86	86	84
Color Temperature (K) <sup>(4)</sup>		4100	4100	4100	4100
Avg. Rate	d Bulb Life (Hours)	20000	20000	20000	20000
	Low Temp Start	0 °F	0 °F	0°F	0 °F
	Fixture Weight	3.2 lb	3.8 lb	4.2 lb	4.6 lb

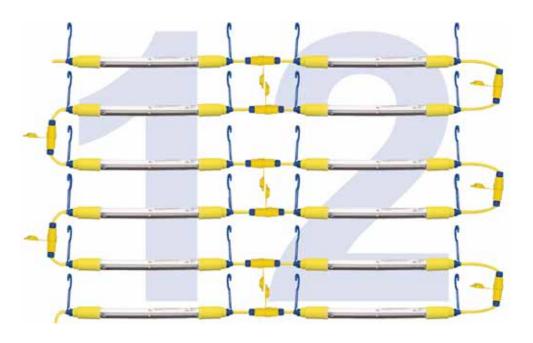
#### 800 Series Work Lights Selection Guide

#### Notes:

1. Consult factory for custom assemblies, add "S" to end of catalog number for switch

2. Based on nominal primary length of 25ft. and secondary length of 10in. with #16/3 cable operating from a single 15A supply receptacle 3. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the truer the color appears

4. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light



#### Connect up to 12 **Units Together To** Light Your Jobsite. **Great For:**

- Tunnels
- Construction Site
- Scaffolding Walkways
- Tents
- Portable Shelters
- And much more...

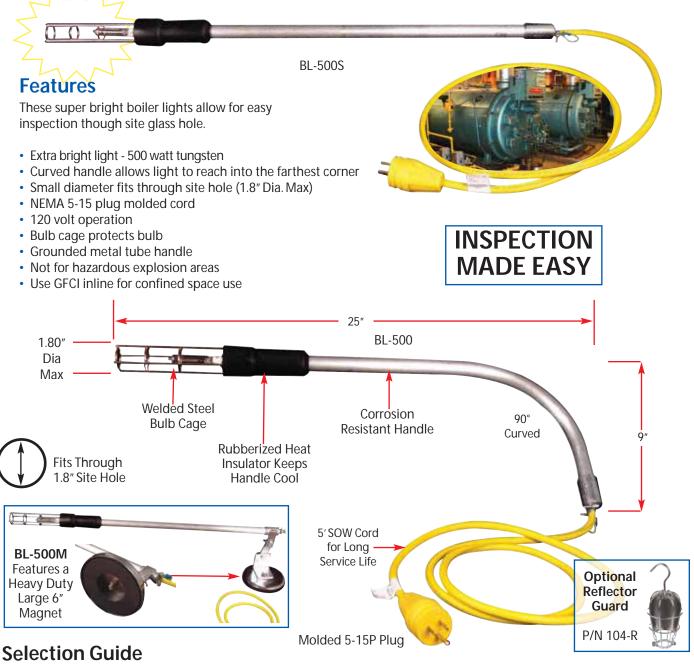




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#### Specialty Lighting - Boiler Lights





Item	Description	Product Picture	Cord Length	Length	Bulb Wattage
BL-500S	Boiler light, straight			32″	
BL-500	Boiler light, 90°		5 feet	25" & 9"	500W
BL-500M	Boiler light, with magnet			32″	

#### **Selection Guide**

Item	Description	Product Picture
104-R	Alternate reflector guard (optional)	
BL-500-G	Replacement Guard	
BL-500-L	Replacement Bulb, 500 Watt	
BL-500-MAG*	Replacement Magnet Kit	
* Not for retrofit o	f non-magnet lights	



All lights are GROUNDED and furnished complete with yellow

eoprene cord, three-wire plug cop, and fluorescent lamp,		TRADE DISCOUNT				
NO.	WATTAGE	STANDARD PACKAGE 8	Std. Pkg. Wr.	List Price Each	Less Than Std. Pkg. 20%	Std. Pkg. 35%
808-25	8	25-foot card, 3-wire cap.	33	26.88	21.50	17.47
808-50	8	50-foot card, 3-wire cap.	42	28.84	23.57	
814-25	14	25-foot cord, 3-wire cap.	45	47.44 49,40	37.95	30.84
814-50	14	50-foot cord, 3-wire cap.	54		39.52	32.11

The above lights can be assorted to make up standard package quantities.

SPECIFICATIONS

WATTAGE	OVERALL LENGTH	MAX. O.D.	WEIGHT LESS CORD	ST AND ARD	STANDARD STARTER	INCANDESCENT EQUIVALENT	LAMP LIFE HOURS
8	20%**	2"	14 oz.	F8T5/CW	F5-5	75-watt	6000
14	2315"	3-5/16"	2 lb. 6 oz.	F1412/CW	F5-4	100-watt	6000

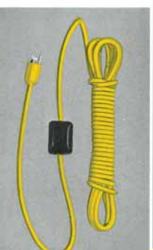
By design and selection of materials, Ericson's new fluorescent inspection light provides the user with a wide, shadowless light area, very little heat, and the utmost in safety. Neoprene and plastic combine to make the unit virtually unbreakable. The fluorescent lamp is protected by a plastic tube which seats in the Neoprene handle and non-rolling end-cap, insuring a watertight construction. The entire unit can be dismantled and reassembled without sealants or tools.

There are no exposed metal parts which can conduct electricity, therefore all possibility of electrical shock has been eliminated. To insure the integrity of this non-conductive construction, a switch in the handle has been purposely omitted.

The fluorescent lamp generates little heat, and because it is shielded with a plastic tube, there is no danger of burns or cuts from broken glass.

The light output is much greater than that of an incandescent bulb of comparable wattage. There is no glare or shadow. Being small in diameter, the light can be used in many confined areas, where other types of extension lights would not be practicable.

The new fluorescent light can take rough handling and use, can be dropped, stepped on, or subjected to other abuse without damage.





THE ERICSON MANUFACTURING COMPANY 1660 Hayden Avenue Cleveland, Ohio 44112 Page 10-A

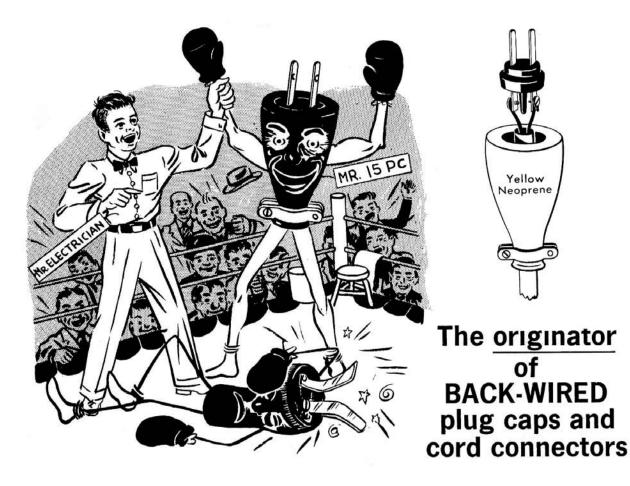
# Original Ad from the 1960's



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# Here's a plug that will give you a real connection — PLUG CAPS and CORD CONNECTORS FROM ERICSON



# THE ERICSON MANUFACTURING COMPANY

1660 Hayden Avenue, Cleveland, Ohio 44112 • (216) 451-2030

# Original 1950's Advertisement



# Ericson Manufacturing Company offers a wide variety of plugs and connectors to fit your needs.

PERMA Contraction Notes	<ul> <li>Two-screw cable clamp secures cord and provides superior strain-relief</li> <li>Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20 °C to + 100°C</li> <li>Individual wire pockets help prevent flashovers</li> <li>Rubberized outer housing for superior grip and impact resistance</li> <li>Flexibility of reverse-cover design creates weather-resistant connections by interchanging covers</li> <li>Internal cord seals keep out water/mud/dust</li> <li>Available in all black</li> </ul>
PERMA©GRIP™	<ul> <li>Quick field assembly with cord grip nut</li> <li>Superior water/mud/dust resistance provided by safety compression cord grips</li> <li>Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20 °C to + 100°C</li> <li>Flexibility of reverse-cover design (straight blade devices) creates weather-resistant connections by interchanging covers</li> <li>Custom marking available on cord grip nut</li> <li>Available in all black</li> </ul>
PERMACTITE®2	<ul> <li>Tongue &amp; groove sealing system provides extreme environmental protection of: <ul> <li>NEMA Type 4, 4X, 6, 6P &amp; IP67</li> </ul> </li> <li>Devices resist high-pressure hose down of 1,500 psi.</li> <li>Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20 °C to + 100°C</li> <li>Removable/replaceable self-retained sealing cap provided with connector to keep out contaminants when not in use (plug cap also available)</li> <li>Custom marking available on cord grip nut</li> <li>Available in all black</li> </ul>
50 Amp Devices	<ul> <li>Rugged nylon construction resists impact, corrosion and jobsite oils/chemicals</li> <li>Quick field assembly, with color coded markings</li> <li>Nickel plated blades and stainless steel screws provide optimum corrosion resistance</li> <li>Boots can be threaded together with the optional sealing collar system to provide maximum environmental protection</li> <li>Available in plugs, connectors, inlets and receptacles</li> <li>Rubberized grey "Twist-Grip" for ease of connection</li> </ul>
Commercial Grade	<ul> <li>Translucent body allows device to glow from power on lamp (EL Models)</li> <li>Wide open "suitcase" style construction makes wiring easy</li> <li>Fits 10/3 to 18/3 cord diameters</li> <li>Rugged design withstands abuse on the jobsite</li> <li>Color coded termination screws for ground, hot and neutral</li> <li>Combo screw heads speed up installation</li> <li>Rubberized "grip" cushions and surrounds device</li> <li>Economy priced</li> </ul>

#### Smart Monitor



#### Features of All Smart Monitor Plugs & Connectors:

- Super bright 2-color LED technology
- Smart Monitor Module
- · Easy to wire
- Clear internal wiring cover
- Multiple cord grommets included
- Makes OSHA safety compliance easy and cost effective

#### 3 Styles to Pick From:

- Perma-Link<sup>®</sup>
- Perma-Grip<sup>™</sup>
- Perma-Tite<sup>®</sup> 2

#### 24/7 Monitoring of These 7 Events

- No Ground
- Loss of Ground In Cord
- Hot/Neutral Swap
- Reverse Polarity
- Hot on Ground
- Open Neutral

New From Ericson... Industrial application SmartCords factory built to last and last. Models with Smart Connector (Economy Safe) and both Smart Plug and connector are available. 24/7 monitoring with Assured Grounding Compliance to NEC and OSHA standards. Built with the highest quality materials to withstand your environment.



#### FS Series Single Receptacles & Male Inlets Under All Weather Flip Covers



- · Weather resistant boot seals around Ericson Perma-Tite plug to provide weather resistant protection
- Spring-loaded flip-lid covers receptacle when not in use
- Includes cover plate, rubber boot, stainless steel mounting plate/mounting screws
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to 6200 or 6300 series FS/FD boxes and any flat surface
- Collar plug seals and grips all types of round plugs or connectors

#### **Double Outlet Receptacle with Cover Plates - PWDX Series**



- Weather resistant boot seals around Ericson Perma-Tite plug to provide weather resistant protection
- Spring-loaded flip-lid covers the receptacle when not in use
- Two independent fully rated receptacles in one easy to install assembly
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to 6200 series FS/FD boxes and any flat surface

#### **Adapters**



(H) (H)

#### **NEMA Change Adapters**

Now make quick, secure connections between straight-blade and locking plugs and connectors with Ericson's NEMA configuration adapters.

- Heavy-duty non-conducting housing and using heavy gauge solid brass blades
- Compact size makes them easy to use and transport
- Available in molded style or short cords

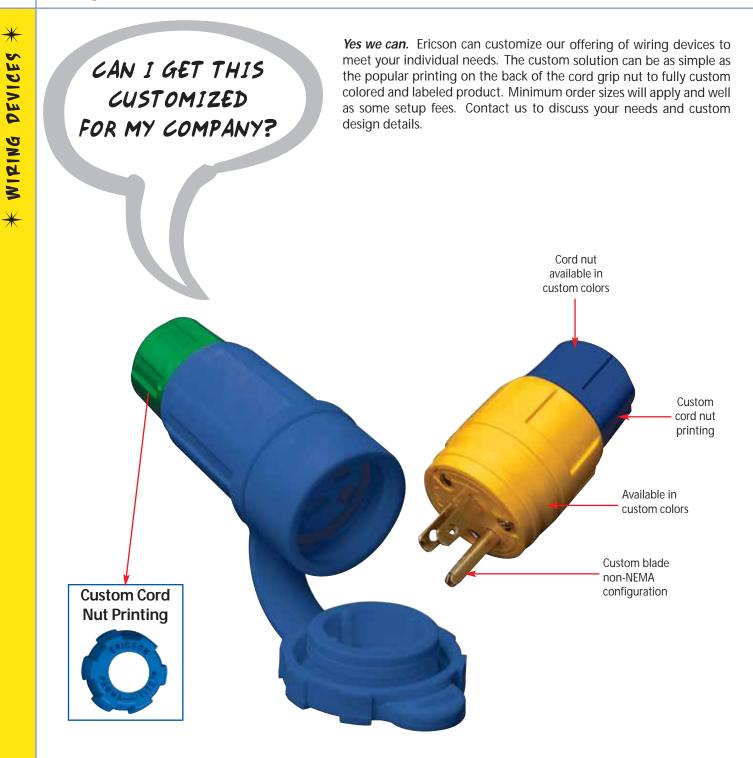
MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED.

	IEMA (	LNA	Π		30	DECT	
	NEMA	Electric	al Ratings	EXTREME	-TITE <sup>®</sup> 2	BEST	A-GRIP™
Face View	Configuration	Amps	Volts	Plugs	Connectors	Plugs	Connectors
pole, 3-Wire		•		<b>J</b>			
	5-15	15	125	1510-PW6P	1610-CW6P	1510-PG	1610-CG
	5-20	20	125	1512-PW6P	1612-CW6P	1512-PG	1612-CG
	6-15	15	250	1514-PW6P	1614-CW6P	1514-PG	1614-CG
	6-20	20	250	1516-PW6P	1616-CW6P	1516-PG	1616-CG
	L5-15	15	125	1520-PW6P	1620-CW6P	1520-PG	1620-CG
	L6-15	15	250	1522-PW6P	1622-CW6P	1522-PG	1622-CG
	L7-15	15	277	1524-PW6P	1624-CW6P	1524-PG	1624-CG
	L5-20	20	125	2310-PW6P	2410-CW6P	2310-PG	2410-CG
	L6-20	20	250	2312-PW6P	2412-CW6P	2312-PG	2412-CG
	L7-20	20	277	2314-PW6P	2414-CW6P	2314-PG	2414-CG
-Pole, 3-Wire	Non-Grounding						
$\bigcirc$	Non-NEMA	20	125/250	2316-PW6P	2416-CW6P	2316-PG	2416-CG
$\tilde{O}$	Non-NEMA	20/10	205/600	2317-PW6P	2417-CW6P	2317-PG	2417-GC
	Non-NEMA	15A/10A	125V/250V	1507-PW6P	1607-CW6P	1507-PG	1607-CG
-Pole, 4-Wire	Grounding						
	L14-20	20	125/250	2320-PW6P	2420-CW6P		
	L15-20	20	250, 3Ø	2322-PW6P	2422-CW6P		
	L16-20	20	480, 3Ø	2324-PW6P	2424-CW6P		
-Pole, 3-Wire	Grounding						
	L5-30	30	125	2510-PW6P	2610-CW6P	2510-PG	2610-CG
	L6-30	30	250	2512-PW6P	2612-CW6P	2512-PG	2612-GC
	L7-30	30	277	2514-PW6P	2614-CW6P	2514-PG	2614-CG
	Non-Grounding						
$\bigcirc \bigcirc$	Non-NEMA	30	125/250	2516-PW6P	2616-CW6P		
-Pole, 4-Wire	Grounding		105/050				
	L14-30	30	125/250 3Ø	2520-PW6P	2620-CW6P		
	L15-30	30	250, 3Ø	2522-PW6P	2622-CW6P		
	L16-30	30	480, 3Ø	2524-PW6P	2624-CW6P		
	L17-30	30	600, 3Ø	2526-PW6P	2626-CW6P		
-Pole, 4-Wire							
	L18-30	30	120/208 3Ø wye	2530-PW6P	2630-CW6P		
-Pole, 4-Wire	Non-Grounding		5	I			
$\mathbf{O}$	Non-NEMA	30	120/208 3Ø wye	2528-PW6P	2628-CW6P		

					1	1			NEWI
		TER		GOOD	SMART				
		IA-LINK®		my Grade*		Monitor*	Single Outlet	Male Inlets	Dual Recept (PWDX)
Face View	Face View Plugs Connectors Plugs Connectors 2-pole, 3-Wire Grounding		Connectors	Plugs	Connectors	FS Cover Plates		Receptacle with Cover	
	1510-P	1610-C	5266-E	5269-E	1510-PXX	1610-CXX	2715-FS10	2705-15/A	1610-PWDX
	1510-P	1612-C	5200-L	J207-L	1510-PXX	1612-CXX	2715-FS10 2715-FS12	2705-15/A 2705-20/A	1612-PWDX
	1512-P	1612-C			1012-277	1012-074	2715-FS12 2715-FS14	2703-20/A	1612-PWDX
	1514-P	1614-C	Note	: Lighted			2715-F314 2715-FS16		1616-PWDX
			powe	r-on glow				0705 145/4	
	1520-P	1620-C		dels also: 266-EL			2715-FS20	2705-L15/A	1620-PWDX
	1522-P	1622-C		269-EL			2715-FS22		1622-PWDX
	1524-P	1624-C					2715-FS24		1624-PWDX
	2310-P	2410-C			2310-PXX	2410-CXX	2820-FS10	2705-L20	6200 Series Boxes For FS Series &
$(\mathbf{r}) = (\mathbf{r}) = (\mathbf{r})$	2312-P	2412-C					2820-FS12		PWDX Series
	2314-P	2414-C					2820-FS14		Rubberized     Fully Enclosed
3-Pole, 3-Wi	re Non-C	Grounding							Single and Double
$\bigcirc \bigcirc$	2316-P	2416-C					2820-FS16		Sided - · Standard and Deep
$\bigcirc$	2317-P	2417-C					2820-FS17		
$\left(\begin{array}{c} \mathbf{I} \\ \mathbf{v} \\ \mathbf{v} \end{array}\right) \left(\begin{array}{c} \mathbf{I} \\ \mathbf{v} \\ \mathbf{v} \end{array}\right)$	1507-P	1607-C					2715-FS07		
3-Pole, 4-Wi	re Grour	nding							
	2320-P	2420-C					2920-FS20	2705-L142	
	2322-P	2422-C				Number te for	2920-FS22		
$\begin{array}{c} \textcircled{\begin{array}{c} \hline \\ \hline $	2324-P	2424-C				Monitors:	2920-FS24	2705-L162	
2-Pole, 3-Wi	re Grour	nding			PLUG	<u>S (-PXX)</u>			
	2510-P	2610-C					2830-FS10	2705-L30	
	2512-P	2612-C				<u>PML</u> .ink® Style	2830-FS12		
	2514-P	2614-C			r enna-L	IIIK Style	2830-FS14		
<b>3-Pole</b> , <b>3-W</b>						<mark>MGL</mark> Grip™ Style			
$\bigcirc\bigcirc\bigcirc$	2516-P	2616-C			Perma-G	style	2830-FS16		
3-Pole, 4-Wi	re Grour	nding				<mark>N6PL</mark> ïte®2 Style			
	2520-P	2620-C			Perma-I	ite=2 style	2930-FS20	2705-L143	
	2522-P	2622-C			CONNECT	ORS (-CXX)	2930-FS22		
	2524-P	2624-C				CML State	2930-FS24	2705-L163	
	2526-P	2626-C			Perma-L	ink® Style	2930-FS26	2705-L173	
4-Pole, 4-Wi	re					MGL			
	2530-P	2630-C				Grip™ Style	2930-FS30		
4-Pole, 4-Wi	re Non-O	Grounding				<mark>V6PL</mark> ite®2 Style			
$\mathbf{O}$	2528-P	2628-C					2930-FS28		



 Image: Second state of the second s



#### Notes:

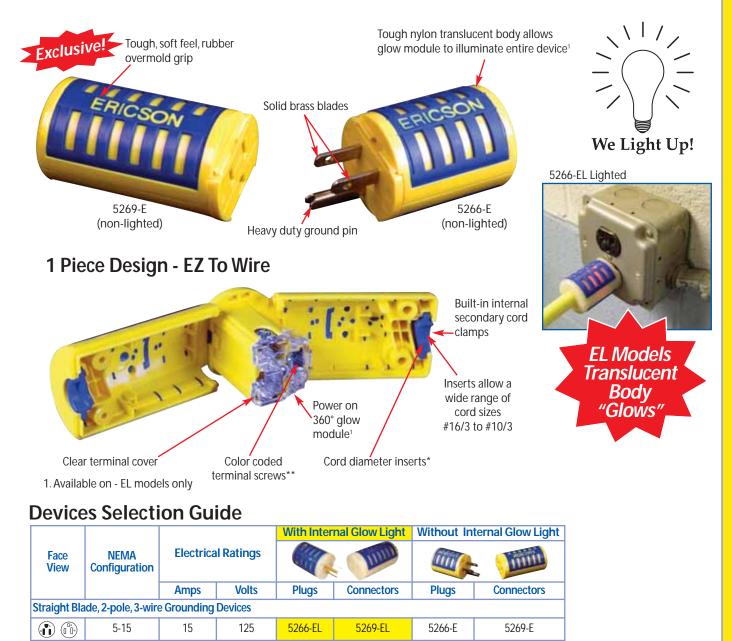
- 1. Some customization can void certain agency safety listings or warranty.
- 2. Minimum quantities will apply. Other design and tooling fees may apply.

How to order: Contact you local Ericson Factory Representative or call us at 1-800-Ericson (374-2766)

# **Commercial Grade Plugs & Connectors**

The Ericson 5266 and 5269 Series of Commercial Grade plugs offer the latest in design innovation and quality in an economy grade wiring device. The demands of today's electrical industry are met with this new design with features never before seen in a commercial device. Designed to provide years of trouble free service in demanding industrial, construction and rental environments. Available in 2 styles, with and without the power on "glow" module to light up the entire device.

- 2 styles with and without internal lamp module (see chart)
- Translucent body allows device to glow from power on lamp
- Tough, soft feel, rubber overmold grip surrounds device body
- Wide open "suitcase" style construction makes wiring easy
- Two captive screw body clamp design is easy to assemble
- Cord diameter matching inserts fit a wide range of cord sizes
- Solid brass blades for optimum electrical contact
- Fits 10/3 to 18/3 cord diameters\*
- Rugged design withstands abuse on the jobsite
- Clear internal conductor cover allows visual inspection
- Color coded termination screws for ground, hot and neutral
- Combo screw head



Notes:

\*Cord diameters - .3 to .6 inch

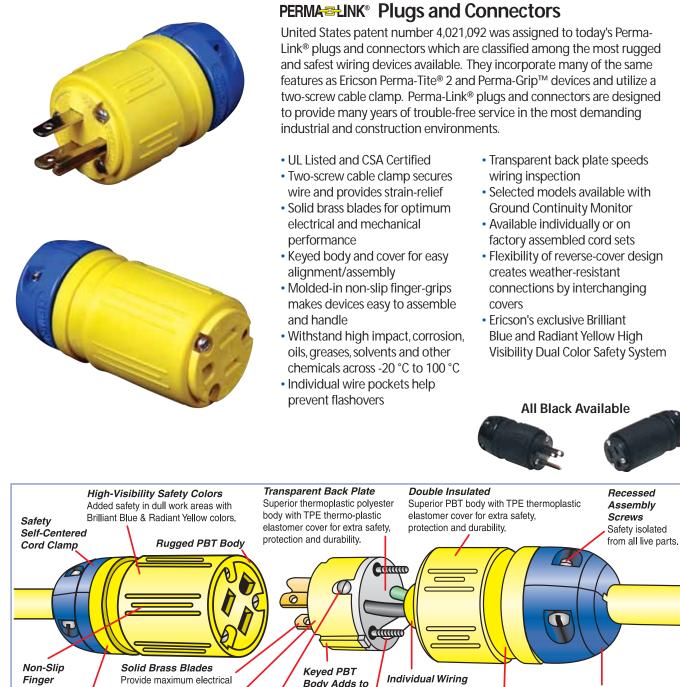
\*\*Slot - Phillips



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FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

#### Perma-Link® Devices- Light Industrial



Internal Cord Seal Built-in cord entrance seal in cover seals out moisture and most foreign material that can cause short circuit. exposed current

Grips

Provide maximum electrical conductivity and mechanical strength.

Color-Coded Dead-Front Back-Terminal Clamp Wired Design Screws Positive back-We set industry wired terminal clamping standards with screws color coded for this design, no easy identification, backed out and staked carrying parts, meets to provide fast labor NEC article #410-56 (d). saving installation.

Individual Wiring Chambers Accept a quick alignment variety of sizes & prevents and assembly. flash overs & short circuits.

#### Captive Assembly Screws Double lead

screws provide rigid

assembly, no bulging

of cover, maximum

pull out resistance.

fast assembly.

Internal Cord Seal Built-in cord entrance seal in cover seals out moisture and most foreign material that can cause short circuit.

Safety Cord Clamp Self-centering design. Non-conducting, long-life PBT provides powerful cord grip, unique design accepts a variety of wire sizes with no crushing and no inserts to change or add.

Note: Add - BLK for all black as available.

#### Versatile Weather-Resistant Field Conversion

Our Perma-Link® plugs and connectors (straight blade only) are designed so they can easily be converted to create weather-resistant connections by interchanging the internal assemblies. Insert the plug body into the connector cover, and the connector body into the plug cover. There are no extra parts to purchase.

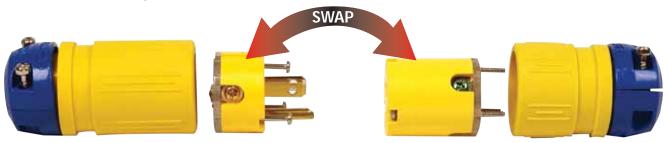
### Step 1:

# **Disassemble The Plug & Connector As Shown**



#### Step 2:

Swap Plug & Connector Assemblies



#### Step 3:

# **Assemble Cords Per Bag Instructions**







MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED. 

#### Perma-Grip<sup>™</sup> Devices - Industrial



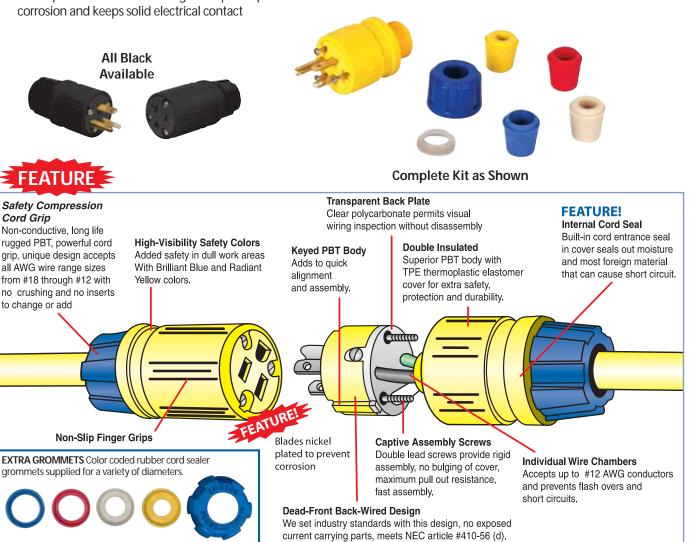
- UL Listed and CSA Certified some ETL Listed
- Quick field assembly, no cable clamp screws to tighten, simply twist on the cord grip nut
- Water/mud/dust resistance provided by safety compression cord grips
- Keyed body and cover for easy alignment/assembly
- Color coded rubber cord-seal bushings accommodate a wide range of cable diameters
- Molded-in non-slip fingers grips makes devices easy to assemble and handle
- Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20 °C - +65 °C
- Nickel plated brass blades and ground pin stops corrosion and keeps solid electrical contact

#### **ERICSON EXCLUSIVE**

#### PERMASCRIP<sup>®</sup> Plugs and Connectors

Ericson's industry exclusive design combines the Perma-Tite® cord grip with the industry proven design of its Perma-Link® devices to provide a line of incredibly tough plugs and connectors that stand up to the most demanding industrial and construction environments.

- Individual wire pockets help prevent flashovers
- Transparent back plate speeds wiring inspection
- Selected models available with Ground Continuity Monitor
- Available individually or on factory assembled cord sets
- Flexibility of reverse-cover design (straight blade) devices) creates weather-resistant connections by interchanging covers
- Ericson's exclusive Brilliant Blue and Radiant Yellow High Visibility Dual Color Safety System



Note: Add - BLK for all black as available.

**15PW** 

sizes with no crushing

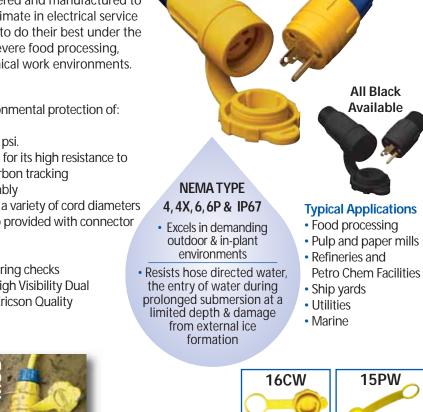
or add.

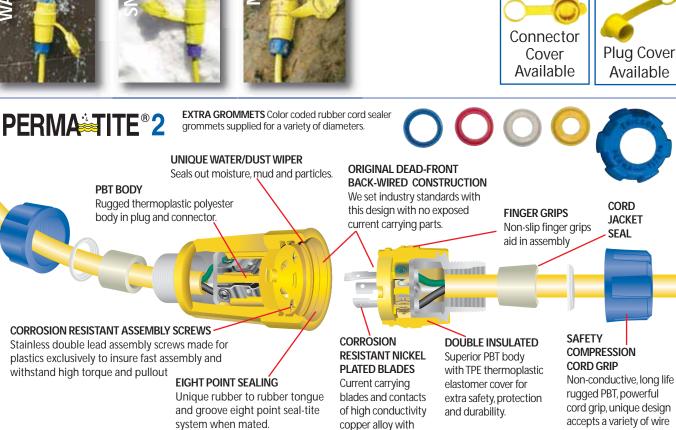
and no inserts to change

# **PERMA**TITE<sup>®</sup> 2 Plugs and Connectors

Perma-Tite®2 plugs and connectors are engineered and manufactured to the highest quality standards to provide the ultimate in electrical service and protection. They are designed and proven to do their best under the worst conditions in a broad array of the most severe food processing, industrial, marine, construction and petro-chemical work environments.

- UL Listed & CSA Certified, some ETL Listed
- Tongue & groove sealing system provides environmental protection of: NEMA Type 4, 4X, 6, 6P & IP67
- Devices resist high-pressure hose down of 1,500 psi.
- Plug & Connector bodies made with PBT chosen for its high resistance to moisture absorption, high voltage arcing and carbon tracking
- Keyed body and cover for easy alignment/assembly
- Color coded sealing bushings are provided to fit a variety of cord diameters
- Removable/replaceable self-retained sealing cap provided with connector to keep out contaminants when not in use
- Nickel plated blades for corrosion resistance
- Transparent back-plate makes for quick visual wiring checks
- Ericson's new brilliant Blue and Radiant Yellow High Visibility Dual Color Safety System symbolizes that legendary Ericson Quality





Note: Add - BLK for all black as available.



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copper alloy with

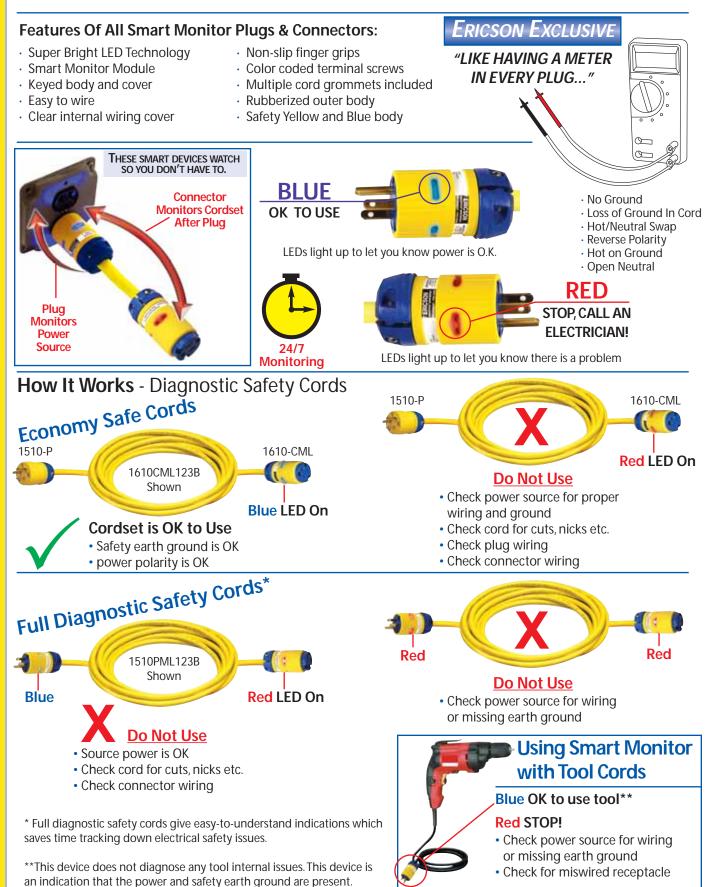
nickel plating for

corrosion resistance.

#### **Smart Monitor Series**

#### Smart Monitor Plugs & Connectors Constantly Monitors These Conditions:

No Ground · Loss of Ground In Cord · Hot/Neutral Swap · Reverse Polarity · Hot on Ground · Open Neutral





# **Plug & Connector Selection Guide**

	NEMA	Electri	cal Ratings	Perma	rma-Link <sup>®</sup> Perm		a-Grip <sup>®</sup> Perma-Tite <sup>®</sup> 2		-Tite <sup>®</sup> 2
Face View	Configuration	Amps	Volts	Plugs	Connectors	Plugs	Connectors	Plugs	Connectors
Straight Blad	traight Blade, 2-pole, 3-wire Grounding Devices								
	5-15	15	125	1510-PML	1610-CML	1510-PMGL	1610-CMGL	1510-PW6PL	1610-CW6PL
	5-20	20	125	1512-PML	1612-CML	1512-PMGL	1612-CMGL	1512-PW6PL	1612-CW6PL
Locking, 2-pc	ole, 3-wire Grou	nding							
<b>()</b>	L5-20	20	125	2310-PML	2410-CML	2310-PMGL	2410-CMGL	2310PW6PL	2410-CW6PL
	L5-15	15	125	1520-PML	1620-CML	1520-PMGL	1620-CMGL	1520-PW6PL	1620-CW6PL

*New From Ericson...* Industrial application SmartCords factory built to last and last. Models with Smart Connector (Economy Safe) and both Smart Plug and Connector are available. 24/7 monitoring with Assured Grounding Compliance to NEC and OSHA standards. Built with the highest quality materials to withstand your environment.



1510PML123A shown

#### <u>Cord</u>

Tough 600V rated SOW cordage for long lasting wear

#### **Smart Monitor Connector**

Checks entire cordset from the plug to the connector

#### **Cordset Selection Guide**

Economy Safe SmartCords P/N*	Length	Non-smart PLUG	Smart Connector	Cord Size	Rating
1610XXX143	<b>A</b> = 25ft <b>B</b> = 50Ft <b>D</b> =100ft	1510	1610- <u></u> L	#14/3 SOW	15A
1610XXX123		1510	1610- <u></u> L	#12/3 SOW	15A
1612XXX123		1510	1610- <u></u> L	#12/3 SOW	20A
2410XXX123		2310	2410- <u></u> L	#12/3 SOW	20A
Note: plug and connector type will be based on s	selection made of the master c	ordset part numbe	er - style will match		
Full Diagnostic Safety SmartCords P/N**	Length	Smart PLUG	Smart Connector	Cord Size	Rating
1510XXX143	<b>A</b> = 25ft <b>B</b> = 50Ft <b>D</b> =100ft	1510- <u> </u> L	1610- <u></u> L	#14/3 SOW	15A
I510XXX123		1510- <u> </u> L	1610- <u></u> L	#12/3 SOW	15A
1512XXX123		1512- <u> </u> L	1610- <u></u> L	#12/3 SOW	20A
2310XXX123		2310- L	2410- L	#12/3 SOW	20A

Note: plug and connector type will be based on selection made of the master cordset part number

\* Replace XXX with: (Economy Cordsets Only)

CML = PermaLink Style Light Industrial Wiring Devices (non-smart Plug and Smart Connector installed)

CMGL = PermaGrip Style Industrial Wiring Devices with nickel plated blades (non-smart Plug and Smart Connector installed)

CW6PL = PermaTite Style Industrial All-Weather Wiring Devices (non-smart Plug and Smart Connector installed)

\*\* Replace XXX with: (Full Diag Cordsets Only)

PML = PermaLink Style Light Industrial Wiring Devices (Smart Plug and Smart Connector installed)

PMGL = PermaGrip Style Industrial Wiring Devices with nickel plated blades (Smart Plug and Smart Connector installed)

PW6PL = PermaTite Style Industrial All-Weather Wiring Devices (Smart Plug and Smart Connector installed)



#### MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED.

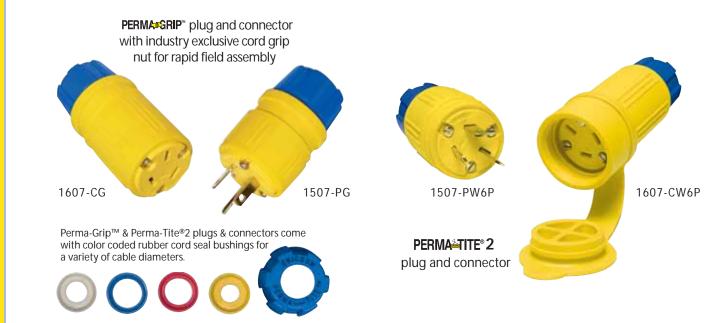
FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed. This Non-NEMA configuration, commonly called the "crowsfoot", is widely used in critical applications that require equipment to be plugged into a specific electrical system to ensure proper function or to prevent equipment damage.

#### **Typical Applications**

- Low-voltage hand lamps and matching transformers
- · Data acquisition/logging equipment to detect level and flow measurements on tanks and valves
- · Sensitive electronic equipment that must be used on voltage regulated circuits

#### Features Guide

- Plug and connector bodies made with PBT chosen for its high resistance to moisture absorption, high voltage arcing and carbon tracking.
- Transparent back-plate makes for quick visual wiring checks.
- · Keyed body and cover for easy alignment/assembly.
- Color-coded sealing bushings are provided to fit a variety of cord diameters.
- Perma-Tite® 2 devices have the eight-point rubber tongue and groove sealing system to provide environmental protection.
- Rubber sealing cap provided with Perma-Tite® 2 connector to keep out contaminants when not in use.
- Optional plug cover available order catalog number 15PW.
- Ericson's exclusive Brilliant Blue and Radiant Yellow High Visibility Dual Color Safety System.
- Perma-Tite<sup>®</sup> 2 devices rated NEMA 4, 4X, 6, 6P & IP67.



Face View	NEMA Config.	Electrical Ratings		Perma	-Grip™	Perma-Tite® 2		
	Non-NEMA	15A	125V	1507-PG	1607-CG	1507-PW6P	1607-CW6P	
	NOT-NEIVIA	10A	250V	1507-FG	1007-00	1307-FW0F	1007-0006	

\*ORIGINATORS OF DEAD-FRONT, BACK-WIRED PLUG CAPS

# PERMESLINK

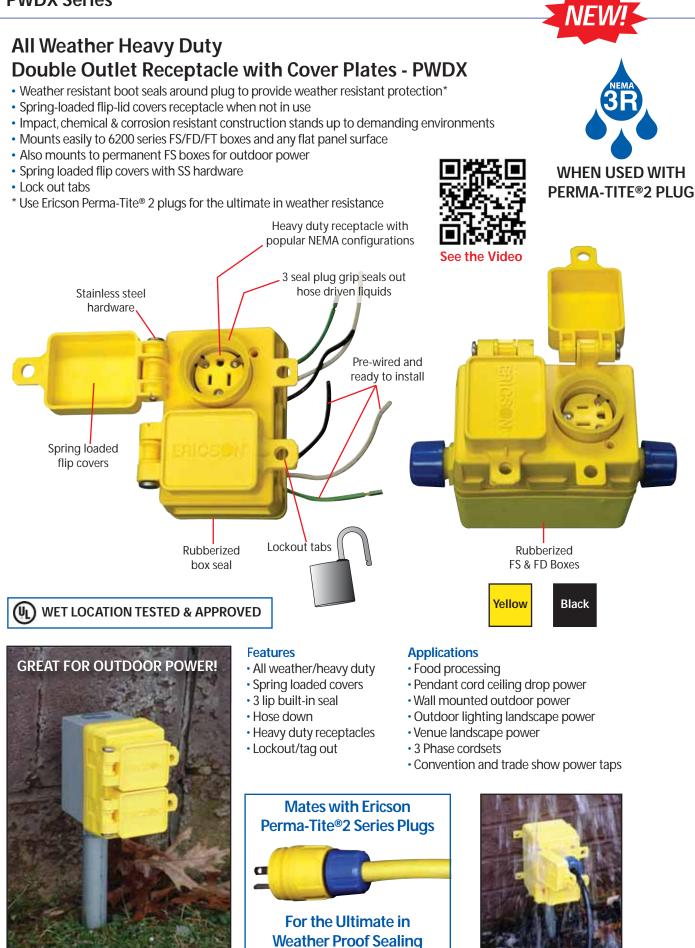
DOUBLE INSULATED PLUG CAPS AND CONNECTOR BODIES

# **Original 1980's Advertisement**



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#### **PWDX Series**



#### **PWDX Series** - Applications

The PWDX Series is designed for hanging pendant power where splash and hose-down are used. The PWDX spring-loaded flip covers are extra deep and internally sealed to guard against splash and hose directed liquids. The non-metallic design is perfect for food and liquid processing where metal and glass fragments are not acceptable. The non-metallic cord grip assembly (an Ericson Exclusive Feature), is tested to hold the PWDX assembly for years of worry free service.

- Single PWDX or Double Receptacle Assemblies
- Each connection covered with spring loaded flip cover
- SS spring and pin hinge assembly
- Great for outdoor or hose down areas
- Lockout/Tagout tabs on each receptacle
- Use wall mount kit to secure (sold separately)



6212NFS Box with

1610-PWDX "pendant

non-metallic" style



1610-PWDX

pendant style



Double 1610-PWDX on 6234WFT enclosure

#### **Power "Stringer" Application**

The versatile PWDX assemblies can be used to build a superior outdoor rated power distribution "stringer" cordset. Use the "feed-thru" models to link the PWDX assemblies along cord for the ultimate in outdoor sealed power drops. Mate the Ericson Brand Perma-Tite2 plugs with the PWDX to get the highest level of dust, rain, hose, spray or snow/ice protection. Great for local carnivals and fairs where compliance is mandatory and non-metallic enclosures are dangerous or not allowed\*.

- "Bathtub" enclosure design restricts water and rain entry
- Use for compliant power stringers
- Mate with Perma-Tite2 plugs for the ultimate in weather tight sealing

\*The NEC restricts the use of metallic "job" boxes for use in temporary relocateable power cords. Only use non-metallic enclosures designed and tested to meet compliance.



6212 NFSF box with 1610-PWDX assembly

6234WFS with 1610-PWDX pendant style



#### **Outdoor Landscape Power**

Perfect for outdoor power taps at home, business or outdoor venues, the PWDX is designed to mate with any metallic FS box for a solid all-weather seal. Use the black versions for more discrete hiding of power taps. GFCI protection is recommended at the service panel with a GFCI circuit breaker to protect the service line, metal conduit /enclosure and PWDX receptacles.

- Perfect for holiday or street lighting in cities
- Much heavier duty than standard clear rain covers
- Mates will all standard metallic FS enclosures



1610-PWDX on metallic FS



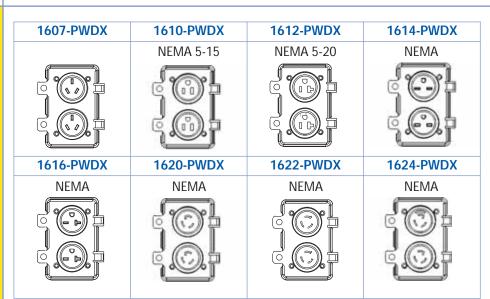
1610-PWDX-BLK on outdoor FS



6212FS mounted to rigid conduit with 1610-PWDX receptacles



#### **PWDX Series** - Accessories





	Metallic Bushing		Wire Mesh Grips	Wall/Post Mount Kit
82005 - 1/2"	82034 - 3/4"	82010 - 1"	82005W = 1/2" 82034W = 3/4" 82010W = 1"	6260WK

\*

#### **PWDX Series**



					NEMA		
	Part Number	Description	Color	Strain Relief	Config	Amps	Volts
	PWDX Dual Receptacle & 0	Cover Assembly/ Prewired					
	Straight						
	1607-PWDX						
	1610-PWDX	Receptacle & Flip Cover, Duplex, All Weather, 5-15	Yellow	n/a	5-15	15	125
	1612-PWDX	Receptacle & Flip Cover, Duplex, All Weather, 5-20	Yellow	n/a	5-20	20	125
	1614-PWDX	Receptacle & Flip Cover, Duplex, All Weather, 6-15	Yellow	n/a	6-15	15	250
	1616-PWDX	Receptacle & Flip Cover, Duplex, All Weather, 6-20	Yellow	n/a	6-20	20	250
(C) (C) 2	1610-PWDX-BLK	Receptacle & Flip Cover, Duplex, All Weather, 5-15, Blk	Black	n/a	5-15	15	125
	1612-PWDX-BLK	Receptacle & Flip Cover, Duplex, All Weather, 5-20, Blk	Black	n/a	5-20	20	125
	Locking						
	1620-PWDX	Receptacle & Flip Cover, Duplex, All Weather, L5-15	Yellow	n/a	L5-15	15	125
	1622-PWDX	Receptacle & Flip Cover, Duplex, All Weather, L6-15	Yellow	n/a	L6-15	15	250
	1624-PWDX	Receptacle & Flip Cover, Duplex, All Weather, L7-15	Yellow	n/a	L7-15	15	277
	Boxes for PWDX - Punche		1011011	- III d	27 10		
	6212FS	Box, Std Depth, PWDX, No bushing, 1/2" NPT	Yellow				
	6234FS	Box, Std Depth, PWDX, No bushing, 3/4" NPT	Yellow				
	6210FS	Box, Std Depth, PWDX, No bushing, 3/4 Ni 1	Yellow				
	6212FD		Yellow				
		Box, Deep, PWDX, No bushing, 1/2" NPT					I
	6234FD	Box, Deep, PWDX, No bushing, 3/4" NPT	Yellow				
	6210FD	Box, Deep, PWDX, No bushing, 1" NPT	Yellow				
	6212FT	Box, OPEN, PWDX, No bushing, 1/2" NPT	Yellow				
	6234FT	Box, OPEN, PWDX, No bushing, 3/4" NPT	Yellow				
	6210FT	Box, OPEN, PWDX, No bushing, 1" NPT	Yellow				
	6212FSF	Box, Std Depth, PWDX, No Bushing, Feed thru, 1/2" NPT	Yellow				
	6234FSF	Box, Std Depth, PWDX, No Bushing, Feed thru, 3/4" NPT	Yellow				
	6210FSF	Box, Std Depth, PWDX, No Bushing, Feed thru, 1" NPT	Yellow				
	6212FDF	Box, Deep, PWDX, No Bushing, Feed thru, 1/2" NPT	Yellow				
	6234FDF	Box, Deep, PWDX, No Bushing, Feed thru, 3/4" NPT	Yellow				
	6210FDF	Box, Deep, PWDX, No Bushing, Feed thru, 1" NPT	Yellow				
	6212FTF	Box, OPEN, PWDX, No Bushing, Feed thru, 1/2" NPT	Yellow				
	6234FTF	Box, OPEN, PWDX, No Bushing, Feed thru, 3/4" NPT	Yellow				
		0					
	6210FTF ALL BLACK - add -BLK to p	Box, OPEN, PWDX, No Bushing, Feed thru, 1" NPT	Yellow				
		T Bushing Installed (N = Non Metallic W = Wire Mesh)					
	6212NFS	Box, Std Depth, PWDX, NM Bushing, 1/2" NPT	Yellow				
	6212NFD		Yellow				
		Box, Deep, PWDX, NM Bushing, 1/2" NPT					I
	6212NFT	Box, OPEN, PWDX, NM Bushing, 1/2" NPT	Yellow				
	6212NFSF	Box, Std Depth, PWDX, NM Bushing, Feed thru, 1/2" NPT	Yellow				I
	6212NFDF	Box, Deep, PWDX, NM Bushing, Feed thru, 1/2" NPT	Yellow				
	6212NFTF	Box, OPEN, PWDX, NM Bushing, Feed thru, 1/2" NPT	Yellow				
	6212WFS	Box, Std Depth, PWDX, WireMesh Bushing, 1/2" NPT	Yellow				
	6212WFD	Box, Deep, PWDX, WireMesh Bushing, 1/2" NPT	Yellow				
	6212WFT	Box, OPEN, PWDX, WireMesh Bushing, 1/2" NPT	Yellow				
	6212WFSF	Box, Std Depth, PWDX, WireMesh Bushing, Feed thru, 1/2" NPT	Yellow				
	6212WFDF	Box, Deep, PWDX, WireMesh Bushing, Feed thru, 1/2" NPT	Yellow				
	6212WFTF	Box, OPEN, PWDX, WireMesh Bushing, Feed thru, 1/2" NPT	Yellow				
	ALL BLACK - add -BLK to p						
	Boxes for PWDX - 3/4" NP	T Bushing Installed (N = Non Metallic W = Wire Mesh)					
	6234NFS	Box, Std Depth, PWDX, NM Bushing, 3/4" NPT	Yellow				
	6234NFD	Box, Deep, PWDX, NM Bushing, 3/4" NPT	Yellow				
m m	6234NFT	Box, OPEN, PWDX, NM Bushing, 3/4" NPT	Yellow				
	6234NFSF	Box, Std Depth, PWDX, NM Bushing, Feed thru, 3/4" NPT	Yellow				
	6234NFDF	Box, Deep, PWDX, NM Bushing, Feed thru, 3/4" NPT	Yellow				
	6234NFTF	Box, OPEN, PWDX, NM Bushing, Feed thru, 3/4" NPT	Yellow				
	6234WFS	Box, Std Depth, PWDX, WireMesh Bushing, 3/4" NPT	Yellow				
	6234WFD	Box, Deep, PWDX, WireMesh Bushing, 3/4" NPT	Yellow				i
	6234WFD	Box, OPEN, PWDX, WireMesh Bushing, 3/4" NPT	Yellow				┝───┤┃
$ $ $\square$		- · · · · · · · · · · · · · · · · · · ·					┝───┤╏
	6234WFSF	Box, Std Depth, PWDX, WireMesh Bushing, Feed thru, 3/4" NPT	Yellow				
	6234WFDF	Box, Deep, PWDX, WireMesh Bushing, Feed thru, 3/4" NPT	Yellow				└───┤╏
	6234WFTF	Box, OPEN, PWDX, WireMesh Bushing, Feed thru, 3/4" NPT	Yellow				
	ALL BLACK - add -BLK to p Boxes for PWDX - 1" NPT	art number for all black Bushing Installed (N = Non Metallic W = Wire Mesh)					
			Yellow				
	6210NFS	Box, Std Depth, PWDX, NM Bushing, 1" NPT					┝───┤┃
	6210NFD	Box, Deep, PWDX, NM Bushing, 1" NPT	Yellow				
	6210NFT	Box, OPEN, PWDX, NM Bushing, 1" NPT	Yellow				┝───┤╏
	6210NFSF	Box, Std Depth, PWDX, NM Bushing, Feed thru, 1" NPT	Yellow				
	6210NFDF	Box, Deep, PWDX, NM Bushing, Feed thru, 1" NPT	Yellow				
	6210NFTF	Box, OPEN, PWDX, NM Bushing, Feed thru, 1" NPT	Yellow				
	6210WFS	Box, Std Depth, PWDX, WireMesh Bushing, 1" NPT	Yellow				
	6210WFD	Box, Deep, PWDX, WireMesh Bushing, 1" NPT	Yellow				
	6210WFT	Box, OPEN, PWDX, WireMesh Bushing, 1" NPT	Yellow				
	6210WFSF	Box, Std Depth, PWDX, WireMesh Bushing, Feed thru, 1" NPT	Yellow				
	6210WFDF	Box, Deep, PWDX, WireMesh Bushing, Feed thru, 1" NPT	Yellow				
	6210WFTF	Box, OPEN, PWDX, WireMesh Bushing, Feed thru, 1" NPT	Yellow				└───┤ <mark> </mark>
	ALL BLACK - add -BLK to p						
L							



 Image: Second Second

# PERMANTITE<sup>®</sup>2 Single Outlet Receptacle with Cover Plates - FS Series

<ul> <li>Weath provid</li> <li>Spring</li> <li>Include</li> <li>Impact</li> </ul>		und Ericson Perma-Tite eptacle when not in use t, stainless steel mounti istant construction star poxes and any flat surfa	plug to e ng plate/mounting scre nds up to demanding en	ws wironments	RICSON	
	Perm	Next Page for 6300	Rubberized Seal	• [	vailable in: Green Black Sand	
PERI	MAXTITE <sup>®</sup> 2 Singl	when used with perma-tite®2 plug e Outlet Cove	Boxes r Plates - FS Se	All Weather Connection Pries		Vet Location Tested & Approved
Face View	NEMA Configuration	Electrica Amps	I Ratings Volts	FS Female Receptacle	2705 Male Inlet Std Opening	2705 Male Inlet Large Opening
15A Stra	aight Blade & Locking 20A St	raight Blade				
Flip Seal	Cover w/ weatherproof boot of			2700-FS <sup>(1)</sup>	1 <sup>7</sup> / <sub>16</sub> " Dia.	2″ Dia.
	Non-NEMA	10/15 Amp	125/250 Volt	2715FS07		
		15 Amp	125 Volt	2715-FS10	2705-15	2705-15A
		20 Amp	125 Volt	2715-FS12	2705-20	2705-20A
	6-15	15 Amp	250 Volt	2715-FS14		
		20 Amp	250 Volt	2715-FS16		
٢		15 Amp	125 Volt	2715-FS20	2705-L15	2705-L15A
•		15 Amp	250 Volt	2715-FS22		
٢		15 Amp	277 Volt	2715-FS24		
	0A Locking, 3-Wire				0.1/ # D1	
	Cover w/ weatherproof boot c			2800-FS <sup>(1)</sup>	2 <sup>1</sup> / <sub>8</sub> " Dia.	
	L5-20	20 Amp	125 Volt	2820-FS10	2705-L20	
		20 Amp	250 Volt	2820-FS12		
		20 Amp	277 Volt	2820-FS14		
	Non-NEMA	20 Amp	125/250 Volt 250 Volt/600 Volt	2820-FS16		
$\bigcirc \bigcirc $	Non-NEMA	20 Amp/10 Amp 30 Amp	125 Volt/600 Volt	2820-FS17 2830-FS10		
	L6-30	30 Amp	250 Volt	2830-F310 2830-FS12		
	L7-30	30 Amp	277 Volt	2830-FS14		
	Non-NEMA	30 Amp	125/250 Volt	2830-F314 2830-FS16		
	OA Locking, 4-Wire	50 Amp	120/200 1011	2000-1010	<u> </u>	
	Cover w/ weatherproof boot c	only		<b>2900-FS</b> <sup>(1)</sup>	2 <sup>1</sup> /8" Dia.	
	L14-20	20 Amp	125/250 Volt	2920-FS20	2705-L142	
	L15-20	20 Amp	250 Volt, 3 ø	2920-FS22		
	L16-20	20 Amp	480 Volt, 3 ø	2920-FS24	2705-L162	
٢	L14-30	30 Amp	125/250 Volt	2930-FS20		
	L15-30	30 Amp	250 Volt, 3 ø	2930-FS22		
	L16-30	30 Amp	480 Volt, 3 ø	2930-FS24		
	L17-30	30 Amp	600 Volt, 3 ø	2930-FS26		
	L18-30	30 Amp	120/208 Volt, 3 ø wye	2930-FS30		
00	Non-NEMA	30 Amp	120/208 Volt, 3 ø wye	2930-FS28		

NOTES:

1. Does not include receptacle. Use with standard receptacles of same electrical ratings.

\* MIRING DEVICES \*

# Single Male Inlet Assemblies with Cover Plates - 2705 FS Series

- Weather resistant boot seals around the connector to provide weather resistant protection
- Spring-loaded flip-lid covers inlet when not in use
- Includes cover plate, rubber boot, stainless steel mounting plate/mounting screws
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to any 6300 series FS/FD boxes and any flat surface
- Spring Loaded SS hardware flip cover

#### **Application Notes:**

The 2705 series of male inlets is designed for all weather power inlet on a variety of applications. The heavy duty flip cover assembly and superior round sealing collar provides a superior seal against the elements. Use for inlet power only. Never use these devices for power output or receptacle. These devices must be wired dead and cannot be accidentally energized without a connector in place.

· Power inlet for powered food trolley carts

- Power inlet for machines in tough environments
- Power charging inlet for fire trucks, ambulances and electric service vehicles Power inlet for portable temporary power panels
- Power charging port for electric battery cars or golf carts



Also available in all black or customized - call Ericson for details



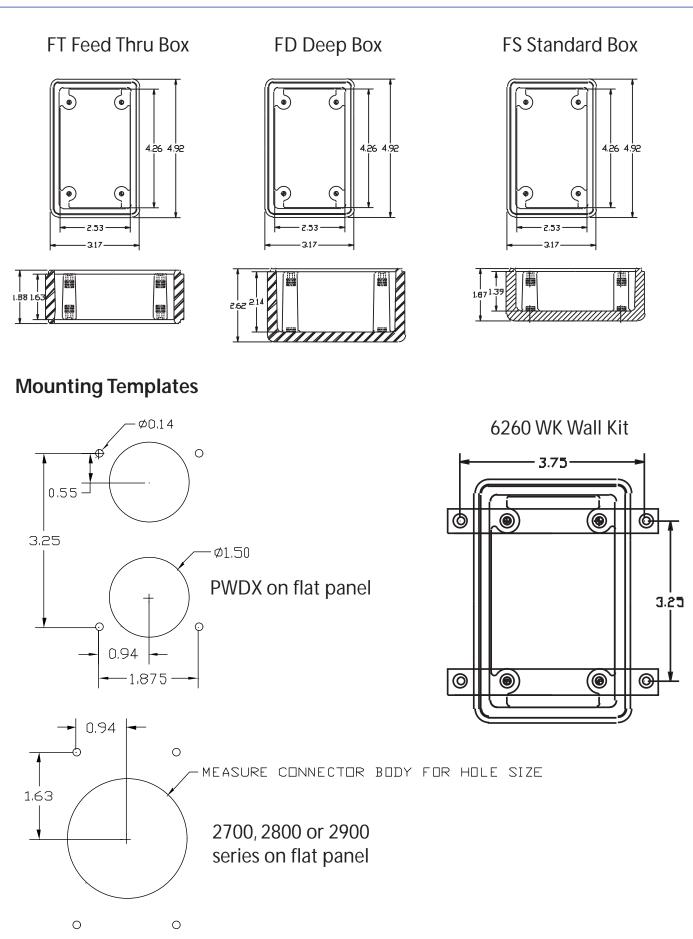
#### 6300 Series Boxes for FS Series Mounting

Part Number	Description			Color			
5312FS		6300, No bushing, 1		Yellow			
334FS		6300, No bushing, 3		Yellow			
5310FS		6300, No bushing, 1		Yellow			
5312FD		, No bushing, 1/2" N		Yellow			
5334FD		, No bushing, 3/4" N		Yellow			
5310FD		, No bushing, 1" NP	Т	Yellow			
** ALL BLACK: add -BLK to	part number for all bla	ck		N			
Boxes for 2705 - 1/2" NPT B				A			
312NFS		6300, NM Bushing,		Yellow			
312NFD	Box, Deep, 6300	, NM Bushing, 1/2" I	NPT	Yellow			
5312WFS		6300, WireMesh Bu		Yellow			
5312WFD		, WireMesh Bushing		Yellow			
Boxes for 2705 - 3/4" NPT Bi				<u>A</u>			
6334NFS		6300, NM Bushing,		Yellow Yellow			
5334NFD		Box, Deep, 6300, NM Bushing, 3/4" NPT					
5334WFS							
6334WFD Box, Deep, 6300, WireMesh Bushing, 3/4" NPT 🥄 😽 Ye							
Boxes for 2705 - 1" NPT Bus				Yellow			
5310NFS	Box, Std Depth, 6300, NM Bushing, 1" NPT						
5310NFD		, NM Bushing, 1" NF		Yellow			
6310NFT		), NM Bushing, 1" NI		Yellow			
6310WFS	Box, Sta Depth,	6300, WireMesh Bu		Yellow			
6310WFD	Box, Deep, 6300	, WireMesh Bushing	), I" NPI	Yellow			
310WFT ** ALL BLACK: add -BLK	BOX, UPEN, 6300	), WireMesh Bushing	g, i npi 🧹	Yellow			
	Metallic Bushing Ki		Wire Mesh Grips	Wall/Post Mount Kit			
82005 - 1/2″	82034 - 3/4″	82010 - 1″	wire wesh Grips	6260 WK			
<u> </u>			1000000	Fits 6300			
o 🔍 🥌			California -	Series Boxes			
	and the		15 Starten				
	1		A				
			82005W = 1/2"				
			82034W = 3/4"	2m			
Kit V			82010W = 1"				



\* WIPING DEVICES

#### **Physical Box Sizes**





# **NEMA Configuration Adapters**

Now make quick, secure connections between straight-blade and locking plugs and connectors with Ericson's NEMA configuration adapters.

- Heavy-duty non-conducting housing and using heavy gauge solid brass blades
- Compact size makes them easy to use and transport
- Available in four of the most popular models



## NEMA Configuration Adapters Selection Guide

Catalog	NEMA Configuration		Description
Number	Male	Female	
1705	$\mathbf{i}$		Male 15A, 125V twist (L5-15P) to 20A, 125V straight (5-20R)
1712		(PA)	Male 15A, 125V straight (5-15P) to 15A, 125V twist (L5-15R)
1740	$\mathbf{i}$		Male 20A, 125V twist (L5-20P) to 20A, 125V straight (5-20R)
1744		69	Male 15A, 125V straight (5-15P) to 20A, 125V twist (L5-20R)
123-20P15C	$\mathbf{i}$		Male 20A, 125V twist (L5-20P) to 15A, 125V straight (5-15R)
123-15P20C			Male 15A, 125V straight (5-15P) to 20A, 125V twist (L5-20R)

15PW with

1510-PW6P Plug

#### PERMANTITE® 2 Plug Cover

- Use with Ericson's Perma-Tite<sup>®</sup> plugs to seal out water, dust and other contaminants and to protect blades from damage when plug is not in-use
- Eight-point rubber tongue and groove sealing system provides environmental protection
- Additional protection provided by a unique internal water/dust wiper
- Easy to assemble
- Ericson's Radiant Yellow for High Visibility on job sites

#### PERMAITITE® 2 Plug Cover Selection Guide

Catalog Number	Description
15PW	Male closure cap, for use with 15A Straight Blade & Locking devices and 20A Straight Blade devices.
16CW	Female replacement cover for CW6P connectors
24CW	Female Large replacement cover for CW6P connectors
26CW	Female 30 Amp Large replacement cover for CW6P connectors

**16CW** - Fits 16XXCW6P Connectors

**24CW** - Fits 24XXCW6P Connectors **26CW** - Fits 26XXCW6P Connectors





MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED.

FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

## Hospital Grade Perma-Link® Plugs and Connectors

The same rugged internal construction as our standard Perma-Link line is found in these units, and in addition they meet UL Hospital Grade standards. Designed for reliable long life, built to withstand exceptional abuse, these dead-front, back-wired devices save installation time, provide maximum protection and can be used for straight blade installations in hospitals, schools, and extended care facilities. Constructed of rugged polybutylene therephthalate (PBT) and a high-tech thermoplastic elastomer (TPE), they have passed tests for ground pin retention, ground resistance, face impact, ground temperature contact, fault current, line blade retention and abrupt removal.

#### INSULATED/INSTITUTION GRAY RUBBER COVER

White and light "institution" gray colors identify this style which provides superior insulation. They are clearly marked "Hospital Grade" and clearly marked with a green dot to signify UL Hospital Grade. Non-conductive cord clamp to accommodate cord sizes #16/3 SJ through #12/3 SO.

#### FAST WIRING CHECK THROUGH CLEAR COVER

White PBT and transparent polycarbonate housing identify this type which permits visual inspection of wiring terminations without disassembly. Impact resistance, and non-conductive. Cord clamp has removable insert to accommodate #16/3 SJTW through #12/3 SO cord sizes.

#### PERMA

				)						.)	
Hospital G	rade Devices wi	ith Gray Co	overs				irade Devices wi lade, 2-pole, 3-w				
Hospital G		ith Gray Co Electrical		Perm	a-Link		lade, 2-pole, 3-w		ding	Perm	a-Link
Hospital G Face View	NEMA	Electrical		Perm Plugs	a-Link Connectors	Straight B		vire Groun	ding	Perm Plugs	a-Link Connectors
	NEMA	Electrical	Ratings	-		Straight B	lade, 2-pole, 3-w NEMA	ire Groun Electrica	ding Ratings		

#### EML520R & EML630R

Ericson offers our same heavy duty receptacles that we use in our own Temporary Power Panels. These wiring devices are primarily used in our OSCAR series and can be used as replacement parts for those products. Features such as color coded screw terminals with combo heads for ease of wiring makes these superior devices the best choice.



### PERMACLINK® 50Amp Locking Plugs and Connectors

Ericson's 50 Amp plugs and connectors incorporate the latest technologies to provide wiring devices that are safer, faster to wire, lighter and easier to identify. These devices are available as plugs, connectors, inlets and receptacles and are available in 3 and 4 wire configurations.



- Rugged nylon construction resists impact, corrosion and jobsite oils/chemicals
- Quick field assembly, no need to disassemble the entire device
- Nickel plated blades and stainless steel screws provide optimum corrosion resistance
- Optional heavy-duty weather-proof boots are available and provide added environmental protection and UV resistance
- Boots can be threaded together with the optional sealing collar system to provide maximum environmental protection
- Available in plugs, connectors, inlets and receptacles



## Our exclusive sealing collar system is available to provide

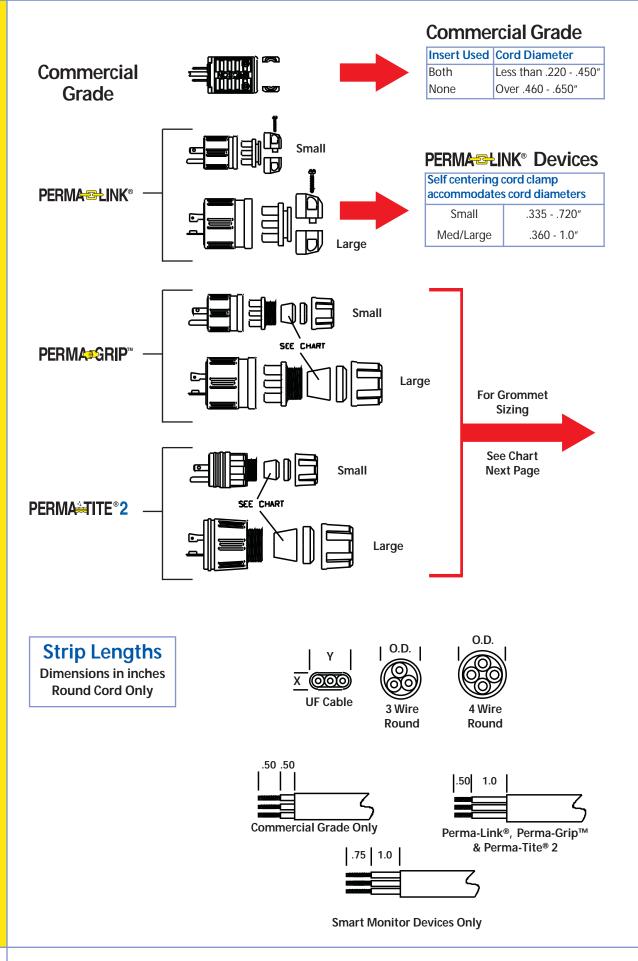
Our exclusive sealing collar system is available to provide maximum moisture protection between cordsets. The two boots are securely sealed together with threaded polycarbonate rings.



#### MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED.

FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

### **Grommet Sizes**



			E	31020	DOXX					E	3102	20X	х				
		Sm White OVAL # 24	Sm Orange OVAL # 25	Sm Yellow # 21	Sm White # 20	Sm Red # 16	Sm Blue # 18	Lg White # 91	Lg Yellow # 90	Lg Black # 89	Lg Blue # 88	Lg Gray # 87	Lg Red # 86	Lg Orange # 85			
MAX CORD DIA. (inch)		OVAL (UF) .160 x .360	OVAL (UF) .230 x .440	0.370	0.450	0.560	0.610	0.450			0.690	0.750	0.830			WIRE	
Plug	Connector			Yellow	White*	Red		White*	Yellow	Black	Blue	Gray	Red	Orange	3	4	3Ø
1510	1610			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$								Х	L	
1512	1612			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$								Х		
1514	1614	<ul><li>Optional **</li></ul>	✓ Optional **	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$								Х	L	
1516	1616	tion	tion	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$								Х		
1520	1620	QD	, op	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$								Х	L	
1522	1622	>	>	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$								Х		
1524	1624			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$								Х		
2310	2410							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х		
2312	2412							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х		
2314	2414							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х		
2316	2416							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х	L	Х
2317	2417							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х		
2320	2420								$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х	
2322	2422								$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х	Х
2324	2424								$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х	Х
2510	2610							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х	L	
2512	2612							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х	L	
2514	2614							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х	L	
2516	2616							$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				Х		Х
2520	2620										$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		Х	
2522	2622										$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		Х	Х
2524	2624										$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		Х	Х
2526	2626										$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		Х	Х
2528	2628										$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		Х	Х
2530	2630										$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		Х	Х

\* May also appear as light tan \*\* May be ordered separately - Call Ericson for details

## **Diameter Ranges of Portable Electrical Cord** In Accordance with UL 62

Туре	AWG Size	2 Conductors	3 Conductors	4 Conductors
SJ,SJE, SJOO,	18	0.280-0.315	0.300-0.335	0.325-0.365
SJO, SJEO, SJT,	16	0.305-0.340	0.325-0.360	0.350-0.395
	14	0.335-0.375	0.360-0.395	0.390-0.435
SJTO, SJTOO	12	0.405-0.455	0.425-0.475	0.465-0.520
	10	0.540-0.605	0.565-0.635	0.625-0.700
S, SE, SOO, SO	18	0.340-0.385	0.360-0.400	0.385-0.430
SEO, ST, STOO,	16	0.365-0.410	0.385-0.430	0.410-0.460
	14	0.495-0.550	0.520-0.575	0.560-0.620
STO	12	0.565-0.625	0.590-0.655	0.640-0.710
	10	0.615-0.685	0.650-0.720	0.700-0.775
	8	0.780-0.880	0.830-0.930	0.925-1.050
	6	0.920-1.050	0.970-1.100	1.050-1.200
	4	1.060-1.210	1.130-1.280	1.250-1.450
	2	1.210-1.400	1.300-1.500	1.450-1.650

Where the second second

Included in package

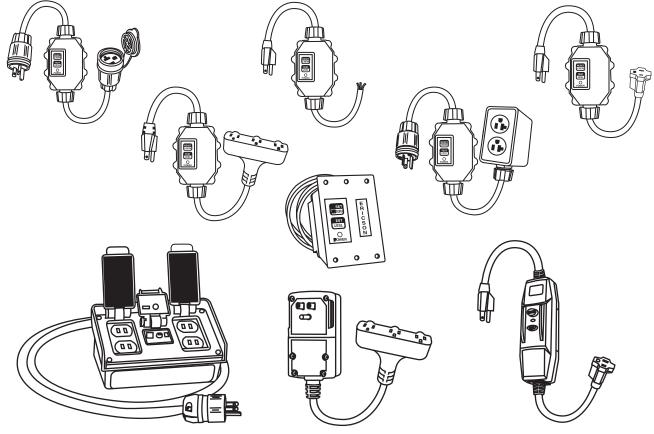
### **Ground Fault Circuit Interrupters**



\* GFCI \*

### **Ground Fault Circuit Interrupters**





# 24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)



(In the latest full searchable listed or certified. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

\* GFCI \*

### **Product Overview**



### XG2 Series - Inline GFCI

- Heavy duty, industrial, portable GFCI sealed base
- Indoor/outdoor use: superior design provides increased resistance to impact, heat, UV exposure, and is water tight
- New and improved TEST and RESET buttons are easier to operate and provide enhanced tactile feel and audible feedback
- Redesigned circuit conforms to the *NEW* UL 943 standard for safety governing GFCIs
- Corrosion test ensures greater immunity to damp, corrosive environments
- Many configurations to choose from

### 1075 Panel Mount GFCI

- UL & cUL recognized to UL943 2003
- Quick and easy field installation into temporary panels and workboxes
- Compact & portable, this unit is easy to use, store and transport
- NEMA 3R rain rated face
- Meets NEC & OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Manual & automatic power-up models available
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation

### **1060 Series Multiple Outlet GFCI**

- Polycarbonate, Impact resistant enclosure retains its properties under the most extreme environmental conditions
- Unit comes standard with extra hard usage #12/3 SEO cable
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Manual & automatic power-up
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status

### **Generator GFCI Cordsets**

- Rubberized Box eliminates "hot" un-grounded dangerous metal quad boxes
- Heavy Duty Perma-Link<sup>™</sup> Plug with rubberized body and nickel plated blades
- Heavy Duty cord for long service life
- GFCI Protection GFCI 5-20 Duplexes protecting 5-20 duplex receptacles
- Heavy Duty cord strain relief at box stands up to rough duty
- 2, 25, 50 and 100 ft cord lengths keeps generator noise away from work area

## Protector Series GFCI - Inline & Plug Style

New from Ericson, the Protector Series of GFCI products offer the flexibility of pre-made corded models or customer wired units without cord. The Protector Series is the latest in GFCI protection technology with under 25mS trip release and reduced nuisance tripping with NOISEGARD technology. Each Protector comes with 3 grommet sizes for cord #16/3, 14/3 or 12/3 SJT cord installation. Large wiring pocket and color coded screw terminals make wiring a snap. The seal around the removable covers keep out rain and dirt on the jobsite. Power on indicator shows protected power is ready for your use.



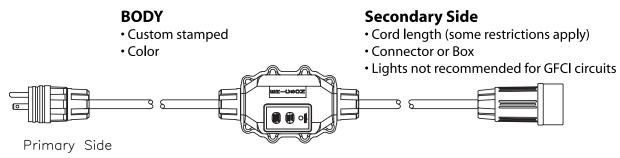






Looking for the best GFCI in the industry? Look at the Ericson XG2 line of GFCIs for your job needs. Tough, fully sealed, NEMA 6P submersible GFCI body with all-weather pushbuttons makes this GFCI the right choice. Many options to order for your particular needs and environments. Customizable with many options to suit.

## **XG2** Customizing

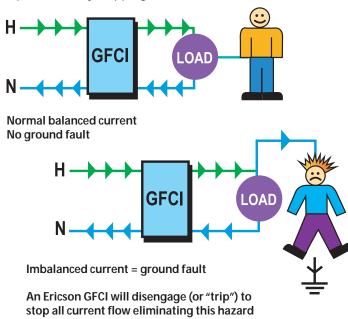


- Plug type
- Cord Lengths over 1 ft. art not available
- Plug color



## How a Ground Fault Circuit Interrupter (GFCI) works...

A GFCI is a fast acting circuit opening or breaking device that stops the flow of dangerous current in the event of electrical shock. The GFCI uses precise electronic circuitry to sense the imbalance of the load from the hot and neutral lines. In other words, the GFCI monitors the current flow leaving and coming on both the hot and neutral lines of the circuit. In the event of an imbalance, the GFCI immediately releases the holding relay and breaks both the hot and neutral lines simultaneously thereby stopping the current flow and preventing human injury. The GFCI is not a circuit breaker in that it does not sense the overall load and disconnect in the event of full or excess balanced current flow. The imbalance in current flow can be very small to "trip" a GFCI. Whenever the current flow "going" and "returning" differs more than 5 mA (+/- 1 mA), the GFCI opens the relay stopping the current flow.



### Beware of "Open Neutrals" and "Reverse Phasing"...

Normally, GFCI receptacles (like those found in your bathroom) can sense ground-faults. However, if the line-side neutral conductor is opened or lifted at a panel, the circuitry in the GFCI receptacles will not have the necessary complete circuit path from which to operate. That means that GFCI is no longer capable of sensing and disengaging. This is called an "open neutral." Anyone using the receptacles protected by the disabled GFCI will not have GFCI protection. And if a faulted tool is connected to the now-unprotected receptacle, the user will be exposed to a shock or electrocution hazard.

# Agency Safety Testing (UL) for Portable Temporary GFCIs and Residential GFCIs is different...

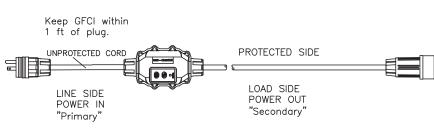
UL 943 is the test standard for GFCIs. However, there is a difference in the requirements for temporary Jobsite GFCIs and the standard residential duplex wall mounted GFCI receptacle. These duplex receptacles are not designed for temporary jobsite power and personnel protection under OSHA, NEC or Canadian C22.2 safety workplace rules. The

residential GFCI duplex can still operate with an open neutral condition due to the unlikely condition that the neutral line in a residential permanently wired home will not be loose or removed at the panel. The likelihood of a temporary panel on a jobsite having an incomplete neutral system is more likely and therefore jobsite portable GFCIs need to be able to handle reverse wiring and open neutral conditions.

SAFE CURRENT VALUES						
Milliamperes - 1 or less	Effect on Average Human					
	Causes no sensation - not felt, is at threshold of perception.					
1 to 8	Sensation of shock. Not painful. Individual can let go at will, as muscular control is not lost. (5mA is accepted as maximum harmless current intensity.)					
UNSAFE CURRENT VALUES						
Milliamperes - 8 to 15	Effect on Average Human					
-	Painful shock. Individual can let go at will, as muscular control is not lost.					
16 to 20	Painful shock. Muscular control of adjacent muscles lost. Cannot let go.					
21 to 99	Painful. Severe muscular contractions. Breathing is difficult.					
100 to 200	Ventricular fibrillation. (A heart condition that may result) Disrupts or changes rhythm of the heart.					
200 & over	Severe burns. Severe muscular contractions - so severe that chest muscles clamp heart and stop it during duration of shock. (This prevents ventricular fibrillation.)					

## Where and How to properly use a GFCI...

GFCIs only sense an imbalance on the load side of the circuit. If the imbalance or path to ground occurs BEFORE the GFCI, then the sensing circuit will not release the relay stopping the current. Because of this fact, you should always place the GFCI as close as possible to the voltage source. Ericson encourages the placement of any GFCI on a cordset to within 1 foot of the primary power plug. This way, there is little cord exposed to damage and not being sensed by the GFCI.



OSHA and the NEC call for the use of GFCIs in all 125 volt 15,20 and 30 amp circuits. Consult your local safety codes for additional GFCI use regulations.

### What is the difference between AUTO and MANUAL GFCIs?

The GFCI terms "auto" and "manual" have been in the electrical industry for years. These simple terms refer to the operation of the GFCI when first plugged into a voltage source. These terms have nothing to do with the "tripping and subsequent resetting" of the GFCI. Separate the two main events for a GFCI: (1) Power up mode and (2) Trip and Reset Mode. Power up mode is the condition of the GFCI after being plugged into a correct voltage source.

AUTO - The "auto" GFCI will immediately energize the relay and allow protected voltage to be available at the "load" side of the GFCI. The GFCI has automatically powered up and is ready for use without the assistance of the human pressing any buttons. Think plug-n-play.

MANUAL - On the "manual" GFCI, the RESET button has a dual role in functionality. <sup>(1)</sup>Powering up the unit and <sup>(2)</sup>resetting after a fault. The "manual" GFCI operates slightly different in that it requires the human to press the "RESET" (which is operating as a power up button on this unit) so the GFCI can close the relay and operate as required.

**RESET** - After a "trip" situation, both styles of GFCI require the pressing of the reset button to re-start the GFCI. CAUTION: Only reset a GFCI after an investigation as to the fault cause has been identified and repaired. GFCIs cannot, nor are ever designed to reset themselves automatically.



## Metal Gang Box Danger

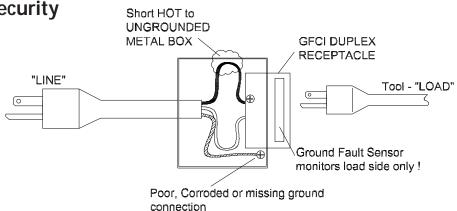
The "traditional" metal gang box on the end of a cord has been a danger for many years.

There are several reasons for the danger:

- Metal boxes are designed for permanently wired installations, not portable temp power.
- No weatherproofing except for outdoor location FS types.
- HOT box danger. (See below)
- Hand Hazard with sharp edges

## The GFCI False Sense of Security

As the diagram shows, the metal gang box can have a common situation in which the earth ground is poor or not connected. There can be a hot short to the metal box in which you now have a "hot" box. The short will not trip the circuit breaker nor will the GFCI trip. The GFCI sensor only watches the "load" side of the receptacle, not the line side. The GFCI is worthless in this situation.

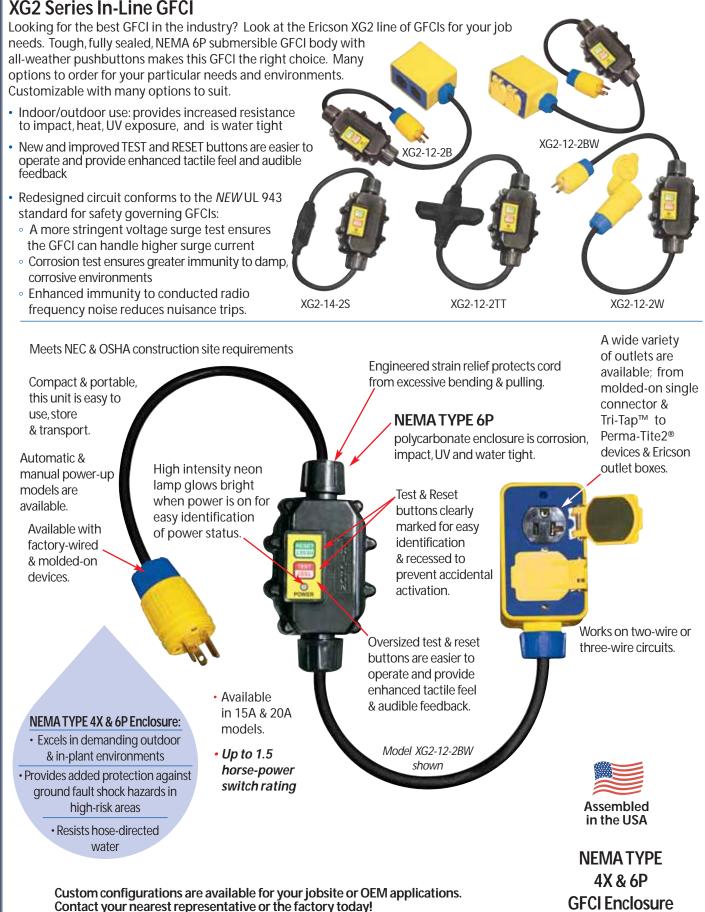


MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED.

FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

### XG2 Series In-Line GFCI

G F C I

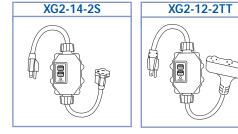


ERICS Nº 1-800-ERICSON (374-2766) • www.ericson.com

### **XG2 Series Selection Guide**

Cat. Number	POWER UP TYPE	LENGTH	PLUG	CONNECTOR	AMPS	WATTS
With Molded-On Plug	& Connector					
XG2-14-2S		2		MLD 5-15		
XG2-14-25S	AUTO	25	MLD 5-15	MLD 5-15	15	1875
XG2-12-2TT	AUTO	2	IVILD 5-15	MLD 5-15 TRI	10	1070
XG2-12-50TT		50		MLD 5-15 TRI		
With Factory-Wired Pe	erma-Grip™ Plug &		r or Molded Plug	1		
XG2-12-2G	AUTO	2	5-20 1512-PG	5-20 1612-CG	20	2500
XG2-12-2G-15	AUTO	2	MLD 5-15	5-15 1610-CG	15	1875
XG2-12-2G-MR-15	MANUAL	2	MLD 5-15	5-15 1610-CG	15	1875
XG2-12-2G-LKG	AUTO	2	5-20 2310-PG	5-20 2410-CG	20	2500
XG2-12-2G-MR-LKG	MANUAL	2	5-20 2310-PG	5-20 2410-CG	20	2500
XG2-12-2G-MR	MANUAL	2	5-20 1512-PG	5-20 1612-CG	20	2500
XG2-12-10G	AUTO	10	5-20 1512-PG	5-20 1612-CG	20	2500
XG2-12-10G-MR	MANUAL	10	5-20 1512-PG	5-20 1612-CG	20	2500
XG2-12-25G	AUTO	25	5-20 1512-PG	5-20 1612-CG	20	2500
XG2-12-25G-15	AUTO	25	MLD 5-15	5-15 1610-CG	15	1875
XG2-12-25G-MR-15	MANUAL	25	MLD 5-15	5-15 1610-CG	15	1875
XG2-12-25G-LKG	AUTO	25	5-20 2310-PG	5-20 2410-CG	20	2500
XG2-12-25G-MR-LKG	MANUAL	25	5-20 2310-PG	5-20 2410-CG	20	2500
XG2-12-25G-MR	MANUAL	25	5-20 1512-PG	5-20 1612-CG	20	2500
XG2-12-50G	AUTO	50	5-20 1512-PG	5-20 1612-CG	20	2500
With Factory-Wired Pe	erma-Tite® Plug & O	connector		11		
XG2-12-2W	AUTO	2	5-20 1512-PW6P	5-20 1612-CW6P	20	2500
XG2-12-2W-15	AUTO	2	5-15 1510-PW6P	5-15 1610-CW6P	15	1875
XG2-12-2W-MR-15	MANUAL	2	5-15 1510-PW6P	5-15 1610-CW6P	15	1875
XG2-12-2W-LKG	AUTO	2	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500
XG2-12-2W-MR-LKG	MANUAL	2	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500
XG2-12-2W-MR	MANUAL	2	5-20 1512-PW6P	5-20 1612-CW6P	20	2500
XG2-12-10W	AUTO	10	5-20 1512-PW6P	5-20 1612-CW6P	20	2500
XG2-12-10W-MR	MANUAL	10	5-20 1512-PW6P	5-20 1612-CW6P	20	2500
XG2-12-10W-MR-15	MANUAL	10	5-15 1510-PW6P	5-15 1610-CW6P	15	1875
XG2-12-10W-LKG	AUTO	10	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500
XG2-12-10W-MR-LKG	MANUAL	10	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500
XG2-12-25W	AUTO	25	5-20 1512-PW6P	5-20 1612-CW6P	20	2500
XG2-12-25W-15	AUTO	25	5-15 1510-PW6P	5-15 1610-CW6P	15	1875
XG2-12-25W-MR-15	MANUAL	25	5-15 1510-PW6P	5-15 1610-CW6P	15	1875
XG2-12-25W-LKG	AUTO	25	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500
XG2-12-25W-MR-LKG	MANUAL	25	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500
XG2-12-25W-MR	MANUAL	25	5-20 1512-PW6P	5-20 1612-CW6P	20	2500
XG2-12-50W	AUTO	50	5-20 1512-PW6P	5-20 1612-CW6P	20	2500
XG2-12-50W-MR	MANUAL	50	5-20 1512-PW6P	5-20 1612-CW6P	20	2500
XG2-12-50W-LKG	AUTO	50	L5-202310-PW6P	L5-20 2410-CW6P	20	2500
XG2-12-50W-MR-LKG	MANUAL	50	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500
Foot Note: 1 All cord is SIT						

Foot Note: 1. All cord is SJT. 2. All product is rated 120 volts.





**6**P

All "W" Models

Water Tight







(Line Products shown on this page may not be listed.)

\* GFCI \*

### XG2 Series Selection Guide

Cat. Number	POWER UP TYPE	LENGTH	PLUG	CONNECTOR	AMPS	WATTS
With Molded-On Plug & (						
With Factory-Wired 6000		ptacles & Pe		•		
XG2-12-2B	AUTO	2	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-2B-15	AUTO	2	5-15 1510-PG	(2) 5-15 DUPLX	15	1875
XG2-12-2B-MR-15	MANUAL	2	MLD 5-15	(2) 5-15 DUPLX	15	1875
XG2-12-2B-MR	MANUAL	2	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-10B	AUTO	10	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-10B-MR	MANUAL	10	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-25B	AUTO	25	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-25B-15	AUTO	25	MLD 5-15	(2) 5-15 DUPLX	15	1875
XG2-12-25B-MR-15	MANUAL	25	MLD 5-15	(2) 5-15 DUPLX	15	1875
XG2-12-25B-MR	MANUAL	25	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-50B	AUTO	50	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-50B-MR	MANUAL	50	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-50B-15	AUTO	50	MLD 5-15	(2) 5-15 DUPLX	15	1875
XG2-12-50B-MR-15	MANUAL	50	MLD 5-15	(2) 5-15 DUPLX	15	1875
With Factory-Wired 6100	Box, Two Duplex Rece	ptacles & Pe	rma-Tite <sup>®</sup> Plug			
XG2-12-2BW	AUTO	2	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-2BW-15	AUTO	2	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-2BW-MR-15	MANUAL	2	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-2BW-MR	MANUAL	2	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-10BW	AUTO	10	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-10BW-MR	MANUAL	10	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-25BW	AUTO	25	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-25BW-15	AUTO	25	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-25BW-MR-15	MANUAL	25	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-25BW-MR	MANUAL	25	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-50BW	AUTO	50	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-50BW-MR	MANUAL	50	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-50BW-15	AUTO	50	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-50BW-MR-15	MANUAL	50	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
Molded Plug with blunt e	end for equipment wir	ing				
XG2R-12-2BS-15	-	2				
XG2R-12-10BS-15		10				
XG2R-12-25BS-15	AUTO	25	MLD5-15	BLUNT	15* *Due to plug rating	1875
XG2R-12-50BS-15		50			*Due to plug rating Plug can be removed. Unit rated for 20A max.	









XG2R-12-\_BS-15



### **Features**

- UL & cUL recognized to UL943
- Quick and easy field installation into temporary panels and workboxes
- Compact & portable, this unit is easy to use, store and transport
- Works on two or three wire circuits
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Molded polycarbonate enclosure is corrosion and impact resistant, and stands up to the toughest jobsite conditions
- Manual & automatic power-up models available
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status

Safety Note: Although receptacle GFCIs appear to provide full-protection, they do not protect against open-neutral hazards! When the line-side neutral is open (which is not an unusual occurrence in temporary wiring installations) receptacle GFCI contacts are mechanically closed and the "hot" wire is still conducting electricity through the load side, which means you risk serious injury. Ericson's panel mount GFCIs DO protect against open neutral hazards, which is why they - and ALL Ericson GFCIs - meet UL, NEC and OSHA requirements.

## **Selection Guide**

Catalog Number	Туре*	Description	Volts	Amps	Watts
1075-MR	Manual	Panel mount GFCI	120V	20A	2400
1075-AR	Auto	Panel mount GFCI	1200	204	2400

\*Power up mode

### Specifications: Material

Enclosure: UV rated Polycarbonate

### Electrical

- Power-up type: Manual or automatic
- Trip level: 4-6mA
- Trip time: less than 25ms (0.025 seconds)
- Leakage current in 93% relative humidity: Zero
- Operating voltage: 120VAC nominal rating (85% to 110% of rated voltage: 102V-132V)
- Low voltage let go: 40% rated voltage
- Grounded neutral detection: 2 ohms or less
- Frequency: 60Hz
- Overload current: 120Amps, inductive 50% Power factor, 1 second
- Radio frequency noise susceptibility: Operates normally with 0.5 VRMS, 10-450Mhz, injected on power lines
- Voltage surge withstand: 6KV impulse, 0.5 microsecond rise time, 100Khz ringing frequency with 40% decay per cycle
- Dielectric voltage withstand:
  - 1500 VRMS between line & load (across contacts)
  - 2500 VRMS between current carrying conductors and ground conductor
  - 4000 VRMS between current carrying conductors and enclosure

### Mechanical

- Color: Black Enclosure
- Power Status Indicator: Lighted NEON
- Contact Size: 0.200" dia.
- Contact Latching: Electro-mechanical

### Environmental

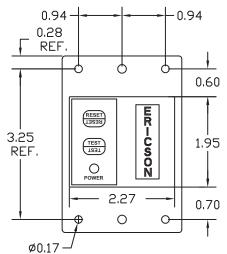
- Operating Temperature Range: -35 °C to +66 °C
- UL94 5V flammability

### Listings

UL & cUL recognized



### TYPICAL PANEL CUTOUT.



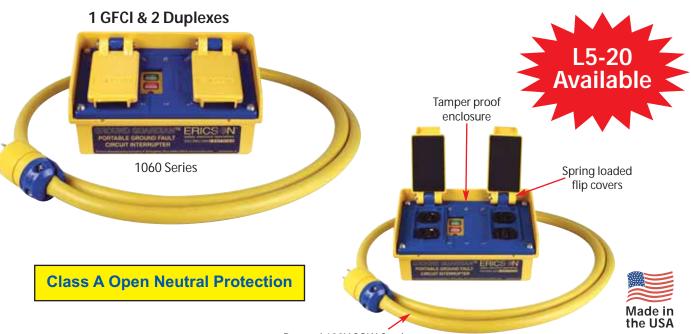
Note: Products shown on this page may not be listed.

\* gfci \*

WITCH RATE

### **Features**

- Polycarbonate, Impact resistant enclosure retains its properties under the most extreme environmental conditions
- Spring-loaded flip lids protect outlets from jobsite contaminants when not in use
- Unit comes standard with extra hard usage #12/3 SEO cable
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Manual & automatic power-up
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status (1060)



## **Selection Guide**

Rugged 600V SOW Cord

Catalog	Tupo*	Outlets	Primai	ry Cord	Dlug	Volts	Amos	Watts	
Number	Туре*	Outlets	Length	Туре	Plug	VOILS	Amps	walls	
1060	Manual	(4) NEMA 5-15 15A,	6'	#12/3 SEO	5-15	120	15	1800	
1060-A	Auto	120Volt Straight Blade	0	# 12/3 SLO	5-15	120	15	1000	
1061	Manual	(4) NEMA L5-15	6'	#12/3 SEO	L5-15	120	15	1800	
1061-A	Auto	15A, 120Volt Locking	0	#12/3 SEO	E3-13	120	13	1000	
1062	Manual	(4) NEMA 5-20 20A,	6'	#12/3 SEO	5-20	120	20	2400	
1062-A	Auto	120Volt Straight Blade	5	# 12/3 3LO	5-20	120	20	2400	

\*Power up mode - does not effect reset after trip Consult factory for custom configurations



## Need a Custom Version? Contact Us Today

## 120 & 240V, 3 & 4 Wire 20 & 30 AMP (L5-20, L5-30, L14-20 & L14-30 Plugs)

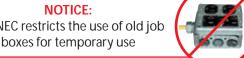
Ericson offers these Heavy Duty Emergency Power Cordsets with these features:

- Rubberized Box eliminates "hot" un-grounded dangerous metal quad boxes
- Heavy Duty Perma-Link<sup>™</sup> Plug with rubberized body and nickel plated blades
- Heavy Duty SJ & SO cord for long service life
- GFCI Protection GFCI 5-20 Duplexes protecting 5-20 duplex receptacles
- Heavy Duty cord strain relief at box stands up to rough duty
- 2, 25, 50 and 100 ft cord lengths keeps generator away from family and work area

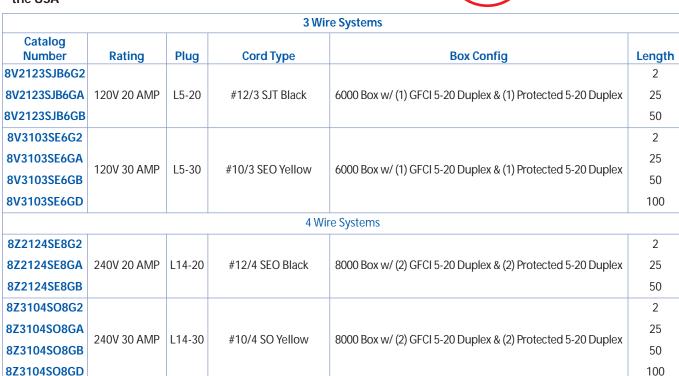




Side A NOTICE: The NEC restricts the use of old job



8Z3104SO8GA



Other configurations available - call for pricing.





### **Protector Series Selection Guide**

Model	Description	Power On*	Amps	Primary Line Cord	Secondary Load Cord
G901	90 Deg Plug, Auto, No Cord	Auto	15 A	Self Plug 5-15	u-add up to #12/3 SJT
G902	90 Deg Plug, Manual, No Cord	Manual	15 A	Self Plug 5-15	u-add up to #12/3 SJT
G903-1	90 Deg Plug, Auto, 1 ft 5-15	Auto	15 A	Self Plug 5-15	1 ft, 5-15 Conn, #12/3 SJT
G903-1TT	90 Deg Plug, Auto, 1 ft 5-15 Tritap	Auto	15 A	Self Plug 5-15	1 ft, 5-15 TriTap, #12/3 SJT
G904-1	90 Deg Plug, Manual, 1 ft 5-15	Manual	15 A	Self Plug 5-15	1 ft, 5-15 Conn, #12/3 SJT
G904-1TT	90 Deg Plug, Manual, 1 ft 5-15 Tritap	Manual	15 A	Self Plug 5-15	1 ft, 5-15 TriTap, #12/3 SJT

\* Power on function : Auto = GFCI comes on immediately upon power being applied to line side and sends protected power to load side without pressing buttons. Manual = RESET/START button must be pressed to send protected power to Load side of GFCI. All GFCIs must be RESET if a trip condition occurs. No automatically resetting functions are possible after a trip condition.

### **Protector Series GFCI - Inline**

New from Ericson, the Protector Series of GFCI products offer the flexibility of pre-made corded models or customer wired units without cord. The Protector Series is the latest in GFCI protection technology with under 25mS trip release and reduced nuisance tripping with NOISEGARD technology. Each Protector comes with 3 grommet sizes for cord #16/3, 14/3 or 12/3 SJT cord installation. Large wiring pocket and color coded screw terminals make wiring a snap. The seal around the removable covers keep out rain and dirt on the jobsite. Power on indicator shows protected power is ready for your use.



\* Power on function : Auto = GFCI comes on immediately upon power being applied to line side and sends protected power to load side without pressing buttons. Manual = RESET/START button must be pressed to send protected power to Load side of GFCI. All GFCIs must be RESET if a trip condition occurs. No automatically resetting functions are possible after a trip condition.



#### MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED.

FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

### Hand Held 7-Way GFCI Tester

- Hand held 7-way GFCI tester tests circuits seven critical ways
- Use on NEMA 5-15, 5-20 /120VAC 3-wire outlets and GFCI protected outlets
- Simply plug in the tester, see which lights are activated and read the easy-to-see color coded chart to identify the condition of the wiring
- When testing GFCI receptacles, simply press the thumb button to test for proper GFCI operation

### Plug-In to test for:

- Open hot
- Hot/ground reversed • Open ground Hot/neutral reversed
- Open neutral
- Correct wiring
- Proper GFCI operation

### Test GFCI's

Insert tester into live GFCI receptacle and observe lights for proper wiring; then press the RED button for 1 second...

If the GFCI trips – This indicates the GFCI detection circuit is working properly and the GFCI is OK. Reset the GFCI receptacle.

If the GFCI does not trip – The GFCI detection circuitry is not working properly and needs to be investigated by an authorized electrician.

### **Selection Guide**

Catalog Number	Description			
1099	Hand-held 7-way GFCI tester			

Indicator	Fault	Reason for Wiring Fault				
$\bigcirc \bigcirc \bigcirc \bigcirc$	Open Ground	Ground contact not connected				
$\bigcirc\bigcirc\bigcirc$	Open Neutral	Neutral contact not connected				
000	Open Hot	Hot contact not connected				
$\bigcirc\bigcirc\bigcirc$	Hot Ground Reverse	Hot and ground contacts interchanged				
	Hot Neutral Reverse	Hot and neutral contacts interchanged				
$\bigcirc \bigcirc \bigcirc \bigcirc$	Correct	Receptacle is wired correctly				

## **Tests All Types of GFCI Devices**







### **Ericson Advertising**



# **Original 1950's Advertisement**



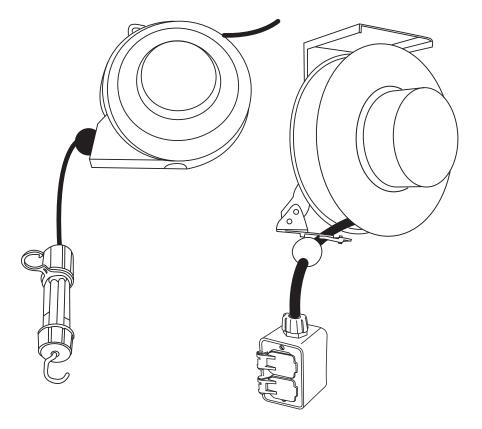
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\* GFCI \*

### Reels

\* 51333 \*

REELES



## 24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)





- Commercial duty black cord reel
- High impact, corrosion resistant non-metallic housing
- Ideal for use in commercial/industrial workshops, auto garage & machine shops
- Reel mounts to wall or ceiling
- Reel swivels 180° to cover wide range work area
- Compact size allows mounting in tight spaces- Only 6" wide x 11" diameter
- Available with NEMA 5-15 Tri-Tap™ outlets or fluorescent handlamp

### 2900 Series - Light Duty Cord Reels

- · Light duty bright yellow cord reel with steel housing
- · Ideal for use in machine shops, automotive garages and commercial and light industrial workshops
- Reel mounts to wall or ceiling
- 2 ft. primary cord with molded-on NEMA 5-15 plug provides wide reach to plug in to nearest receptacle

### 4000 Series - Industrial

- UL Listed & CSA certified
  - Ideal for Indoor and Outdoor Use NEMA 4 Rated
  - Compact Size (12.75" H x 7.75"W 18 lbs. less cable)
  - Heavy Formed Steel Stand (5/16" thick)
- Available in 3 and 4 Conductors (incl. dedicated ground)
- All-Steel Pawl and Ratchet with 4 Locking Positions
- Automatic Locking Ratchet With lockout Lever Option

### 5000 Series - Large Cable Cord Reels

- Ideal for Indoor and Outdoor use (wet or dry)
- Weatherproof NEMA 4X Slip Ring Enclosure
- Heavy All-Steel Construction
- · Formed Steel Stand with Multiple Mounting Holes
- 35 Amp/600 Volt Slip Ring
- Available in Welding & Grounding Reel Version
- Supplied with Type SOW or SOOW Cable installed

# 6000/7000 Series - Extra Long Cord Reels • Excellent performance in industrial indoor and outdoor applications (wet or dry)

- Built to NEMA 4 Standards/CSA certified
- Standard two-piece roller-guide design for maintainability, with a 345° mounting range
- Reels are sized to handle Type SOW, Type W or Type G cable
- Add an extra 7 feet of cable for hookup/safety wrap, as well as an extra 10% of total travel length for stretch applications



- Built to NEC standards
- Indoor or outdoor use
- Rugged fabricated steel and cast aluminum construction
- 30 Amp / 600 Volt advanced slip ring assembly





#### MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED.

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### **Reel Construction**

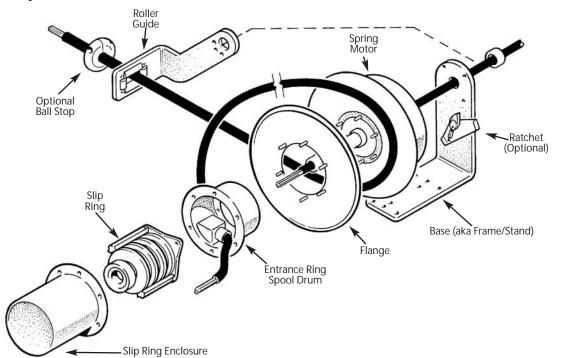
### Five Basic Parts:

**Base/Stand:** Supports and mounts the reel **Spring Motor:** Motor which rotates the spool **Spool:** Composed of a Drum and two Flanges **Slip Ring:** Transfers power from a stationary source to rotating source **Roller Guide:** Guides the cable during payout and rewind

### Definition of Terms:

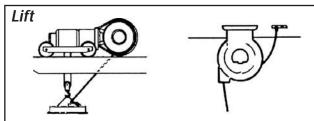
Active Length: The difference between the minimum and maximum payout of cable Safety Wrap: Cable that stays on the reel at maximum payout (Usually 2 complete wraps) Sag Factor: The effect of gravity on actual travel length during stretch applications (6% - 10%) Lift Height: The distance between where the cable lays to the center line of spool Payout: Pulling cable out of the reel Retract or Rewind: Rewinding cable back into the reel

**Components of a Cable Reel** 

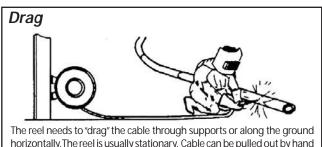


## **Quick Index & Application Guide**

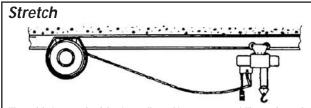
	Typical Applications							
	Commercial Facilities	Light Industrial	General Industrial	Heavy-Duty Industrial	Hazardous Locations			
	Dry environments	Dry environments	Dry environments where	Dry or wet areas where rain,	Classified per NEC article			
	where no rain, spray or	where no rain, spray or	subject to frequent use	spray or other moisture is	500 & where rain, spray or			
	other moisture is present	other moisture is pres-	to supply light or power	present. Reel used to supply	other moisture is present.			
	such as workshops & auto garages.	ent such as schools and firehouses.	to portable or moving equipment.	light or power to portable or moving equipment.				
Reel Series	a auto yarayes.	and menouses.	equipment.	moving equipment.				
3000 Commercial Duty	•							
2900 Light Duty	•							
4000 Industrial Duty	•	•	•					
5000 Industrial Duty	•	•	•	•				
6000 Heavy Duty Industrial	•	•	٠	•				
7000 Heavy Duty Industrial	•	•	•	•				
8000 Hazardous Location					•			
SDR Grounding Reels	•	•	•	•				



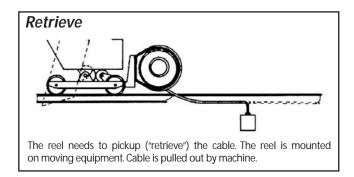
The reel needs to "lift" the cable vertically. The reel is usually stationary. Cable is pulled out of the reel by machine or by hand (as with an overhead light source or a pendant station.)



horizontally. The reel is usually stationary. Cable can be pulled out by hand or by machine. Note: This application is the hardest on cable life.



The cable is "stretched" horizontally and is unsupported. The reel may be stationary mounted or mounted onto moving equipment. Cable is pulled out by machine. An extra 6% -10% in cable beyond active travel is required for cable sag.



Follow these three steps to make sure you get the best reel for your application needs. Your local representative or the sales team at our factory are glad to help if you need additional assistance.

### Step 1: Mechanical Requirements:

- How will the reel be used? Stretch, Lift, Drag, or Retrieve? (See left for guidance)
- What type of environment will the reel be located in? (Indoors, outdoors, corrosive environment)
- What is the Duty Cycle? (How often will be reel payout and retract?)
- What is the maximum speed of equipment? (Maximum recommended speed is 150 feet per minute)

### Step 2: Electrical Requirements:

- How much amperage is the cable expected to handle?
- At what voltage?
- What will the reel be required to handle: power, control, or communication signals?
- · How many total conductors are required? (Please include one conductor for dedicated ground)
- What gauge (AWG) cable is required? The amperage and total number of conductors required will determine the gauge

### Step 3: Cable Length Requirements:

- ADD: Active Length: The difference between the minimum operating payout
- PLUS: Inactive Length: Cable that always stays out of the reel, even at full retraction
- PLUS: Safety Wrap:\* Cable that stays on the reel at maximum payout - See note below for details
- PLUS: Sag Factor (Stretch Only): Add 10% to Active and Inactive Length total
- Lift Height (Drag/Retrieve): The distance between where the cable lays up to the spool center line. Max 4'
- Hook up Length: Cable required for termination at both ends - 2-3' Spool End
- \* NOTE: Series 4000 = 2'
  - Series 5000 = 2'
    - Series 6000 = 5'
    - Series 7000 = 5'
    - Series 8000 = 3'





- Commercial duty black cord reel
- High impact, corrosion resistant non-metallic housing
- Ideal for use in commercial/industrial workshops, automotive garage & machine shops
- · Reel mounts to wall or ceiling
- Reel swivels 180° to cover wide range work area
- · Compact size allows mounting in tight spaces-Only 6" wide x 11" diameter
- Ratchet lock holds cord at desired position
- Available with NEMA 5-15 Tri-Tap<sup>™</sup> outlets or fluorescent handlamp
- Installation kit comes complete with instruction sheet, mounting bracket and all the hardware needed for a complete installation
- · Circuit breaker to prevent overload

### 3000 Series Cord Reel Selection Guide

	Angle Light	Tri-Tap Outlet
Non-metallic Housing with:		
With 50-ft. of cable	3163-50-AL	3163-50-TT
SPECIFICATIONS:		
Cord Size	#16/3	#16/3
Cord Type	SJTOW	WTL2
Circuit Breaker	8 Amps	8 Amps
Cord Outlets	N/A	(3) NEMA 5-15
Primary: Cord Length	2 ft.	2 ft.
Power Switch in Handlamp Handle	Yes	-
Side Outlet in Handlamp Handle	(1) NEMA 5-15	-
Bulb Wattage	13 watt	_
Bulb Included	Yes	_
Ballast Location	Handle	_

# **2900 Series - Light Duty Cord Reels** • Light duty bright yellow cord reel with steel housing

- Ideal for use in machine shops, automotive garages
- and commercial and light industrial workshops
- · Reel mounts to wall or ceiling
- · 2 ft. primary cord with molded-on NEMA 5-15 plug provides wide reach to plug in to nearest receptacle
- · Reel comes with incandescent or fluorescent handlamp
- · Ratchet lock holds cord at desired position

2900

## 2900 Series Selection Guide

Cord GA., #Cond. & Type	Length		
#16/3 SJT	30′	2900	
#18/2 SJT	40′		2910
Specifications:			
Volts		120	120
Amps		10	7
Handlamp:			
Wattage		100 watt	13 watt
Switch		Yes	Yes
Side Outlet		Yes	

2910





4000 Series

Standard Reel Offering	4000	5000	6000	7000	8000
Lift/Drag Application	Standard	Standard	Standard	Standard	Standard
Ball Stop included	Yes	Yes	Yes	Yes	Yes
Ratchet Installed	Yes	Yes	Yes	Yes	Yes
Primary Power Cord & Plug attached to Reel	Yes - Molded plug matches amp rating of cord/reel	No - must run conduit and hardwire	No - must run conduit and hardwire	No - must run conduit and hardwire	No - must run conduit a nd hardwire
SJ Cord Type	Standard	Not available	Not available	Not available	Not available
SO Cord Type	By part number designation only -SO	Standard	Standard	Standard	Standard - XP locations must have SO cable per NEC
Blunt Secondary	Standard	Standard	Standard	Standard	Standard
Add-ons installed - Lights - Power Boxes - Single Connectors	Per part number & cord size limitations	Per part number & cord size limitations	Per part number & cord size limitations	Per part number & cord size limitations	XP Type only - Per part number & cord size limitations
Stretch/Retrieve No Ball Stop No Ratchet installed	Not available	Custom RFQ Only	Custom RFQ Only	Custom RFQ Only	Custom RFQ Only
Cord Type - Standard	#16/3 SJOW to #12/4	#16/3 SOW to #10/6	#16/3 SOW #10/4	#16/4 SOW to #10/4	#16/3 SOW to #14/4
Electrical Rating (Amps @ 120V)	10A to 20A	5A to 25A	8A to 25A	12A to 25A	8A to 20A
Lengths Available	25 to 50 Ft	20 to 70 ft	70 to 150 ft	125 to 150 Ft	20 to 50 ft



### 4000 Series - Industrial Grade Cord Reels

• Ideal for Indoor and Outdoor Use - NEMA 4 Rated (wet or dry - less electrical options & molded plug which are NEMA 2) Safety-Yellow Powder-Coated Finish • Compact Size (12.75" H x 7.75"W - 18 lbs. less cable) • Heavy Formed Steel Stand (5/16" - thick) Available in 3 and 4 Conductors (incl. dedicated ground) All-Steel Pawl and Ratchet with 4 Locking Positions Automatic Locking Ratchet With lockout Lever Option • Adjustable / Removable Steel Cable Guide (3/16" - thick) • Low-Friction, 4-roller cable guide ADD ONE OF THESE GREAT OPTIONS **GREAT FOR** 

UL Listed & CSA certified

GREAT FOR SCHOOLS, FIREHOUSES & PULL DOWN DISPLAY POWER

## 4000 Series Cord Reel Selection Guide

	Reel w/ Cable Only		944-RS	900	
	SJOW Cable	SOW Cable	Handlamp	Handlamp	
Reels with 3-Conductor Cable					
with 25-ft. of #16/3 AWG	4163-25	4163-25SO	CTS	CTS	
with 35-ft. of #16/3 AWG	4163-35	4163-35SO	CTS	CTS	
with 50-ft. of #16/3 AWG	4163-50	4163-50SO	CTS	CTS	
with 30-ft. of #14/3 AWG	4143-30	4143-30SO	4143-30-HSS	4143-30-F	
with 40-ft. of #14/3 AWG	4143-40	4143-40SO	4143-40-HSS	4143-40-F	
with 50-ft. of #14/3 AWG	4143-50	See 5000 Series Reels	4143-50-HSS	4143-50-F	
with 25-ft. of #12/3 AWG	4123-25	See 5000 Series Reels	4123-25-HSS	4123-25-F	
with 50-ft. of #12/3 AWG	4123-50	See 5000 Series Reels	4123-50-HSS	4123-50-F	
Reels with 4-Conductor Cable					
with 35-ft. of #16/4 AWG	4164-35	4164-35SO			
with 50-ft. of #16/4 AWG	4164-50	4164-50SO			
with 35-ft. of #14/4 AWG	4144-35				
with 25-ft. of #12/4 AWG	4124-25	4124-25SO			
with 35-ft. of #12/4 AWG	4124-35				
SPECIFICATIONS:					
Electrical Ratings	300V	600V			
Reels with AWG #16/3,#16/4	10A, 8A	10A, 8A	125v/10A	125v/2A	
Reels with AWG #14/3, #14/4	15A,12A	15A,12A	125v/15A	125v/2A	
Reels with AWG #12/3, #12/4	20A,16A	20A, 16A	125v/20A	125v/2A	
Cord Type	SJOW-A	SOW-A	SJOW-A	SJOW-A	
Power Switch in Handlamp Handle	_	_	Yes	Yes	
Side Outlet in Handlamp Handle	_	_	Yes	No	
Guard Material	_	_	Zinc Plated Steel	Non-Metallic	
Handle Material	_	_	Vinyl Nitrile Rubber	Vinyl Nitrile Rubber	
Bulb Wattage	_	_	100111		
Bulb Included	_		100 Watt	13 Watt Fluorescen	



- Adjustable Ball Stop Included
- 6' Feeder Cord (Note: Molded plug included on all NEMA 2 models)
- Slip Ring: 30 Amps, 600 Volts
- Available with or without Type SJOW/SJOOW
- Note: Add an extra 3' of cable for hookup/safety wrap, plus 10% extra cable for stretch applications due to sag factor
- · Available with and without handlamps or receptacle box pre-installed



CTS\* - Cord gauge is too small \*Two independent GFCI circuits



MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY

Note: Products shown on this page may not be listed.

### 5000 Series - Large Cable Cord Reels

SOW Cable Gauge & Conductors - 600V

**Amp Rating** 

- Ideal for Indoor and Outdoor use (wet or dry)
- Weatherproof NEMA 4 Slip Ring Enclosure
- Heavy All-Steel Construction
- Safety-Yellow Powder-Coated Finish
- Numbered Terminal Blocks for Simplified Hookup
- · Formed Steel Stand with Multiple Mounting Holes
- Guide Arm (4-roller, adjustable to 12 positions for efficient cable storage)
- Ratchet positive lock including constant tension feature
- 35 Amp/600 Volt Slip Ring

**40'** 

- Available in Welding & Grounding Reel Version
- Available in a hose reel version
- Supplied with Type SOW or SOOW Cable installed
- Primary cordset not supplied with reel

**50'** 

Ratchet & ball stop included

ADD



16/3 10A 5163-20 5163-30 5163-40 5163-50 16/4 8A 5164-20 5164-30 5164-40 5164-50 16/6 5166-20 5166-30 5166-40 5166-50 8A 16/8 7A 5168-20 5168-30 5168-40 5168-50 51610-40 16/10 5A 51610-20 51610-30

30'

**5000 Series Cord Reels Selection Guide** 

20'

16/12	5A	51612-20	51612-30	51612-40		
14/3	15A	5143-20	5143-30	5143-40	5143-50	5143-60
14/4	12A	5144-20	5144-30	5144-40	5144-50	5144-60
14/6	12A	5146-20	5146-30	5146-40	5146-50	
14/8	10.5A	5148-20	5148-30			
14/10	7.5A	51410-20				
12/3	20A	5123-20	5123-30	5123-40	5123-50	5123-60
12/4	16A	5124-20	5124-30	5124-40	5124-50	
12/6	16A	5126-20	5126-30			
12/8	14A	5128-20				
10/3	25A	5103-20	5103-30	5103-40	5103-50	
10/4	20A	5104-20	5104-30	5104-40	5104-50	
10/6	20A	5106-20	5106-30			

For Reel Dimensions, refer to the end of this section.



- Our 6000 Series and 7000 Series reels are your top-quality, low-cost alternative to other spring reels of this capacity. These reels offer heavy-duty performance at some of the most attractive prices in the market.
- Excellent performance in industrial indoor and outdoor applications (wet or dry)
- Built to NEMA 4 Standards/CSA certified
- Heavy all-steel construction
- Safety-yellow powder-coated finish
- Standard two-piece roller-guide design for maintainability, with a 345° mounting range
- Safety-sealed, lifetime lubricated spring motor canister
- Generously sized slip ring housing with fully articulating brushes for flawless contact in adverse conditions
- Variety of ring amp ratings from 35-150 Amps
- Reels are sized to handle Type SOW, Type W or Type G cable
- Add an extra 7 feet of cable for hookup/safety wrap, as well as an extra 10% of total travel length for stretch applications
- Primary not supplied with reels
- Order ratchet and ball stop separately

### 6000 & 7000 Series Cord Reels Selection Guide

SOW Cable	OW Cable Gauge & Conductors						
	Amp Rating	70′	80′	90′	100′	125′	150′
16/3	10	6163-70	6163-80	6163-90	6163-100	6163-125	6163-150
16/4	8	6164-70	6164-80	6164-90	6164-100	6164-125	7164-150
14/3	15	6143-70	6143-80	6143-90	6143-100	6143-125	7143-150
14/4	12	6144-70	6144-80	6144-90	6144-100	7144-125	7144-150
12/3	20	6123-70	6123-80	6123-90	6123-100	7123-125	7123-150
12/4	16	6124-70	6124-80	6124-90	6124-100	7124-125	
10/3	25	6103-70	6103-80	6103-90	6103-100	7103-125	
10/4	20	6104-70	6104-80	6104-90	6104-100	7104-125	

For Reel Dimensions, refer to the end of this section.

## Add-Ons - Add to Base Part Number (Call for Details)





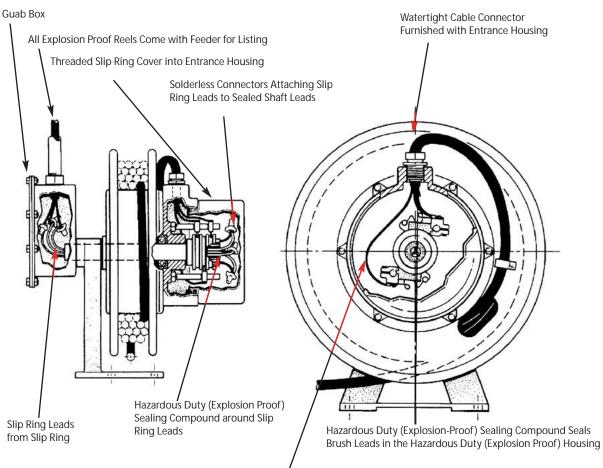
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### 8000 Series - Hazardous Location Cord Reels



- Enclosures are designed to comply with requirements for Class I, Div 1 - Groups C & D and Class II, Groups F & G but are not certified by any regulatory body
- Built to NEC standards
- Indoor or outdoor use
- Rugged fabricated steel and cast aluminum construction
- 30 Amp / 600 Volt advanced slip ring assembly
- Threaded junction box and slip ring enclosure
- SOW-A cable on factory assembled models
- Spring activated ratchet
- 4-roller adjustable cable guide
- Maximum dimensions: 14 1/2" H x 14 1/2" W x 17" D
- Note: 5 additional feet of cable required for safety wrap and hookup



EXPLOSION PROOF!

Slip Ring Brush Leads from Spooled Cable

\* 21332 \*

### **Reel & Handlamps Meet or Exceed Hazardous Location Requirements**

Class I, Div. I, Groups C & D

• Class II, Groups F & G

## Add a Hazardous Handlamp for a Complete System



100W Incandescent

26W Fluorescent

### 8000 Series Hazardous Duty Reel Selection Guide

SOW Cable Gauge &	Length of Cable	Reel with	Reel w/ Hazardou	is Duty Handlamp
Conductors	Cable	Cable Only	2600	2500
16/3	20′	8163-20	8163-20-XPI	8163-20-XPF
16/3	40′	8163-40	8163-40-XPI	8163-40-XPF
16/3	50′	8163-50	8163-50-XPI	8163-50-XPF
16/4	20′	8164-20		
16/4	40′	8164-40		
16/4	50′	8164-50		
14/3	20′	8143-20	8143-20-XPI	8143-20-XPF
14/3	40′	8143-40	8143-40-XPI	8143-40-XPF
14/3	50′	8143-50	8143-50-XPI	8143-50-XPF
14/4	20′	8144-20		
14/4	40′	8144-40		
14/4	50′	8144-50		



Areas used for fuel handling, mines and other places where airborne flammables may exist, require reliable static discharge systems...and Ericson has them. Ericson grounding reels are perfect for discharging dangerous static electricity build-up in hazardous environments.



Built to NEC Standards

- · For indoor use only
- Rugged all steel construction
- Compact Design
- Mounts in any position
- Red epoxy coated finish
- · Feet are unfinished for maximum electrical contact
- Resistance not exceeding 0.3 OHMS
- Includes aircraft type cable: 3/32" diameter standard steel
- Includes 100 Amp grounding clamp
- Includes automatic locking ratchet with lockout feature for constant tension

## **Selection Guide**

Cable Length	Resistance (ohms)	Description	Catalog Number
50 ft.	0.3	Single Cable	SDR-50



Coated cable

- Ericson 5000 Series Reels are now available for grounding applications where longer cables are needed
- Ball stop included
- 4-roller guide adjustable cable guide
- Auto locking ratchet for constant tension
- 100 amp grounding clamp included
- Resistance not exceeding 2 Ohms

### **Selection Guide**

Cable Length	Description	Catalog Number
100 ft.	Single Cable with orange nylon jacket	SDR-100

Handles Static Charges Safely

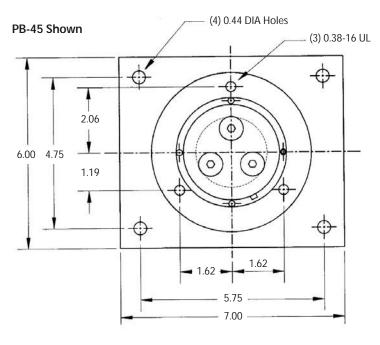
### **Refueling Grounding**



- Use our pivot base to customize your reel mounting for your specific application
- · All steel base
- Lifetime bearing (never needs lubrication)
- Swing can be restricted to 90°, 180°, and 270°
- Anodized clear finish



PB-45



## **Selection Guide**

Catalog Number	Reels
PB-45	4000-5000
PB-67	6000-7000

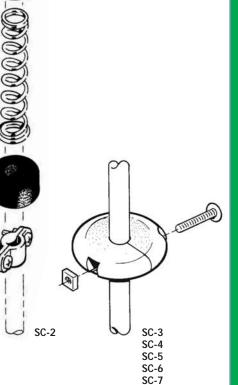
### **Ball Stops**

- · Also referred to as "cable stops", "bumper stops", or "hose stops"
- Generally used for manually operated lift and drag applications to govern retraction length. Stops are required when accessories such as handlamps and receptacle boxes are installed on cable reels
- Suitable for all Ericson Cable reels

### **Selection Guide**

Catalog Number	Description	
SC-1	For cable O.D. ranges 0.188" to 0.438"	
SC-2	For cable O.D. ranges 0.188" to 0.438' with shock absorbing spring bumper	
SC-3	For cable ranges 0.438" to 0.624"	
SC-4	For cable ranges 0.625" to 0.749"	
SC-5	.75″ to 1.05″	
SC-6	1.06″ to 1.38	
SC-7	1.39 to 1.55	







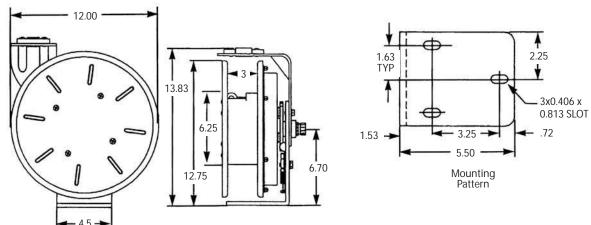


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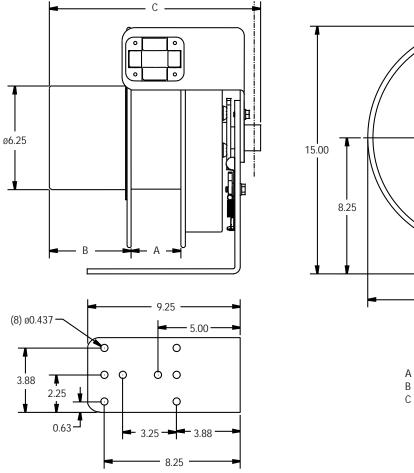
### Dimensions

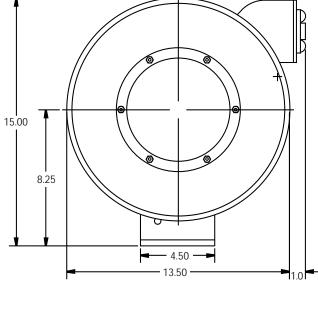
### 4000 Series

\* 21332 \*

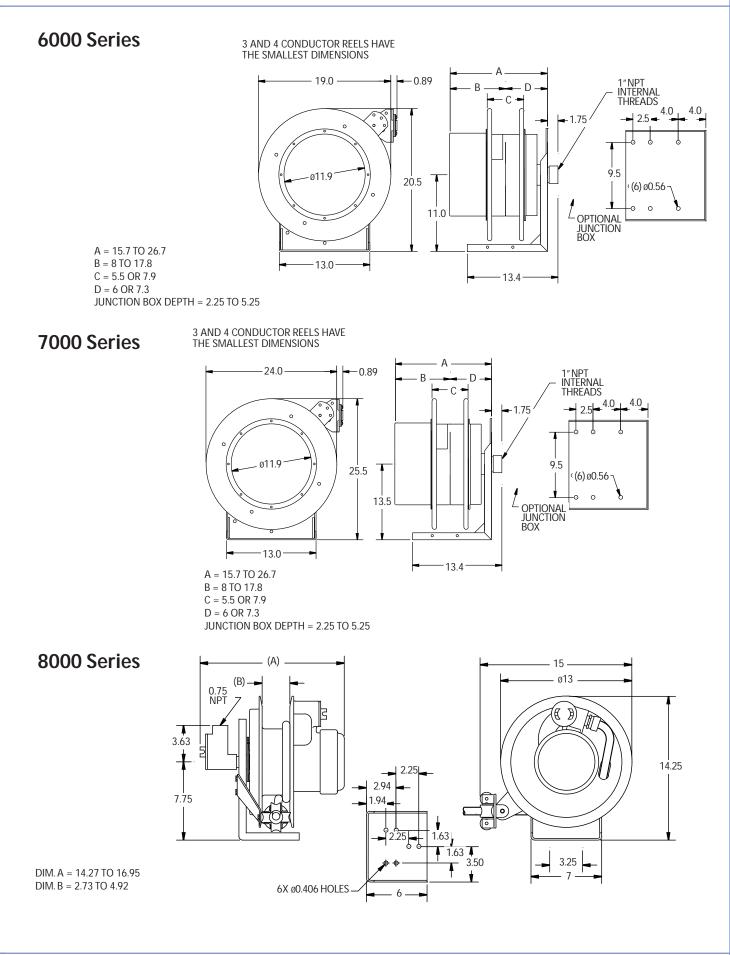


## 5000 Series





 $\begin{array}{l} A = 3"\,TO\,\,6"\\ B = 3.5"\,TO\,\,8.5"\\ C = 13"\,TO\,\,18" \end{array}$ 





### **Pendant Stations**



Investigate Ericson's reasonable prices on many quality products

## C & E (Ericson) Electrical Safety Products

 SAFETY NEOPRENE HANDLES
 ATTACHMENT PLUGS AND CORD CONNECTORS (NEOPRENE)

 NEOPRENE SOCKETS
 PORTABLE HAND LAMPS (STANDARD AND VAPOR-PROOF TYPES)

 LAMP GUARDS
 COMPLETE EXTENSION AND TEST CORDS, ETC.

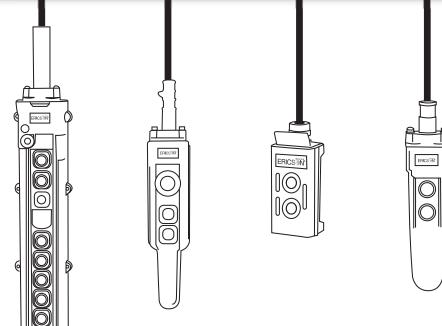
 MULTIPLE OUTLET CORDS
 CORD REELS

THE ERICSON MANUFACTURING COMPANY, Cleveland 12, Ohio

# **Original 1950's Advertisement**

# PUSH BUTTON PENDANT STYLE CONTROL STATIONS





24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)



\* PENDANT STATIONS \*

# Pendant Stations - What Are They Used For?



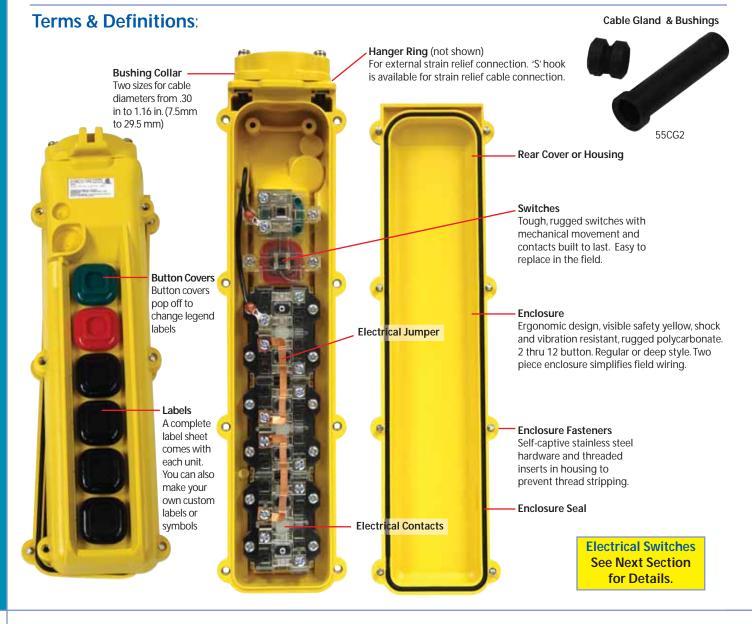
What is a Pendant Control Station? Pendant Stations or Pendant Controls are a series of simple switches that control much larger electrical loads through various means such as relays, Programmable Logic Controllers (PLCs) or other automation circuitry. These switches are housed in a special weather proof enclosure that attaches to and hangs from the electrical cable which the control signals flow back and forth. These simple switches are described in terms of motion and switching characteristics.

Ericson's Pendant Stations are typically used to control industrial cranes and hoists or the remote control of industrial machines. Pendant control stations are specifically designed for lifting and handling applications, they enable direct control of motors and can be used for direct motor switching.

- Cranes/Hoists
- Mixers/Grinders
- Automation Inputs
- PLC Inputs

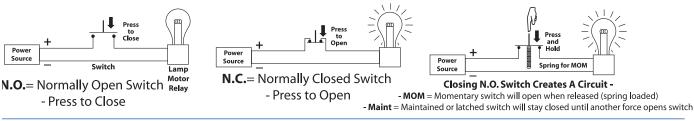
Food Processing

- Motor Control
- Pumps



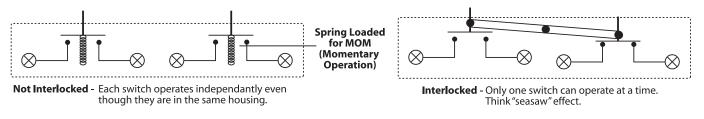
#### **Basic Switch Operations:**

The illustrations shown here demonstrate the difference between **Normally Open (N.O.)** and **Normally Closed (N.C.)** switch contacts. The term "normally" refers to the switch at rest or no physical influence. A closed contact set completes a circuit and an open contact set breaks the circuit. The last illustration shows the main difference between MOM (momentary) and MAINT (maintained). These terms describe the secondary action of the switch AFTER the human releases the button. A MOM switch will return to the original position when released, (think spring loaded), and a MAINT switch will remain changed when released until another action ( 2nd switch or actuator) releases it back to the original position (think latched).



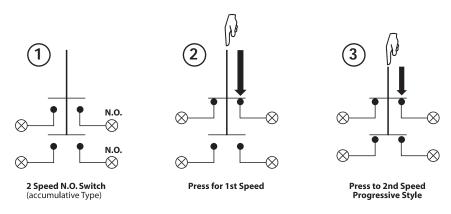
#### **Interlocking Switches**

Most switches are actually two buttons together in a single switch body. This illustration shows the definition of INTER-LOCKED (joined together) or NON-INTERLOCKED (independent operation). INTERLOCKED switches only allow one of the two switches to be used at a time. Like a playground seesaw, only one can be up or down. This prevents accidents and equipment damage. For example: a motor will not be allowed to turn CCW and CW at the same time or the overhead crane gantry can only move forward then reverse. These INTERLOCKED switches can be used in conjunction with other switches to close the cover on a food mixer before allowing the motor to spin the blades.



#### **Speed Selection Switches**

Some equipment can have more than one action or "speed". For example, a mixer can mix slow then faster during a process or a crane boom can move very slow and have a faster speed for rapid relocation. Speed switches are "add" type or progressive meaning the N.O. contacts add to each other as shown in this illustration. Pressing the button down to the first "click" closes the first set of N.O. contacts and then pressing further to the 2nd or 3rd click will then close the 2nd and 3rd set of N.O. contacts. 2 speed switches have 2 sets of N.O. contacts and 3 speed have 3 sets.



### **Ampacity Rating of Switches**

It is good installation practice to know the amp rating of the equipment you are trying to control and ensure that the switch selected meets or exceeds that rating. This is normally why a pendant control station is used with low voltage (relay or PLC) systems (such as 12, 24 or 48 volt) when controlling large amp or higher voltage circuits.



Note: Products shown on this page may not be listed.

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ENCOM



# 5502/5500-PG Series Compact Pistol Grip Pendant Station

Applications Include simple ON & OFF operations. Normally "opposite" operations are used with this type. Any operation can be performed as wired correctly. UP, Down, Left, Right, Start, Stop, MIX, POUR are all examples of opposite operations.

- Two button and two button with E-Stop
- Nema 3R rain rated
- Not food grade or hose down rated
- Not rated for hazardous location or refueling use
- Internal seals on buttons
- Button covers pop off to change legend labels
- Lightweight and economy priced simple switching
- 1 year limited warranty

# 5500 Series Single, Dual & Variable Speed Pendant Stations

The 5500 Series uses sets of two buttons to build ever increasing sized stations. From 2 button to 12 button pendants, this series is the work horse of the 5500 Series. The design is more rugged than the 5500-PG series with rubber button boots and housing seals. Rated for 3R "in-Use" rain rated, these pendants can be used outdoors with confidence. With a wide variety of switches and controls that can be installed, this series is the best of rugged design and economically priced pendants.

- Rubber booted buttons keeps out rain, dirt and debris
- Large choice of switches
- EZ to repair and replace switches
- Sealed housings with gasket and stainless steel fasteners
- Can be customized with indicators, lights and warning horn button
- Not rated for hazardous locations or refueling use
- Bright yellow enclosure ensures visible recognition
- Tough electrical contacts rated for thousands of operations
- Button cover legends are easy to change
- Each unit comes complete with:
- o Two cable glands for popular sized cables
- o Complete legend sheet with all popular operations
- o Electrical ring crimp terminals for wire connection to switches
  - 1 year limited warranty
  - UL listed

# 5700 Series Rubber Enclosure Pendant Stations

ERICS • NEMA 1, 3, 4 and 12

The Heavy Duty Sealed 5700 series Pendant Control stations feature steel reinforced rubber construction with tongue and groove rear cover to protect the contacts from many elements. The full rubberized construction adds to the rugged use and long life while sealing the inside terminations and contacts from the environment. Switches are individual (no interlocked dual switch sets) with a variety of single, dual and special contact speed sets. The metal hang plate attached to the cord grip (metal CGB style) is designed to hang the pendant from wire rope or coated cable. The legend labels for each button are placed in recessed areas next to each switch.

- Use for hose down areas
- Use for high splash areas
- · Can be used with some chemicals
- Rubberized sealed design
- Not for Hazardous locations
- UL listed and CSA approved
- 1 year limited warranty



# 5502 PG Series Compact Pistol Grip Pendant Station

Ericson's pistol grip pendant stations are ideal for controlling industrial cranes and hoists and for remote jog operation of industrial machines.

- Single speed 5A, 125V contact block
- Compact, lightweight, ergonomic design
   Internal and external strain relief
- Weighs only 10 ounces
- Less than 2" wide
- Made of high impact ABS resin
- High visibility safety yellow color
- Internal button seals

5502-PG

- NEMA TYPE 4 waterproof rating
- Variable diameter cable bushing with clamp accommodates a wide range of cable sizes
- Easy-to-push pressure switches
- 50 g shock resistance
- 5 A switch rating



ERICS:IN

# 5503 - Pistol Grip Style with E-Stop Features:

- · Compact design, ergonomically designed with operators comfort in mind.
- Available with 1, 2, or 3, speed buttons
- High impact ABS resin, safety yellow, NEMA 4 enclosure
- Multi-diameter cable busing inlet
- Equipped with interior and exterior anchor for either internal or external strain relief wire



55PG01 Replacement switch for 5500-PG only

5503-PG

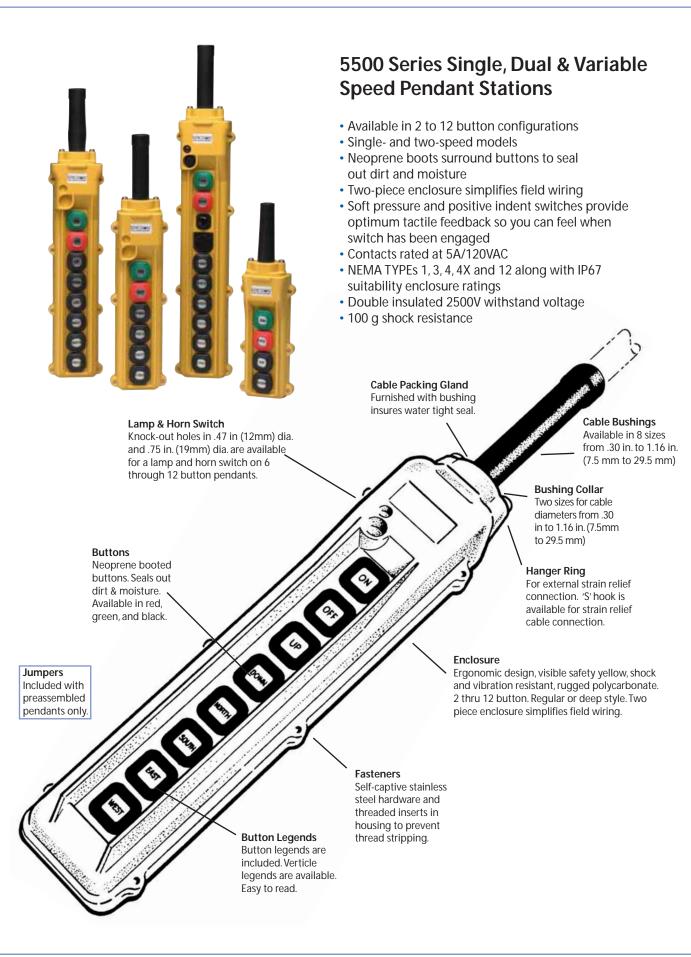
#### **General Specifications**

Standards	
Ambient Temperature	-15° C - +50°C
Enclosure	ABS Safety Yellow
Vibration Resistance	10g From 10-55 Hz
Shock Resistance	50g
Environmental Protection	NEMA Type 4
Mechanical Life	AC15 2A & 110V-500,000 Operations
Electrical Rating	General Purpose, 120V, 5A
Pilot Rating	UL Pilot Duty B150
Insulation Withstand	2500VAC/1 Min.
Contact Resistance	Less Than 100 Milli-OHM
Weight	10 oz.
Legends	Standard Up/Down. Others Available
Push Button Force	2 Lbs.

	Switch Positions				
Part #	1	2	3		
5502-PG	1 NO	1NO			
	mom	mom			
	Inte	rlocked			
Switch #	55	5PG01			
5503-PG	1 NC	1 NO	1NO		
	maint	mom	mom		
	e-stop button	Interlocked			
Switch #	55S26	55\$08			
5503-PG-2	1 NC	2 NO 2 SPD	2 NO		
	maint	mom	mom		
	e-stop button	Interlock	ed		
Switch #	55S26	55S15			
5503-PG-3	1 NC	1 NC + 3 NO 3 SPD	1 NC + 3NO		
	maint	mom	mom		
	e-stop button	Interlocked			
Switch #	55\$26	55\$17			



## 5500 Series - General Duty



		POSITIONS										
Part #	1	2	3	4	5	6	7	8	9	10	11	12
	1 NO	1 NO	This chart	shows the	e commor	n complete	e ready-					
.0	mom	mom	to-use 550	00 pendan	t stations	The swite	hos					
5502	Interlock	ed		•				12 m	1000		(International International I	
	55508		and their	actions (m	echanical	and electi	rical) are		THE .		* C	
	2 NO 25PD	2 NO	shown wi	th each bu	itton posit	tion. Use t	his chart	10.00			CA	P
2.2	mom	mom	to select f	ull pendar	nts. Use th	e custom	pendant					
5502-2	Interlock		nago for	building y		ondant	•		-		5	
	55S15							-	. 0	0		
	1 NO	1NO	1 NO	1NO	-					78.5		0
5504	mom	mom	mom	mom	-			AREA LOW OVER CO.	97			
550	Interlock			ocked	-			sand LEFT states and	00			
	55\$08		555		-				at			
	1 NO Start	Stop	1 NO+1NC	1 NO+1NC	-				, 🎉	3		
an-A	maint	mom	mom	mom					- <i>1</i>	2		
5504-A	Interlock	ed	Interle						8			
	55S01		555							0		0
	1 NC	blank	1 NO+1NC	1 NO+1NC								
5504-E	maint		mom	mom				Complete p	pendants	come wi	th all item	s shown
550"	e-stop button		Interle	ocked								
	55S26		555	\$05								
	1 NO Start	Stop	1 NO	1NO	1 NO	1NO						
ah	maint	mom	mom	mom	mom	mom						
5506	Interlock	ed	Interle	ocked	Interle	ocked						
	55S01		555	808	555	S08						
	1 NO Start	Stop	1 NO+1NC	1 NO+1NC	1 NO+1NC	1 NO+1NC						
-h-A	maint	mom	mom	mom	mom	mom						
5506-A	Interlock	ed	Interle			ocked						
	55S01		555			S05						
	1 NC	blank	1 NO+1NC	1 NO+1NC	1 NO+1NC	1 NO+1NC						
5506-E	maint		mom	mom	mom	mom						
5500	e-stop button		Interle	ocked	Interle	ocked						
	55S26		555	\$05	555	S05						
	1 NO Start	Stop	1 NO	1NO	1 NO	1NO	1 NO	1NO				
< 08	maint	mom	mom	mom	mom	mom	mom	mom				
5508	Interlock			ocked		ocked	Interlo					
	55S01			508		S08	555					
	1 NO Start	Stop		1 NO+1NC		1 NO+1NC						
5508-A	maint	mom	mom	mom	mom	mom	mom	mom				
5500	Interlock	ed	Interle			ocked	Interlo					
	55\$01	L. 1 1	555			S05	555					
	1 NC	blank		1 NO+1NC		1 NO+1NC						
550 <sup>8-E</sup>	maint		mom	mom	mom	mom	mom	mom				
550	e-stop button		Interle			ocked	Interlo					
	55S26	Ctore	555			\$05 1NO	1 NO					
	1 NO Start	Stop	1 NO	1NO mom	1 NO	1NO mom	1 NO	1NO mom				
5510	maint	mom	mom	mom	mom	mom	mom	mom				
	Interlocke 55S01	eu	Interle 555		Interl	SO8	Interlo 555		555	08		
	1 NO Start	Stop	1 NO	1NO	1 NO	1NO	1 NO	1NO	1 NO	1NO	1 NO	1 NO
	maint	mom	mom	mom	mom	mom	mom	mom	mom	mom	mom	mom
5512	Interlocke		Interle			ocked	Interlo		Interlo		Interlo	
	55S01	u	555			SO8	555		555		55S	
	00001			000		500	500	000		00	000	00



5500 - Switches



EMC Pn#	Buttons	Contact Config	Speed	Action	2 Button Interlock	Electrical Contact Schematic
55S01	2	1 NO / OFF	1	Maint	YES	
55S02	2	1 NC + 1 NO / OFF	1	Maint	YES	
55S03	2	1 NO / 1 NC	1	МОМ	NO	2 10 10 10 10 10 10 10 10 10 10 10 10 10
55S04	2	1 NO / 1 NO	1	МОМ	NO	<sup>20</sup> 10 50 60 10
55S05	2	1 NC + 1 NO / 1 NC + 1 NO	1	МОМ	NO	20 04 10 03 50 07 10C+100 60 08
55S06	2	2 NO / 2 NO	1	МОМ	YES	50 0 <sup>4</sup> 2NO 50 0 <sup>3</sup> 2NO 150 0 <sup>13</sup> 2NO
55S07	2	2 NC + 2 NO / 2 NC + 2 NO	1	MOM	YES	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
55S08	2	1 NO / 1 NO	1	МОМ	YES	20 10 10 10 10 10 10 10 10 10 10 10 10 10
55S09	2	1 NC + 1 NO / 1 NC + 1 NO	1	МОМ	YES	20 4 10 3 10 3 50 7 10 10C+1N0 10 50 7 10 10C+1N0
55S10	1	1 NC	1	МОМ		
55S11	1	1 NO	1	МОМ		50 50
55 <b>S</b> 12	1	1 NC + 1 NO	1	МОМ		





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5500 - Switches



EMC Pn#	Buttons	Contact Config	Speed	Action	2 Button Interlock	Electrical Contact Schematic
55\$13	1	2 NC	1	МОМ		2NC
55\$14	1	2 NO	1	МОМ		40 0 <sup>6</sup> 30 0 <sup>5</sup> 30 0 <sup>5</sup>
55\$15	2	2 NO 2 SPD / 2NO	2	МОМ	YES	
55\$16	2	2 NO + 2 NC 2 SPD / 2 NO + 2 NC	2	МОМ	YES	0000 000 0
55\$17	2	1NC + 3 NO 3 SPD / 1NC + 3 NO	3	МОМ	YES	
55\$18	SELECTOR	1 NC 2 POS		MAINT SELECT		3 4 (2-POS) 1NC
55\$19	SELECTOR	1 NO 2 POS		MAINT SELECT		10 02 (2-POS) 1NO
55\$20	SELECTOR	1 NO + 1 NC 2 POS		MAINT SELECT		10 02 30 4 (2-POS) 1NO 1NC
55\$21	SELECTOR	2 NO 2 POS		MAINT SELECT		10 02 30 04 (2-POS) 2NO
55\$22	SELECTOR	2 NC 3 POS CNTR OFF		MAINT SELECT		1 2 3 4 (3-POS) 2NC
55\$23	SELECTOR	2 NO 3 POS CNTR OFF		MAINT SELECT		10 02 30 04 (3.POS) 2NO
55\$24	SELECTOR	2 NC 2 POS		MAINT SELECT		10-2 30-4 (2-POS) 2NC





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## 5500 - Switches

EMC Pn#	Buttons	Contact Config	Speed	Action	Electrical Contact Schematic
55S25	SELECTOR	1 NO 1 NC 3 POS CNTR OFF		MAINT SELECT	10 02 3 4 (3-POS)
55\$26	e-STOP	1 NC		PUSH LOCK - Twist Release	3 1NC 4
55\$27	e-STOP	1 NO		PUSH LOCK - Twist Release	30 <sub>1N0</sub> 04
55\$28	e-STOP	1 NO + 1 NC		PUSH LOCK - Twist Release	10 2 30 04 1NO 1NC
55\$29	e-STOP	2 NC		PUSH LOCK - Twist Release	
55\$30	e-STOP	2 NO		PUSH LOCK - Twist Release	10 0 2 30 0 4
55\$31	VAR POT RES	1K OHMS		VARIABLE TURN	20 20 20
55\$32	VAR POT RES	2K OHMS		VARIABLE TURN	<sup>1</sup> <sup>2</sup> <sup>3</sup>
55\$33	BLANK	BLANK PLATE			

E-Stop



Variable Pot



**Blank Plate** 



55S33

# **5500 Electrical Jumpers**

<b>EMC CATALOG</b>	
P/N	DESCRIPTION
55J1	80-1 Small jumper for use with 34294 & 34295 - connects 1 to 5
55J2	80-2 Speed switch common jumper - used to connect commons between 1, 2, 3 spd and on/off switches
55J3	80-3 2 Speed jumper - used on 2 spd switches to connect 6 to 4 and 14 to 16
55J4	80-4 3 Speed jumper - used on 3 spd switches to connect term 18 of two adjacent
55J5	80-12 2 Speed common jumper - used to connect 5 to 15 on 2 spd switches







EMC CATALOG P/N	BUTTON SPACING	Description	GLAND BUSHING SIZE		
55EN02	2	2 BUTTON ENCLOSURE	Α	e o	
55EN04	4	4 BUTTON ENCLOSURE	Α		
55EN06	6	6 BUTTON ENCLOSURE	Α		
55EN06D	6	6 BUTTON DEEP BACK ENCLOSURE	Α	- Pr	
55EN06H	6	6 BUTTON LARGE HOLE ENCLOSURE	D		ł
55EN06HD	6	6 BUTTON LG HOLE & DEEP BACK ENCLOSURE	D		
55EN08	8	8 BUTTON ENCLOSURE	Α		
55EN08D	8	8 BUTTON DEEP BACK ENCLOSURE	Α		
55EN08H	8	8 BUTTON LARGE HOLE ENCLOSURE	D		
55EN08HD	8	8 BUTTON LG HOLE & DEEP BACK ENCLOSURE	D		
55EN10	10	10 BUTTON ENCLOSURE	Α		
55EN10D	10	10 BUTTON DEEP BACK ENCLOSURE	Α		
55EN10H	10	10 BUTTON LARGE HOLE ENCLOSURE	D		
55EN10HD	10	10 BUTTON LG HOLE & DEEP BACK ENCLOSURE	D		
55EN12	12	12 BUTTON ENCLOSURE	Α		
55EN12D	12	12 BUTTON DEEP BACK ENCLOSURE	Α		
55EN12H	12	12 BUTTON LARGE HOLE ENCLOSURE	D		
55EN12HD	12	12 BUTTON LG HOLE & DEEP BACK ENCLOSURE	D		

Notes on ordering enclosures for 5500 Series:

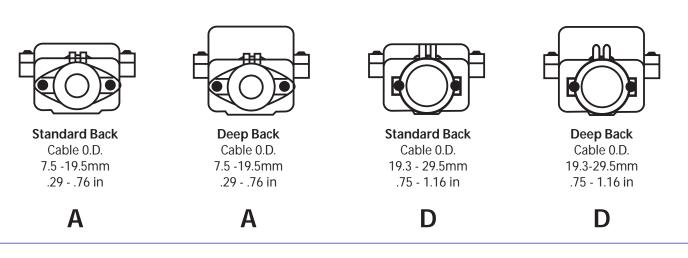
1. Deep Enclosures – use these for multi-wire cords (ie 12 or more conductors) with size over 20AWG.

2. Enclosures come complete with front and back covers, seal and capture screws.

3. Enclosures do not come with top strain relief assemblies – order separately.

4. These enclosures are for replacement only.

5. Pendant repair should be performed only by an authorized repair electrician or technician.



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# 5500 Glands & Bushing Kits

EMC CATALOG P/N	DESCRIPTION
55CG1	CABLE GLAND .3441*
55CG2	CABLE GLAND .4153*
55CG3	CABLE GLAND .5265*
55CG4	CABLE GLAND .6477*
55CG5	CABLE GLAND .7689**
55CG6	CABLE GLAND .88 - 1.0**
55CG7	CABLE GLAND 1.0 - 1.12**
55CG8	CABLE GLAND 1.11 - 1.16**

\*For use with type "A" enclosures

\*\*For use with type "D" enclosures

# 5500 Lights

<b>U</b>	
EMC CATALOG P/N	DESCRIPTION
	For small location 1
55LD1A	SM RED LED PILOT 12MM 110VAC
55LD2A	SM RED LED PILOT 12MM 220VAC
55LD1D	SM RED LED PILOT 12MM 12VDC
55LD2D	SM RED LED PILOT 12MM 24VDC
	For larger location 2 - not button location
55LN1A	SM RED NEON PILOT 19MM 110VAC
55LN2A	SM RED NEON PILOT 19MM 220VAC
55LN1D	SM RED NEON PILOT 19MM 12VDC
55LN2D	SM RED NEON PILOT 19MM 24VDC
	Button Location style*
55PL1A	LG RED LED PILOT 110VAC
55PL2A	LG RED LED PILOT 220VAC
55PL1D	LG RED LED PILOT 12VDC
55PL2D	LG RED LED PILOT 24VDC
	* fits in 1 button space only

# **5500 Legend Sheets**

sheet
Sheet*
_

\*Vertical sheet - not under button cover

# **Replacement Button Boots & Label Cover**





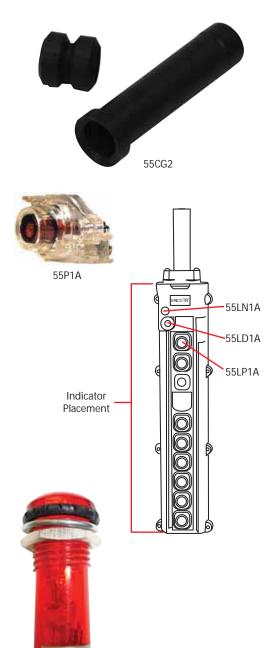
5500 black boots 55BB

5500 red boots 55RB





**Clear Button Label** Cover 55LC



55LN1A

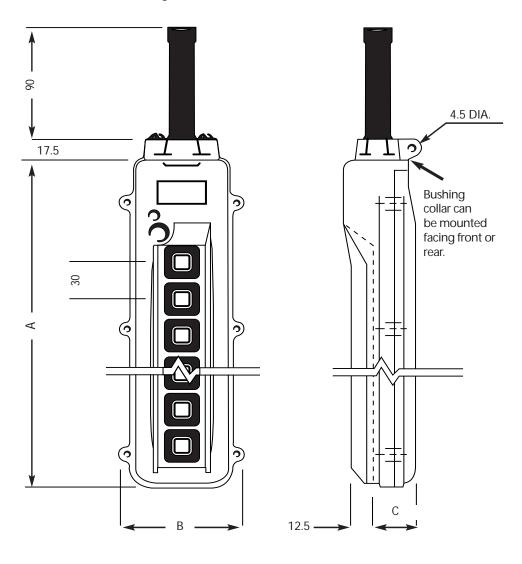




\* PENDANT STATIONS \*

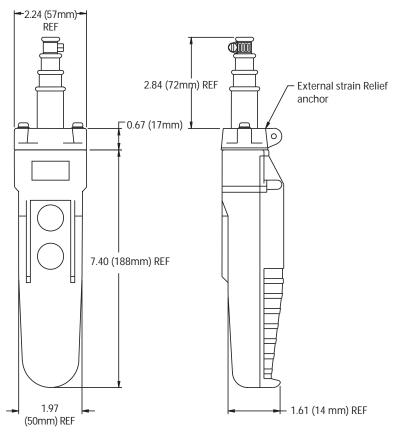
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# 5500 General Duty

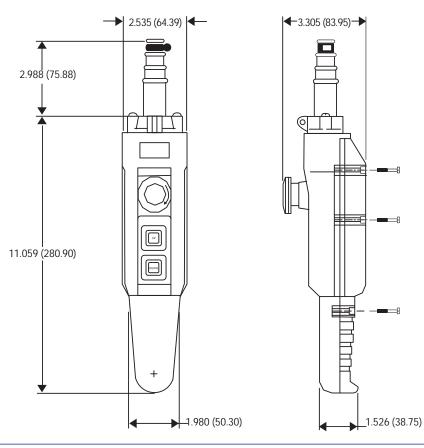


Number of Positions	A Dim.	B Dim.	C Dim.
2	4.49 in. (114 mm)	3.07 in. (78 mm)	1.46 in. (37 mm)
4	7.09 in. (180 mm)	3.07 in. (78 mm)	1.46 in. (37 mm)
6	10.31 in. (262 mm)	3.07 in. (82 mm)	1.48 in. (37.5 mm)
8	12.68 in. (322 mm)	3.23 in. (82 mm)	1.48 in. (37.5 mm)
10	15.24 in. (387 mm)	3.43 in. (87 mm)	1.48 in. (37.5 mm)
12	17.60 in. (447 mm)	3.43 in. (87 mm)	1.48 in. (37.5 mm)

# 5502 Pistol Grip



# 5503 Pistol Grip with Emergency Stop

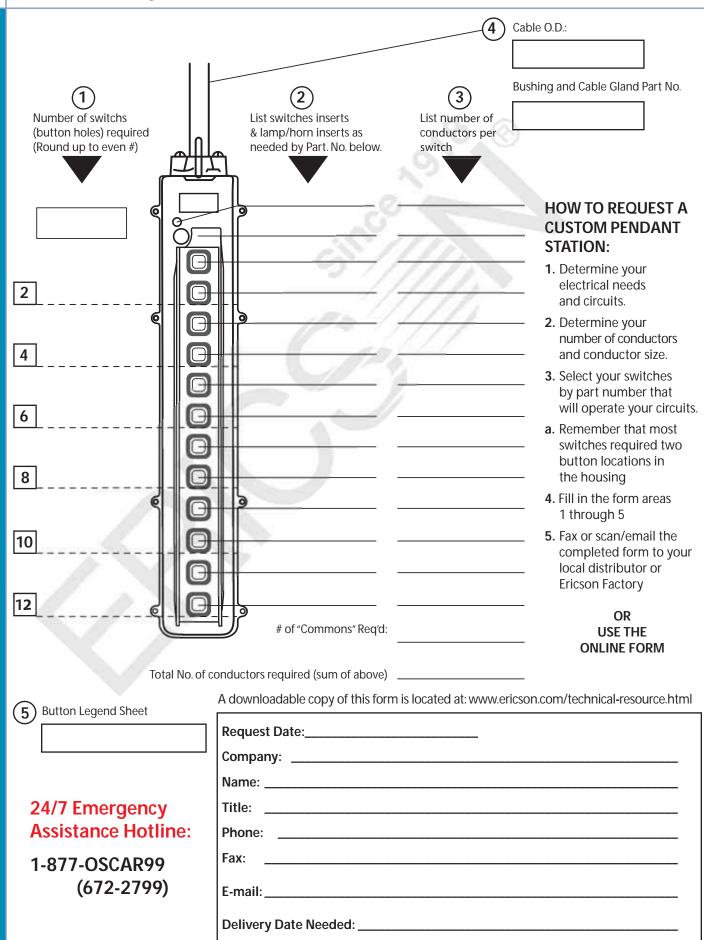


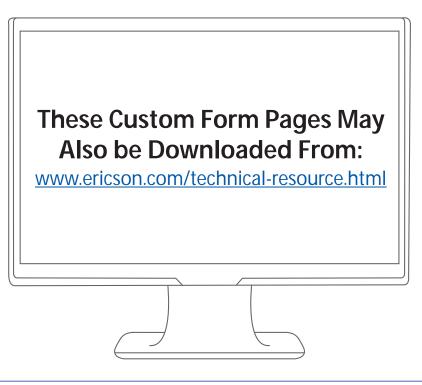


MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: <u>WWW.ERICSON.COM/AGENCY</u> Note: Products shown on this page may not be listed.

# Custom Ordering - 5500 Series

 $\star$  pendant stations  $\star$ 







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# Heavy Duty - 5700 Series



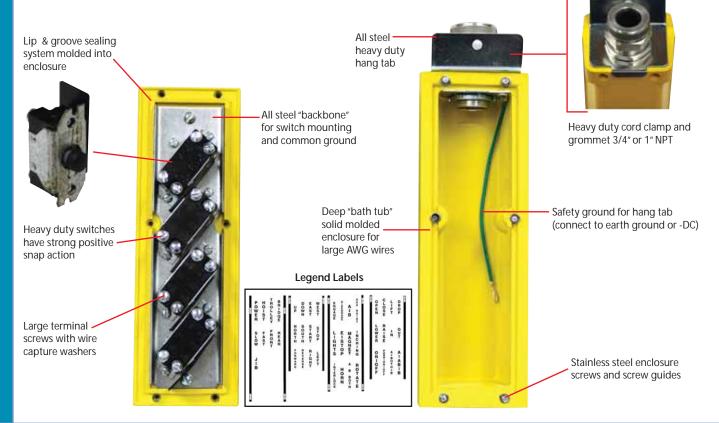
# 5700 Series Heavy Duty Rubber Enclosure Pendant Stations

- Available in 2 to 8 button configurations
- · Single- and two-speed models
- Built-in strain relief bracket
- Rubber enclosure covers buttons to prevent
   outside contaminants from entering enclosure
- Standard legend plates and cord grip included with each pendant station
- Two-piece enclosure simplifies field wiring
- Soft pressure and positive indent switches provide optimum tactile feedback wo you can feel when switch has been engaged
- Contacts rated at 10A/125VAC
- NEMA Types 1, 3, 4 & 12

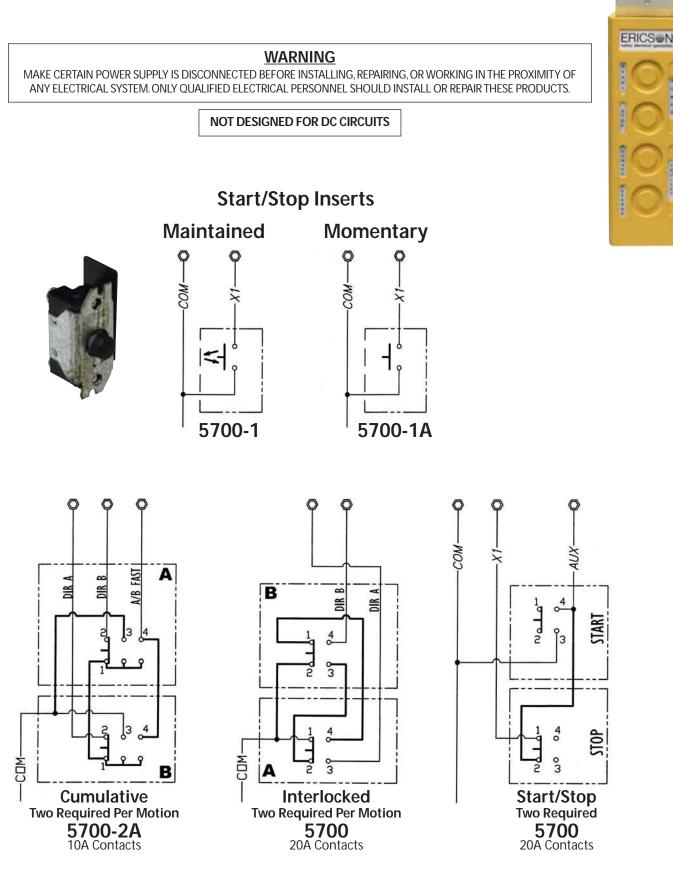
# 5700 Ready to Use Pendants

Item			Switch Contacts	Switch				Cable Cord
Number	DESCRIPTION	Buttons	(each switch)	Action	Speed	Replacement	Cable Dia	Clamp Size
5702	Pendant, 1 SPD, 2 Button, 2X5700	2	2 NO 2 NC	MOM	1	5700	.437740 in.	3/4 NPT
5702-2A	Pendant, 2 SPD, 2 Button, 2X5700-2A, CUML	2	1NC + 2 NO CUML	MOM	2 Spd Cuml	5700-2A	.437740 in.	3/4 NPT
5704	Pendant, 1 SPD, 4 Button, 4X5700	4	2 NO 2 NC	MOM	1	5700	.437740 in.	3/4 NPT
5704-2A	Pendant, 2 SPD, 4 Button, 4X5700-2A, CUML	4	1NC + 2 NO CUML	MOM	2 Spd Cuml	5700-2A	.437740 in.	3/4 NPT
5706	Pendant, 1 SPD, 6 Button, 6X5700	6	2 NO 2 NC	MOM	1	5700	.437740 in.	3/4 NPT
5706-2A	Pendant, 2 SPD, 6 Button, 6X5700-2A, CUML	6	1NC + 2 NO CUML	MOM	2 Spd Cuml	5700-2A	.437740 in.	3/4 NPT
5708	Pendant, 1 SPD, 8 Button, 8X5700	8	2 NO 2 NC	MOM	1	5700	.640875 in.	1" NPT
5708-2A	Pendant, 2 SPD, 8 Button, 8X5700-2A, CUML	8	1NC + 2 NO CUML	MOM	2 Spd Cuml	5700-2A	.640875 in.	1" NPT
Replacem	nent Switches							
5700	Switch, Replacement, 5700 Series, 2 NO 2 NC MOM	1	2 NO 2 NC	MOM	1			
5700-1	Switch, Replacement, 5700 Series, 1 NO MAINT ON/OFF	1	1 NO	MAINT	1			
5700-1A	Switch, Replacement, 5700 Series, 1 NO MOM	1	1 NO	MOM	1			
5700-2	Switch, Replacement, 5700 Series, 2 SPD Non-Cumulative*	1	1NC + 2 NO CUML	MOM	2			
5700-2A	Switch, Replacement, 5700 Series, 2 SPD Cumulative*	1	1NC + 2 NO CUML	MOM	2			

\* Note - Cumulative are MAKE + MAKE; Non-Cumulative are BREAK BEFORE 2ND MAKE



# Schematic & Operation Diagrams





MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: <u>WWW.ERICSON.COM/AGENCY</u> Note: Products shown on this page may not be listed.

## **Technical Reference**

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#### O Calle Trays

EVERNE Frequ. IC The PATHENEL Calify tray shall be permission to be used as a support system for services. Both shades based to prove the transmost states control density, and specialize research or transmost. It was therefore, and much permission to industry the solution of the transmost of the original and the transmost of the service state of the service of the service state of

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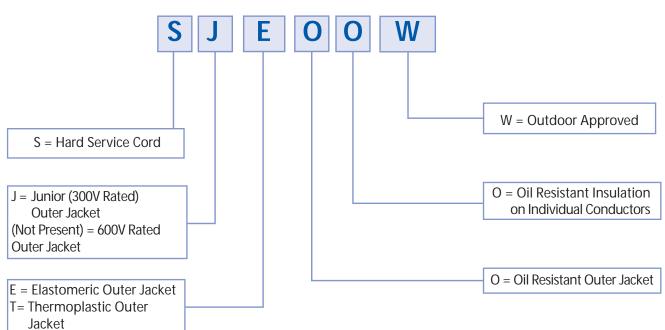
# In the following pages you will find useful electrical industry information

- Lamp Comparison Chart
- NEMA Type Designations
- IP Rating System
- Hazardous Locations
- Temperature Conversion
- Metric Conversion Chart
- Electrical Formulas
- Glossary of Terms
- Metal Gang Box Danger
- Industrial Wiring Device Innovations
- OSHA Product Match

24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)



# Portable Electrical Cord Reference



# Diameter Ranges of Portable Electrical Cord In Accordance with UL 62

Туре	AWG Size	2 Conductors	3 Conductors	4 Conductors
SJ,SJE, SJOO,	18	0.280-0.315	0.300-0.335	0.325-0.365
SJO, SJEO, SJT,	16	0.305-0.340	0.325-0.360	0.350-0.395
SJTO, SJTOO	14	0.335-0.375	0.360-0.395	0.390-0.435
	12	0.405-0.455	0.425-0.475	0.465-0.520
	10	0.540-0.605	0.565-0.635	0.625-0.700
S, SE, SOO, SO	18	0.340-0.385	0.360-0.400	0.385-0.430
SEO, ST, STOO,	16	0.365-0.410	0.385-0.430	0.410-0.460
STO	14	0.495-0.550	0.520-0.575	0.560-0.620
	12	0.565-0.625	0.590-0.655	0.640-0.710
	10	0.615-0.685	0.650-0.720	0.700-0.775
	8	0.780-0.880	0.830-0.930	0.925-1.050
	6	0.920-1.050	0.970-1.100	1.050-1.200
	4	1.060-1.210	1.130-1.280	1.250-1.450
	2	1.210-1.400	1.300-1.500	1.450-1.650

# Lamp Comparison Chart

This Chart shows typical light output (lumens) & expected life (hour) of commonly used incandescent & fluorescent bulbs.

WATTAGE	Туре	LUMENS	Average Life (Hours)	<b>CRI</b> <sup>(2)</sup>	Color <sup>(3)</sup> Temp (°K)
60	Incandescent A19	865	1000	100	2800
75	Incandescent A19	1190	750	100	2800
100	Incandescent A19	1710	750	100	2800
13	Compact Fluorescent T4/5 Twin or Quad Tube	825	10,000	82	4100
26	Compact Fluorescent T4/5 Twin or Quad Tube	1710	10,000	82	4100
17	Fluorescent T8	1325	20,000	86	4100
25	Fluorescent T8	2080	20,000	86	4100
32	Fluorescent T8	2950	20,000	86	4100
40	Fluorescent T8	3600	20,000	84	4100
18	F18BX Fluorescent 2G11 Base BIAX	1250	20,000	82	4100
27	F27BX Fluorescent 2 G11 Base BIAX	1800	12,000	82	4100
39	F39BX Fluorescent 2G11 Base BIAX	2850	12,000	82	4100
15	F15T8 CW Fluorescent	825	7,500	60	4100
30	F30T12 CW Fluorescent	2200	18,000	72	4100
40	F40T12 CW Fluorescent	3350	20,000	80	4100
70	HID High Pressure Sodium	6400	24,000 +	22	1900
150	HID High Pressure Sodium	16000	24,000 +	22	2000
70	HID Metal Halide	5600	12,000	70	3200
175	HID Metal Halide	13600	10,000	65	4000
400	HID Metal Halide	36000	20,000	65	4000

Notes:

1. All based on 120V 60Hz input

2. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the truer the color appears

3. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light

Color Te	emp (K)	
COOL	7000	Overcast Sky
	6000	
	5000	Noon Sunlight
	4000	Sunlight 1 Hr After Sunrise
	3000	Sumght i'm Arter Sumse
	WARM	
	2000	Sunlight At Sunrise



# Environmental ratings for enclosures based on "NEMA" Type designations

### "NEMA" Types From UL50 & UL508

Enclosure Type Designation	Intended Use and Description
1	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
2	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt and water.
3	Outdoor use primarily to provide a degree of protection against rain, sleet, wind blown dust and damage from external ice formation.
3R	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.
35	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and to provide for operation of external mechanisms when ice laden.
4	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed
4X	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.
5	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.
6	Indoor or outdoor use primarily to provide a degree of protection again hose-directed water, and the entry of water during occasional temporary submersion at a limited depth and damage from external ice formation.
6P	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth and damage from external ice formation.
7	Indoor use in locations classified as Class I, Division 1, Groups A, B, C or D hazardous locations as defined in the National Electric Code (NFPA 70) (Commonly referred to as explosion-proof).
8	Indoor or outdoor use in locations classified as Class I, Division 2, Groups A, B, C or D hazardous locations as defined in the National Electric Code (NFPA 70) (commonly referred to as oil immersed).
9	Indoor use in locations classified as Class II, Division 1, Groups E, F and G hazardous locations as defined in the National Electric Code (NFPA 70) (commonly referred to as dust-ignition proof).
10	Intended to meet the applicable requirements of the Mine Safety and Health Administration (MSHA).
12 and 12K	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
13	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorrosive coolant.

a.) ANSI/UL50, Enclosures for Electrical Equipment for Types 1, 2, 3, 3R, 3S, 4, 4X, 5, 6, 6P, 12, 12K and 13.

b.) ANSI/UL698, Industrial Control Equipment for Use in Hazardous (Classified) Locations and other related standards for Types 7,8 and 9.

c.) ANSI/NEMA250, Enclosures for Electrical Equipment (1000 Volts Maximum) for Types 1, 2, 3, 3R, 3S, 4, 4X, 5, 6, 6P, 7, 8, 9, 12, 12K and 13.

# Comparison of "NEMA" Type and "IP" Code designations Conversion of "NEMA" Type to "IP" Code designations\*

Type Number	IP Designation
1	IP10
2	IP11
3	IP54
3R	IP54
3S	IP54
4 and 4X	IP56
5	IP52
6 and 6P	IP67
12 and 12K	IP52
13	IP54

\*Table cannot be used to convert "IP" Codes to "NEMA" Types. See NEMA 250 for additional details.

# TABLE 1 - CHARACTERISTICS DEFINED BY THE IEC Per Standard 60529

			Second Digit - Protection against the penetration of liquids								
			IP_0	IP_1	IP_2	IP_3	IP_4	IP_5	IP_6	IP_7	IP_8
				<b>E</b>			Ó		¥.		
			Non protected	Protection against vertical falling of water drops	Protection against falling of water drops at an angle up to 15° from the vertical	Protection against spraying water (rain) at an angle up to 60° from the vertical	Protection against splashing water from any direction (360°)	Protection against water jets from any direction (360°)	Protection against heavy seas (waves)	Protection against effects of immersion in water under defined conditions of pressure and time	Protection against continuous submersion in water
	First Digit - Protection against persons - touching and ingress of solid foreign objects			۵		۵	•	۵		۵	
IP 0_		Without protection	IP 00								
IP 1_	0-150 mag	Protection against touching with the hand and solid objects greater than 50mm dia.	IP 10	IP 11	IP 12						
IP 2_		Protection against touching with the finger and solid objects greater than 12mm dia.	IP 20	IP 21	IP 22	IP 23					
IP 3_		Protection against touching with tools, wires, etc. more than 2.5mm thick and solid objects greater than 2.5mm dia.	IP 30	IP 31	IP 32	IP 33	IP 34				
IP 4_	( <b>)</b>	Protection against touching with tools, wires, etc. more than 1mm thick and solid objects greater than 1mm dia.	IP 40	IP 41	IP 42	IP 43	IP 44				
IP 5_		Unlimited protection against contact with live parts and damaging deposits of dust	IP 50				IP 54	IP 55			
IP 6_	$\bigcirc$	Unlimited protection against contact with live parts and any penetration of dust	IP 60					IP 65	IP 66	IP 67	IP 68

In some countries a third digit (for mechanical security) is added.





# Flammable Gases, Vapor or Liquids **Class | Area Classifications**

#### Division 1:

Where ignitable concentrations of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operating conditions.

### **Division 2:**

Where ignitable concentrations of flammable gases, vapors or liquids are not likely under normal operating conditions.

# **Class I Groups**

Division 1 and 2

- A (acetylene)
- B (hydrogen) C (ethylene)
- D (propane)

### Zone 0:

Where ignitable concentrations of flammable gases, vapors or liquids are present continuously or for long periods of time under normal operating conditions.

### Zone 1:

Where ignitable concentrations of flammable gases, vapors or liquids are likely to exist under normal operating conditions.

### Zone 2:

Where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions.

Zone 0, 1 and 2
IIC (acetylene & hydrogen)
IIB (ethylene)
IIA (propane)

# **Class I Temperature Codes**

Zone 0,1 and 2
T1 ( <u>&lt;</u> 450°C)
T2 (< 300°C)
T3 ( <u>&lt;</u> 200°C)
T4 ( <u>&lt;</u> 135°C)
T5 ( <u>&lt;</u> 100°C)
T6 ( <u>&lt;</u> 85°C)

Hazardous location information provided courtesy of UL copyright<sup>©</sup> 1999 Underwriters Laboratories, Inc.

# **Class II Hazardous Locations**

# **Combustible Dusts Class II Area Classifications**

### Division 1:

Where ignitable concentrations of combustible dusts can exist all of the time or some of the time under normal operating conditions.

### **Division 2**:

Where ignitable concentrations of combustible dusts are not likely to exist under normal operating conditions.

# **Class II Groups**

Division 1 and 2 E (metals--- Div. 1 only) F (coal) G (grain)

# **Class II Temperature Codes**

**Division 1 and 2** T1 (< 450°C) T2 (< 300°C) T2A, T2B, T2C, T2D (< 280°C, ≤ 260°C, ≤ 230°C, ≤ 215°C) T3 (< 200°C) T3A, T3B, T3C  $(\leq 180^{\circ}C, \leq 165^{\circ}C, \leq 160^{\circ}C)$ T4 (< 135°C) T4A (≤ 120°C) T5 (< 100°C) T6 (< 85°C)

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# **Class III Hazardous Locations**

# Ignitable Fibers & Flyings Class III Area Classifications

#### **Division 1**:

Where easily ignitable fibers or materials producing combustible flyings are handled, manufactured or used.

#### Division 2:

Where easily ignitable fibers are stored or handled.

# Class III Groups

Division 1 and 2 None

# **Hazardous Locations Markings**

Class I, II & III Division 1 & 2 (U.S. & Canada) - This marking would include: Class(es), Division(s), Gas/Dust Group(s), Temperature Code Example: Class I, Division I, Group C & D, T4A

**Class III Temperature Codes** 

Note: Article 503 of the NEC limits the maximum temperature for Class III equipment to 165°C for equipment

not subject to overloading and to

120°C for equipment that maybe

Division 1 and 2

None

overloaded.

Class I, Zone O, 1 & 2 (U.S. & Canada) - This marking would include: Method A: For Zone Listings based on UL 2279 or the CSA-E79 Series Class, Zone(s), Ex, Protection Method(s), Gas Group, Temperature Code Example: Class I, Zone 1, Ex de IIB, T4

Method B: For Zone Listings based on UL or CSA Division Certification Documents Class, Zone(s), Gas Group, Temperature Code Example: Class I, Zone 1, Group IIB, T4

Note: For U.S. Zone Listings based on UL 2279, Article 505 of the 1999 NEC requires that the "Ex" element of the marking string shall read "AEx."

Note: For Canadian Zone listings based on the CSA-E79 Series, the "Class" and "Zone" elements of the marking string are optional.

# Zone 0, 1 & 2 (IEC only) - This marking would include;

EEx, Protection Method(s), Gas Group, Temperature Code Example: Ex de IIB T4

#### Zone 0, 1 & 2 (Europe only) - This marking would include: EEx, Protection Method(s), Gas Group, Temperature Code Example: EEx de IIB T4

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# **Temperature Conversion Chart**

- 1. Locate known temperature in °C/°F column
- 2. Read converted temperature in °C or °F column

Example: To convert 75 F to Celsius... Locate 75 in °C/°F column Read converted temperature in C Column, 23.9 C

°C	°C/°F	°F	°C	°C/°F	°F	°C	°C/°F	°F
-40.0	-40	-40	40.6	105	221	123.9	255	491
-37.2	-35	-31	43.3	110	230	126.7	260	500
-34.4	-30	-22	46.1	115	239	129.4	265	509
-31.7	-25	-13	48.9	120	248	132.2	270	518
-28.9	-20	-4	51.7	125	257	135.0	275	527
-26.1	-15	5	54.4	130	266	137.8	280	536
-23.3	-10	14	57.2	135	275	140.6	285	545
-20.6	-5	23	60.0	140	284	143.3	290	554
-17.8	0	32	62.8	145	293	146.1	295	563
-15.0	5	41	65.6	150	302	148.9	300	572
-12.2	10	50	68.3	155	311	151.7	305	581
-9.4	15	59	71.1	160	320	154.4	310	590
-6.7	20	68	76.7	170	338	157.2	315	599
-3.9	25	77	79.4	175	347	160.0	320	608
-1.1	30	86	82.2	180	356	162.8	325	617
1.7	35	95	85.0	185	365	165.6	330	626
4.4	40	104	87.8	190	374	168.3	335	635
7.2	45	113	90.6	195	383	171.1	340	644
10.0	50	122	93.3	200	392	173.9	345	653
12.8	55	131	96.1	205	401	176.7	350	662
15.6	60	140	98.9	210	410	179.4	355	671
18.3	65	149	101.7	215	419	182.2	360	680
21.1	70	158	104.4	220	428	185.0	365	689
23.9	75	167	107.2	225	437	187.8	370	698
26.7	80	176	110.0	230	446	190.6	375	707
29.4	85	185	112.8	235	455	193.3	380	716
32.2	90	194	115.6	240	464	196.1	385	725
35.0	95	203	118.3	245	473	198.9	390	734
37.8	100	212	121.1	250	482	201.7	395	743

# **Temperature Conversion Formulas** °F = (9/5 x °C) + 32

°C = 5/9 (°F - 32)



# **Metric Conversion Chart**

(Fraction Inch to Decimal Inch and Millimeters)

Fraction (In.)	Three Place Decimal (In.)	Three Place Decimal (mm)	Fraction (In.)	Three Place Decimal (In.)	Three Pl Decimal (mm)
1/64	0.016	0.397	33/64	.516	13.097
1/32	.031	.794	17/32	.531	13.494
3/64	.047	1.191	35/64	.547	13.891
1/16	.062	1.588	9/16	.562	14.288
5/64	.078	1.934	37/64	.578	14.684
3/32	.094	2.381	19/32	.594	15.081
7/64	.100	2.778	39/64	.609	15.478
1/8	.125	3.175	5/8	.625	15.875
9/64	.141	3.572	41/64	.641	16.272
5/32	.156	3.969	21/32	.656	16.669
11/64	.172	4.366	43/64	.672	17.066
3/16	.188	4.763	11/16	.688	17.463
13/64	.203	5.159	45/64	.703	17.859
7/32	.219	5.556	23/32	.719	18.256
15/64	.234	5.953	47/64	.734	18.653
1/4	.250	6.350	3/4	.750	19.050
17/64	.266	6.747	49/64	.766	19.447
9/32	.281	7.144	25/32	.781	19.844
19/64	.297	7.541	51/64	.797	20.241
5/16	.312	7.938	13/16	.812	20.638
21/64	.328	8.334	53/64	.828	21.034
11/32	.344	8.731	27/32	.844	21.431
23/64	.359	9.128	55/64	.859	21.828
3/8	.375	9.525	7/8	.875	22.225
25/64	.391	9.922	57/64	.891	22.622
13/32	.406	10.319	29/32	.906	23.019
27/64	.422	10.716	59/64	.922	23.416
7/16	.438	11.113	15/16	.938	23.813
29/64	.453	11.509	61/64	953	24.209
15/32	.469	11.906	31/32	.969	24.606
31/64	.484	12.303	63/64	.984	25.003
1/2	.500	12.700	1	1.000	25.400

Three Place

# **Metric Conversion Formulas**

To Obtain	Multiply
Millimeters	Inches x 25.4
Inches	Millimeters x 0.0394
Meter	Feet x .3048
Feet	Meters x 3.281
Square Centimeters	Square Inches x 6.45
Square Inches	Square Centimeters x 0.155
Kilograms	Pounds x 0.4536
Pounds	Killograms x 2.205

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## **OHMS Law**

Ohms =	Volts	Amperes=	Volts	<i>Volts</i> = Amperes x Ohms
	Amperes	_	Ohms	

### **Power**

Watts = Amperes x Volts or Amps x Amps x ohms, or Volts x Volts ohms

Amperes = Watts Volts

HP = Volts x Amps x Efficiency

746

Watts Power Factor = Amperes x Volts

3-phase	746 x HP (Horsepower)		
Amperes =	1.732 x Volts x Efficiency x Power Factor		
Single-phase	Volts x Amperes x Power Factor		
Kilowatts =	1000		
Single-phase	746 x HP (Horsepower)		
Amperes =	Volts x Efficiency x Power Factor		

# Approximate Voltage Drop for Various **Extension Cord Gauges, Lengths, and Amps**

Cord	Current flowing through cord				
Length, feet	10A	15A	20A	30A	
	Cord S	ize = #16 gaug	le wire		
10	1.0 V (0.8%)				
20	2.0 V (1.7%)				
30	2.9 V (2.4%)				
40	3.9 V (3.3%)				
50	4.9 V (4.1%)				
100	9.8 V (8.2%)				
	Cord S	ize = #14 gaug	e wire		
10	0.6 V (0.5%)	0.9 V (0.8%)			
20	1.2 V (1.0%)	1.8 V (1.5%)			
30	1.8 V (1.5%)	2.7 V (2.3%)			
40	2.4 V (2.0%)	3.6 V (3.0%)			
50	3.0 V (2.5%)	4.6 V (3.8%)			
100	6.1 V (5.1%)	9.1 V (7.6%)			
	Cord S	ize = #12 gaug	je wire		
10	0.4 V (0.3%)	0.6 V (0.5%)	0.8 V (1.7%)		
20	0.8 V (0.7%)	1.1 V (0.9%)	1.5 V (1.3%)		
30	1.1 V (0.9%)	1.7 V (1.4%)	2.3 V (1.9%)		
40	1.5 V (1.3%)	2.3 V (1.9%)	3.1 V (2.6%)		
50	1.9 V (1.6%)	2.9 V (2.4%)	3.8 V (3.2%)		
100	3.8 V (3.2%)	5.7 V (4.8%)	7.7 V (6.4%)		
		ize = #10 gaug		-	
10	0.2 V (0.2%)	0.4 V (0.3%)	0.5 V (0.4%)	0.7 V (0.6%)	
20	0.5 V (0.4%)	0.7 V (0.6%)	1.0 V (0.8%)	1.4 V (1.2%)	
30	0.7 V (0.6%)	1.1 V (0.9%)	1.4 V (1.2%)	2.2 V (1.8%)	
40	1.0 V (0.8%)	1.4 V (1.2%)	1.9 V (1.6%)	2.9 V (2.4%)	
50	1.2 V (1.0%)	1.8 V (1.5%)	2.4 V (2.0%)	3.6 V (3.0%)	
100	2.4 V (2.0%)	3.6 V (3.0%)	4.8 V (4.0%)	7.2 V (6.0%)	

1: Numbers are rounded to the nearest 0.1V and 0.1%.

- 2: Voltage drops shown are the same for any single-phase supply voltage. Voltage drop depends only on amps.
- 3: Values are approximate, as they are affected by factors such as temperature.

4: For a given cord size and amps, voltage drop is uniform over a length of cord, so for example, a 40 ft cord has twice the voltage drop as a 20 ft cord. That means the numbers in the voltage drop columns can be added together. For example, the voltage drop for a 70 ft cord can be found by adding together the voltage drops for a 30 ft cord and a 40 ft cord.



MANY ERICSON PRODUCTS ARE LISTED OR CERTIFIED. FOR THE LATEST FULL SEARCHABLE LISTING BY PART NUMBER, GO TO: WWW.ERICSON.COM/AGENCY Note: Products shown on this page may not be listed.

# **Glossary of Terms**

AC (Alternating Current) - An electrical current that reverses direction in a circuit at regular intervals, such as normal household current.

Adapter - Device that adapts one form or size of connection to another.

**ALCI** - Appliance Leakage Current Interrupter. An ALCI is a device intended to be used in conjunction with an electrical appliance whose function is to interrupt both conductors of the electric circuit to a load when a fault current to ground exceeds 4-6 mA and is less than that required to operate the overcurrent protection device of the circuit. The ALCI is intended to be used only in a circuit that has a solidly grounded neutral conductor, and is required. ALCIs are considered "personal protection" devices and contain the following features: a) Can function either line polarity, and b) Other features may or may not be provided.

Ambient Temperature - The temperature of a medium (gas or liquid) surrounding an object.

**Ampacity** - The current in amperes that a conductor can carry continuously under the conditions of use without exceeding its temperature rating.

Ampere - The unit of current. One ampere is the current flowing through one ohm of resistance at one volt potential.

Attachment Plug - Male contact device for the readily detachable connection of a flexible cord or cable to receptacles, connectors, flanged equipment power outlets, etc.

Auto Reset - GFCI that powers-up automatically upon plug-in and after power loss. User must press the reset button in the event of a ground fault to restore power.

AWG - American Wire Gauge. A relative system for the designation of wire diameter.

**Braid** - A fibrous or metallic group of filaments interwoven in cylindrical form to form a covering over one or more wires. Typically used to add mechanical strength & abrasion resistance to flexible cord.

**Circuit (Electric)** - The complete path of an electrical current. When the continuity is broken, it is called an open circuit; when continuity is maintained, it is called a closed circuit.

Collector Ring - A collector ring is an assembly of slip rings for transferring electrical energy from a stationary to a rotating member.

Conductor - An uninsulated wire suitable for carrying electrical current.

**Confined Space** <sup>(1)</sup> - OSHA defines a confined space as an area that: (1) is large enough and so configured that an employee can bodily enter and perform assigned work; and (2) has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of entry); and (3) is not designed for continuous employee occupancy<sup>1</sup>.

**Contacts** - The parts of the connector that actually carry the electrical current, and are touched together or separated to control the flow.

**Continuity Check** - A test to determine whether electrical current flows continuously throughout the length of a single wire or individual wires in a cable.

Cord - A flexible insulated cable.

**Cord Connector** - Female contact device used in making a detachable connection to an attachment plug or a flanged equipment power inlet.

**Cord Grip** - Means by which the flexible cord entering a device is gripped in order to relieve stress on the terminals from tension applied to the cord.

**CSA** - Canadian Standards Association. This is a nonprofit, independent organization that operates a listing service for electronic materials and equipment. The Canadian counterpart of the Underwriters Laboratories.

**Current Carrying Capacity -** The maximum current an insulated conductor can safely carry without exceeding its insulation and jacket temperature limitations.

<sup>1.</sup> Source OSHA web site www.osha.gov

DC (Direct Current) - An electric current that flows only in one direction through a circuit, such as battery power.

Damp location - Partially protected locations under canopies, marguees, roofed open porches, and like locations, and interior locations subject to moderate degrees of moisture, such as some basements.

Dead Front - Without live parts exposed to a person on the operating side of the equipment.

Dielectric Strength - The voltage that an insulation can withstand before breakdown occurs. Usually expressed as a voltage gradient (such as volts per mil).

Dry Location - A location not normally subject to dampness or wetness. A location classified as dry may be temporarily subject to dampness or wetness, as in the case of a building under construction.

**Dustproof** - So constructed or protected that dust will not interfere with its successful operation.

**EMI** - Abbreviation for electromagnetic interference.

Elastomer - Macromolecular material that at room temperature returns rapidly to approximately it's initial dimensions and shape after substantial deformation by a weak stress and release of that stress.

ELCI - Equipment Leakage Current Interrupter. The ELCI is a device intended to provide leakage current protection in appliances and utilization equipment whose function is to interrupt all ungrounded conductors of the supply circuit to electrical equipment in the event a current, in excess of the trip current, occurs between live parts and the grounded enclosure of other grounded parts. An ELCI is not intended to be used in place of a GFCI, ALCI, or IDCI and may have any trip current value greater that 6 mA. The use of an ELCI is not intended to replace or supersede the overcurrent protection requirements concerning trip current and time. ELCIs are considered "equipment protection" devices, not personal protection devices.

Flame Resistance - The ability of a material not to propagate flame once the heat source is removed.

Gauge - A term used to denote the physical size of a wire. See AWG.

GFCI - Ground Fault Circuit Interrupter, also known as a GFI. A device intended for the protection of personnel as well as equipment. It de-energizes a circuit within an established period of time (25 ms) when a current to ground exceeds some predetermined value (4-6 mA, for a Class A GFCI) that is less than that required to operate the overcurrent protective device of the supply circuit.

GFCI - (Class A) - Denotes a ground fault circuit interrupter that will trip when a fault current to ground is 6 mA or more.

Ground - An electrical term meaning to connect to the earth or other large conducting body to serve as an earth, thus making a complete electrical circuit.

Ground Fault - An unintentional electrical path between a part operating normally at some potential to ground, and ground.

Grounded Neutral - GFCI will automatically trip if the neutral conductor is grounded on the load side of the device (after sensor). If the load side neutral is shorted to ground and also a ground fault occurred simultaneously, some of the fault current would flow through the neutral wire to the sensor and some would flow through the inadvertent ground path. If such a ground connection occurred, it would be possible for a person to contact a hot wire and ground, having the ground fault current flow through the inadvertent neutral ground and the neutral to the service entrance. Under this condition, there may not be enough imbalance in current through the sensor to cause the GFCI to trip.

Hospital Grade - A device constructed to meet performance requirements of high abuse areas found in hospital locations, tested to "Hospital Grade" requirements of Underwriters' Laboratories Standard UL 498.

Incandescent - Method for producing light by heating a thin filament.

Manual Reset - GFCI that requires the user to press the reset button upon plug-in, after power loss to prevent accidental equipment start-up and in the event of a ground fault to restore power.



# **Glossary of Terms**

Motor - Circuit Switch - A switch, rated in horsepower, capable of interrupting the maximum operating overload current of a motor of the same horsepower rating as the switch at the rated voltage.

NEMA - National Electrical Manufacturers Association.

**NEMA 4X** - An enclosure rating per UL50 and UL508 indicating that the product is intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.

NFPA - National Fire Protection Association.

Nuisance Trip - Tripping caused by conditions other than those for which the device is intended to respond.

**Open Neutral Protection** - GFCI will automatically trip when the neutral connection is lost. When the neutral connection is open, this creates an unsafe condition where the available current has lost its normal flow path, thus increasing the potential for the current to flow elsewhere.

**OSHA** - Occupational Safety and Health Act. Specifically the Williams-Steiger Law passed in 1970 covering all factors relating to safety in places of employment.

**Overcurrent -** Any current in excess of the rated current of equipment or the ampacity of a conductor. It may result from overload (see definition), short circuit, or ground fault. A current in excess of rating may be accommodated by certain equipment and conductors for a given set of conditions. Hence the rules for overcurrent protection are specific for particular situations.

**Overload** - Operation of equipment in excess of normal, full load rating, or of a conductor in excess of rated ampacity which, when it persists for a sufficient length of time, would cause damage or dangerous overheating. A fault, such as a short circuit or ground fault, is not an overload (See "Overcurrent").

Primary - The line (Power source) side of a device.

PVC - Polyvinyl Chloride. Compound used in thermoplastic (SJTW - STW) cords.

**Rated Voltage -** The maximum voltage at which an electrical component can operate for extended periods without undue degradation or safety hazard.

**RFI -** Abbreviation for radio frequency interference. **Reverse Polarity** - Condition where the Hot and Neutral connections are switched. **Secondary** - The load (equipment) side of a device.

SEOW - Extra Hard Service cord. 600v, oil resistant thermoplastic elastomer outer jacket. Weather resistant for outdoor use.

SJEOW - Junior hard service cord. 300v, oil resistant thermoplastic elastomer outer jacket. Weather resistant for outdoor use.

SJTW - Hard Service cord. 300v thermoplastic outer jacket. Weather resistant for outdoor use.

SOW - Hard service cord. 600v rubber outer jacket. Weather resistant for outdoor use.

SPT-1 - Thermoplastic constructed, parallel jacketed. 300 volt 2 or 3 conductor, 18 gauge.

SPT-2 - Same as SPT-1 but heavier construction. 18-16 gauge.

SPT-3 - Same as SPT-2 but heavier construction. 18-10 gauge.

STW - Extra Hard Service cord. 600v thermoplastic outer jacket. Weather resistant for outdoor use.

SVT - Vacuum cleaner service cord. All plastic construction, 2 or 3 conductors.

Thermoplastic - A material that softens when heated and becomes firm on cooling.

Thermoset - A material that hardens or sets when heat is applied and that, once set, cannot be resoftened by heating. The application of heat is called "curing".

TPE - Abbreviation for thermoplastic elastomer. A compound used in Portable/flexible cords (SEOW, SJEOW).

Trip - Denotes automatic interruption by the GFCI of the electrical circuit to load.

Trip Time - The elapsed interval between the time when the ground fault current is first applied and the time when the circuit is interrupted.

UL - Abbreviation for Underwriters Laboratories, a non-profit independent organization that operates a listing service for electrical and electronic materials and equipment.

UL Listed - Indicates an item has been tested and approved to the safety standards established by Underwriters' Laboratories.

UL Recognized - Refers to products that have been tested and approved to the safety standards established by Underwriters' Laboratories & are typically used as components of a final assembly.

VRMS - Voltage (root mean square).

Voltage - The term most often used in place of electromotive force, potential, potential difference, or voltage drop to designate the electrical pressure that exists between two points and is capable of producing a current when a closed circuit is connected between two points.

Weatherproof - So constructed or protected that exposure to the weather will not interfere with successful operation. Rainproof, raintight, or watertight equipment can fulfill the requirements for weatherproof where varying weather conditions other than wetness, such as snow, ice dust, or temperature extremes, are not a factor.

Wet location - Installations underground or in concrete slabs or masonry in direct contact with the earth, and locations subject to saturation with water or other liquids, such as locations exposed to weather and unprotected.



# Metal Gang Box Danger



The "traditional" metal gang box on the end of a cord has been a danger for many years.

There are several reasons for the danger:

- Metal boxes are designed for permanently wired installations, not portable temp power.
- No weatherproofing except for outdoor location FS types.
- HOT box danger. (See below)
- Hand Hazard with sharp edges

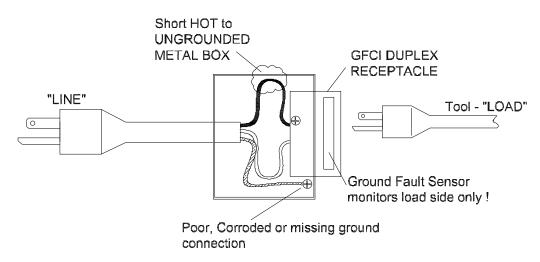


8000 Series



#### 6102 Series

# The GFCI False Sense of Security



As the diagram shows, the metal gang box can have a common situation in which the earth ground is poor or not connected. There can be a hot short to the metal box in which you now have a "hot" box. The short will not trip the circuit breaker nor will the GFCI trip. The GFCI sensor only watches the "load" side of the receptacle, not the line side. The GFCI is worthless in this situation.

#### **Ericson's Industrial Wiring Device Innovations Revolutionized Electrical Safety**

Sixty cents. That's what it would have cost in 1918 to purchase one of the first insulating Rubber Handles for one of your Extension Light, or Drop Lights as they were called in those days. The C & E Universal Safety Handle was molded of a heavy duty rubber compound and was designed for use with either keyed or keyless sockets to protect workers from electrical shocks and to add to the service life of the lights. Many lamp guards up to that point were made of wood which proved too fragile to withstand the many industrial uses to which they were put.

C & E was the forerunner of today's Ericson Manufacturing Co., founded by Edward O. Ericson. Ericson pioneered the development of a variety of important safety electrical devices.

Ericson devoted his attention to industrial applications. There was a great need for safe products for workers using electricity. Simple, molded rubber hand lamp handles (which he had patented in 1918) gave way to more sophisticated designs made of a variety of materials, each providing increasingly better electrical safety, durability and price advantages.

Ericson also pioneered in this area, and in 1927 introduced the first Insulated Hand Lamp Guards. The basic guard included a 1/16-in. thick electrolytically bonded insulation coating of the "toughest kind of rubber" that withstood dielectric tests of more than 4,000 volts. They provided a high degree of electrical safety and added to a lamp's service life under the roughest conditions.

Ericson's invention of the first "Dead-Front, Back-Wired" Electrical Plug in 1929 is perhaps the single most important development in the wiring device industry in the past seventy-plus years. U.S. Patent # 2,061,190 was assigned to it in 1936.

Older plugs and connectors had the wiring come through from the back. They were wired in the front end where the connections were visible and were susceptible to damage from moisture, dirt, tools, etc. (Fiber discs, and later plastic discs, were used to cover these wiring areas, but they often came off during use.) The Ericson "Dead-Front, Back-Wired" design placed the wiring connections at the rear of the plug with the front end closed off by a structural member of the device. The blades were held firmly and permanently in alignment.

There were no rivets to loosen or fiber to warp. Connections on the inside were protected. Cord grips kept tension off the terminals. Flexible shanks took the wear off the cord. They were easy to wire in the field. Newer variations are now even guicker and easier to wire: the stripped wires are inserted in holes, where simple screw tightening secures them in place.

Many products available today reach beyond being simple plugs or connectors. They are all, however, dead-front, back-wired devices. Our Perma-Tite® 2 Plugs and Connectors have unique features to protect the internals from moisture, dust and dirt. And covers using new, high tech materials resist chemicals, acids and oils to provide greater service life in extremely hazardous environments.



Plug into history: Before 1929 (top), plug connections were exposed. The first dead-front, back-wired plug created by Ericson (middle) revolutionized the industry, and eventually led to modern plugs (bottom) with such amenities as built-in ground and continuity monitors.

Ericson's Perma-Watch® Plugs and Connectors have built-in Ground and Continuity Monitor Devices to help workers determine at a glance whether their electrical power source's grounding system in safe. The GCM's have internal LED lamps that glow when the line has ground continuity. These devices also can help cut as much as 90% of the cost of maintaining OSHA required records for extension cord sets and temporary job site receptacles.

Ericson's dead-front, back-wired 1929 design is important: both the National Electrical Code and OSHA still require its use.



#### **OSHA Product Match**

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Торіс	Regulation	Ericson Product		
General Wiring	1926.404(a)(2) Polarity of connections. No grounded conductor shall be attached to any terminal or lead so as to reverse designated polarity.	Plugs		
Wiring Devices	1926.404(a)(3) Use of grounding terminals and devices. A grounding terminal or grounding-type device on a receptacle, cord connector, or attachment plug shall not be used for purposes other than grounding.	and Connectors		
	1926.404(b)(1)(i) General. The employer shall use either ground fault circuit interrupters as specified in paragraph (b)(1)(ii) of this section or an assured equipment grounding conductor program as specified in paragraph (b)(1)(iii) of this section to protect employees on construction sites. These requirements are in addition to any other requirements for equipment grounding conductors.			
Ground Fault Protection	1926.404(b)(1)(ii) Ground-fault circuit interrupters. All 120-volt, single-phase 15- and 20- ampere receptacle outlets on construction sites, which are not a part of the permanent wiring of the building or structure and which are in use by employees, shall have approved ground-fault circuit interrupters for personnel protection. Receptacles on a two-wire, single- phase portable or vehicle-mounted generator rated not more than 5kW, where the circuit conductors of the generator are insulated from the generator frame and all other grounded surfaces, need not be protected with ground-fault circuit interrupters.	GFCI		
	1926.404(b)(1)(iii) Assured equipment grounding conductor program. The employer shall establish and implement an assured equipment grounding conductor program on construction sites covering all cord sets, receptacles which are not a part of the building or structure, and equipment connected by cord and plug which are available for use or used by employees. This program shall comply with the following minimum requirements:			
	1926.404(b)(1)(iii)(A) A written description of the program, including the specific procedures adopted by the employer, shall be available at the jobsite for inspection and copying by the Assistant Secretary and any affected employee.	3		
	1926.404(b)(1)(iii)(B) The employer shall designate one or more competent persons (as defined in 1926.32(f)) to implement the program.			
	1926.404(b)(1)(iii)(C) Each cord set, attachment cap, plug and receptacle of cord sets, and any equipment connected by cord and plug, except cord sets and receptacles which are fixed and not exposed to damage, shall be visually inspected before each day's use for external defects, such as deformed or missing pins or insulation damage, and for indications of possible internal damage. Equipment found damaged or defective shall not be used until repaired.			
Assured	1926.404(b)(1)(iii)(D) The following tests shall be performed on all cord sets, receptacles which are not a part of the permanent wiring of the building or structure, and cord- and plug-connected equipment required to be grounded:			
Equipment Grounding	1926.404(b)(1)(iii)(D)(1) All equipment grounding conductors shall be tested for continuity and shall be electrically continuous.	GFCI Oscars™ Smart Monitor		
Conductor Program	1926.404(b)(1)(iii)(D)(2) Each receptacle and attachment cap or plug shall be tested for correct attachment of the equipment grounding conductor. The equipment grounding conductor shall be connected to its proper terminal.	Plugs/Connectors		
	<ul> <li>1926.404(b)(1)(iii)(E) All required tests shall be performed:</li> <li>1926.404(b)(1)(iii)(E)(1) Before first use</li> <li>1926.404(b)(1)(iii)(E)(2) Before equipment is returned to service following any repairs</li> <li>1926.404(b)(1)(iii)(E)(3) Before equipment is used after any incident which can be reasonably suspected to have caused damage (for example, when a cord set is run over) and</li> </ul>			
	<ul> <li>1926.404(b)(1)(iii)(E)(4) At intervals not to exceed 3 months, except that cord sets and receptacles which are fixed and not exposed to damage shall be tested at intervals not exceeding 6 months.</li> <li>1926.404(b)(1)(iii)(F) The employer shall not make available or permit the use by employees of any equipment which has not met the requirements of this paragraph (b)(1)(iii) of this section.</li> </ul>			
	1926.404(b)(1)(iii)(G) Tests performed as required in this paragraph shall be recorded. This test record shall identify each receptacle, cord set, and cord- and plug-connected equipment that passed the test and shall indicate the last date it was tested or the interval for which it was tested. This record shall be kept by means of logs, color cod- ing, or other effective means and shall be maintained until replaced by a more current record. The record shall be made available on the jobsite for inspection by the Assistant Secretary and any affected employee.			

Topic	Regulation	Ericson Product	
Electrical Grounding Safety for Generator or Transformer Derived Power	1926.404(f)(2) Separately derived systems. Where paragraph (f)(1) of this section requires grounding of wiring systems whose power is derived from generator, transformer, or converter windings and has no direct electrical connection, including a solidly connected grounded circuit conductor, to supply conductors originating in another system, paragraph (f)(5) of this section shall also apply.		
	1926.404(f)(3)(iii) Neutral conductor bonding. A neutral conductor shall be bonded to the generator frame if the generator is a component of a separately derived system. No other conductor need be bonded to the generator frame.	e-Cart™2 e-Cart™ Jr	
	1926.404(f)(5)(i) Grounded system. For a grounded system, a grounding electrode conductor shall be used to connect both the equipment grounding conductor and the grounded circuit conductor to the grounding electrode. Both the equipment grounding conductor and the grounded circuit conductor on the supply side of the service disconnecting means, or on the supply side of the system disconnecting means or overcurrent devices if the system is separately derived.	2	

Topic	Regulation	Ericson Product
	1926.404(f)(7)(iv) Equipment connected by cord and plug. Under any of the conditions described in paragraphs (f)(7)(iv)(A) through (f)(7)(iv)(C) of this section, exposed non-current-carrying metal parts of cord- and plug-connected equipment which may become energized shall be grounded:	e-Cart™, Oscar™ Series
	1926.404(f)(7)(iv)(A) If in a hazardous (classified) location (see 1926.407).	Hazardous Location Lighting
	1926.404(f)(7)(iv)(B) If operated at over 150 volts to ground, except for guarded motors and metal frames of electrically heated appliances if the appliance frames are permanently and effectively insulated from ground.	
Cord	1926.404(f)(7)(iv)(C)(1) Hand held motor-operated tools	Ericson Temporary Cordsets and Wiring
Connected Equipment	1926.404(f)(7)(iv)(C)(2) Cord- and plug-connected equipment used in damp or wet locations or by employees standing on the ground or on metal floors or working inside of metal tanks or boilers	Devices
	1926.404(f)(7)(iv)(C)(4) Tools likely to be used in wet and/or conductive locations	
	1926.404(f)(7)(iv)(C)(5) Portable hand lamps.	Ericson Temporary Lighting Products
	1926.404(f)(7)(iv)(C)(6) Tools likely to be used in wet and/or conductive locations need not be grounded if supplied through an isolating transformer with an ungrounded secondary of not over 50 volts. Listed or labeled portable tools and appliances protected by a system of double insulation, or its equivalent, need not be grounded. If such a system is employed, the equipment shall be distinctively marked to indicate that the tool or appliance utilizes a sys- tem of double insulation.	Low Voltage Lighting Products



#### **OSHA Product Match**

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Торіс	Regulation	Ericson Product			
	1926.405(a)(2)(i) Scope. The provisions of paragraph (a)(2) of this section apply to temporary electrical power and lighting wiring methods which may be of a class less than would be required for a permanent installation. Except as specifically modified in paragraph (a)(2) of this section, all other requirements of this subpart for permanent wiring shall apply to temporary wiring installations. Temporary wiring shall be removed immediately upon completion of construction or the purpose for which the wiring was installed.	Stringlights and Cordsets			
Temporary Wiring	1926.405(a)(2)(ii)(B) Branch circuits shall originate in a power outlet or panelboard. Conductors shall be run as multiconductor cord or cable assemblies or open conduc- tors, or shall be run in raceways. All conductors shall be protected by overcurrent devices at their ampacity. Runs of open conductors shall be located where the conduc- tors will not be subject to physical damage, and the conductors shall be fastened at intervals not exceeding 10 feet (3.05 m). No branch-circuit conductors shall be laid on the floor. Each branch circuit that supplies receptacles or fixed equipment shall contain a separate equipment grounding conductor if the branch circuit is run as open con- ductors.	e-Cart™ and Oscar™ Series			
	1926.405(a)(2)(ii)(C) Receptacles shall be of the grounding type. Unless installed in a complete metallic raceway, each branch circuit shall contain a separate equipment grounding conductor, and all receptacles shall be electrically connected to the grounding conductor. Receptacles for uses other than temporary lighting shall not be installed on branch circuits which supply temporary lighting. Receptacles shall not be connected to the same ungrounded conductor of multiwire circuits which supply temporary lighting.	e-Cart™ and Oscar™ Series			
	1926.405(a)(2)(ii)(D) Disconnecting switches or plug connectors shall be installed to permit the disconnection of all ungrounded conductors of each temporary circuit.	Ericson Wiring Devices			
Lamp Guards on All Lighting	1926.405(a)(2)(ii)(E) All lamps for general illumination shall be protected from acciden- tal contact or breakage. Metal-case sockets shall be grounded.	Ericson Lamp Guards			
Temporary Lighting Mounting	nporary Lighting 1926.405(a)(2)(ii)(F) Temporary lights shall not be suspended by their electric cords				
Low Voltage Lighting	1926.405(a)(2)(ii)(G) Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 volts or less. However, 120-volt lights may be used if protected by a ground-fault circuit interrupter.	Low Voltage Lighting			
Cord Protection	1926.405(a)(2)(ii)(I) Flexible cords and cables shall be protected from damage. Sharp corners and projections shall be avoided. Flexible cords and cables may pass through doorways or other pinch points, if protection is provided to avoid damage.	CP5-36 Cable Protectors			
Flexible Cords	1926.405(a)(2)(ii)(J) Extension cord sets used with portable electric tools and appli- ances shall be of three-wire type and shall be designed for hard or extra-hard usage. Flexible cords used with temporary and portable lights shall be designed for hard or extra-hard usage.	Ericson Temporary Cordsets			
	1926.405(g)(2)(iv) Strain relief. Flexible cords shall be connected to devices and fittings so that strain relief is provided which will prevent pull from being directly transmitted to joints or terminal screws.	6000, 7000 and 8000 Series Boxes and Covers			

Topic	Regulation	Ericson Product					
Portable Lighting	1926.405(j)(1)(iii) Portable lamps. Portable lamps shall be wired with flexible cord and an attachment plug of the polarized or grounding type. If the portable lamp uses an Edison-based lampholder, the grounded conductor shall be identified and attached to the screw shell and the identified blade of the attachment plug. In addition, portable handlamps shall comply with the following:	Ericson Lighting Products and Wiring Devices					
Handlampe	1926.405(j)(1)(iii)(B) Handlamps shall be equipped with a handle of molded composi- tion or other insulating material						
Handlamps	1926.405(j)(1)(iii)(C) Handlamps shall be equipped with a substantial guard attached to the lampholder or handle	-					
Metal Guards on Stringlights	Guards on 1926.405(j)(1)(iii)(D) Metallic guards shall be grounded by the means of an equipment						
Weather Proof Lampholders	1926.405(j)(1)(iv) Lampholders. Lampholders of the screw-shell type shall be installed for use as lampholders only. Lampholders installed in wet or damp locations shall be of the weatherproof type.	Products					
Lighting Fixtures in Wet Locations	ighting Fixtures in for the purpose and shall be installed in wet or damp locations shall be identified for the purpose and shall be installed so that water cannot enter or accumulate in						
Plugs / Connectors	Plugs / Connectors attachment plug of the same voltage rating. Receptacles connector will accept an attachment of the same voltage or current rating than that for which the device is intend- ed. However, a 20-ampere T-slot receptacle or cord connector may accept a 15-ampere attachment plug of the same voltage rating. Receptacles connected to circuits having different voltages, frequencies, or types of current (ac or dc) on the same premises shall be of such design that the attachment plugs used on these circuits are not inter- changeable.						
Wet Locations for Receptacles	1926.405(j)(2)(ii) Damp and wet locations. A receptacle installed in a wet or damp location shall be designed for the location.	FS Flip Covers					

#### 1926.56(a)

General. Construction areas, ramps, runways, corridors, offices, shops, and storage areas shall be lighted to not less than the minimum illumination intensities listed in Table D-3 while any work is in progress:

#### TABLE D-3 - MINIMUM ILLUMINATION INTENSITIES IN FOOT-CANDLES

Foot-Candles Area of Operation
5 General construction area lighting.
<b>3</b> General construction areas, concrete placement,
excavation and waste areas, access ways, active
storage areas, loading platforms, refueling, and
field maintenance areas.
5 Indoors: warehouses, corridors, hallways, and
exitways.
5 Tunnels, shafts, and general underground work areas:
(Exception: minimum of 10 foot-candles is required
at tunnel and shaft heading during drilling,
mucking, and scaling. Bureau of Mines approved cap
lights shall be acceptable for use in the tunnel
heading)
10   General construction plant and shops (e.g., batch
plants, screening plants, mechanical and
electrical equipment rooms, carpenter shops,
rigging lofts and active store rooms, mess halls,
and indoor toilets and workrooms.)
<b>30</b>   First aid stations, infirmaries, and offices.



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#### Do's

- Use enough lighting to comply to Table D-3 OSHA
- Use proper bulb protection per the mfg instructions
- Use 3 wire grounded stringlights with metal bulb guards
- Use MH fixtures properly and not too close to workers
- Use proper lighting fixtures for the environment intended
- Use proper stairwell lighting even during construction

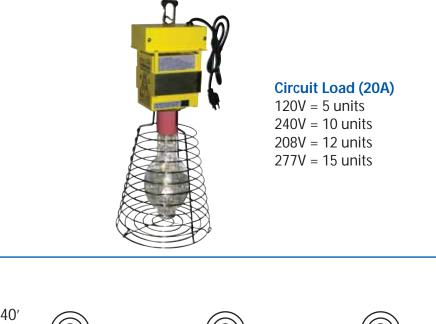
#### Don'ts

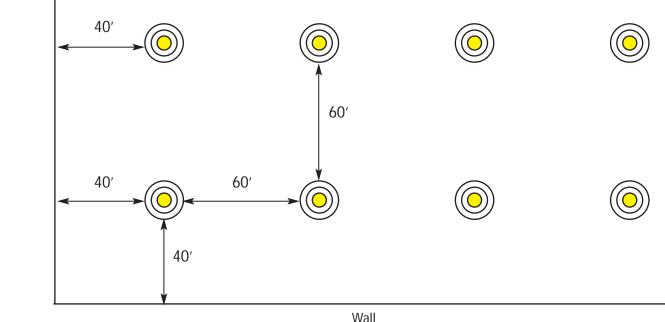
- Operate sites with poor lighting -leads to accidents
- Hang stringlights by the cord only use mounting tabs
- Use 2 wire stringlights with metal guards guard must be grounded
- Use MH fixtures with cracked or partial broken bulb UV A & B can get out
- Use non-hazardous lighting in classified locations
- Use permanent light fixtures in temporary applications

#### Baylite<sup>™</sup> Layout (shown from top)

Wall

**Note:** This layout is typical to ensure minimum OSHA lighting standards, however many variables effect this layout. Use this as a general guide but Ericson makes no absolute claim to compliance.





#### **OSHA** Regulations

Торіс	Regulation	Ericson Product				
Lamp Guards on All Lighting	1926.405(a)(2)(ii)(E) All lamps for general illumination shall be protected from accidental contact or breakage. Metal-case sockets shall be ground-ed.	Ericson Lamp Guards				
Temporary Lighting Mounting	1926.405(a)(2)(ii)(F) Temporary lights shall not be suspended by their elec- tric cords unless cords and lights are designed for this means of suspen- sion.	Stringlights				
Low Voltage Lighting	•					
Cord Protection	<b>Cord Protection</b> 1926.405(a)(2)(ii)(I) Flexible cords and cables shall be protected from damage. Sharp corners and projections shall be avoided. Flexible cords and cables may pass through doorways or other pinch points, if protection is provided to avoid damage.					
Flexible Cords	1926.405(a)(2)(ii)(J) Extension cord sets used with portable electric tools and appliances shall be of three-wire type and shall be designed for hard or extra-hard usage. Flexible cords used with temporary and portable lights shall be designed for hard or extra-hard usage.	Ericson Temporary Cordsets				
	1926.405(g)(2)(iv) Strain relief. Flexible cords shall be connected to devices and fittings so that strain relief is provided which will prevent pull from being directly transmitted to joints or terminal screws.	6000, 7000 and 8000 Series Boxes and Covers				



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104	83	2406	100	6105	53 -54	61250	55
107	83	2407	100	6106	53 -54	82005	57
118	83	2409	100	6110	53 -54	82010	57
119	83	2500	100	6111	53 -54	82034	57
150	83	2501	100	6129	53 -54	142100	67
211	69,73	2502	100	6130	53 -54	1000-25	107
212	69,73	2503	100	6131	53 -54	1000-50	107
214	72,73	2525	100	6132	53 -54	1000-BAL	107
215	72,73	2550	100	6133	53 -54	1000F	107
216	72,73	2600	100	6135	53 -54	1000F-25	108
220	73	2601	102	7000	56	1000F-25S	108
224	73	2602	102	7000	56	1000F-50	108
224	73	2603	102	7002	56	1000F-50S	108
702	86	2604	102	7004	56	1000F-EMBT	100
702	86	2605	102	7008	56	1000F-EMBT-25	109
703	86	2605	102	7008	56	1000F-EMBT-50	109
704	86	2625	102	7010	56	1000F-EMB1-50	109
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708	86		102				108
710	83	2900	163	7024	56	1000F-R50	108
711	86	2910	163	7425	82	1000F-RG	108
712	86	2925	80	7450	82	1000F-S	108
718	82	2950	80	7717	140	1000-HAN	107
744	82	3769	140	7825	82	1000-LRK	107
901	88	3775	140	7850	82	1000-MAG	107
902	88	3777	140	8005	57	1000-MH	110
903	88	4744	104	8010	57	1000-MH-LENS	110
904	88	4780	104	8034	57	1000-MH-MAG	110
905	88	5502	179,182	8200	57	1000-R	107
906	88	5504	179,182	8201	57	1000-R25	107
918	86	5506	179,182	8202	57	1000-R50	107
944	86	5508	179,182	8203	57	1000-RG	107
1000	107	5510	179,182	8204	57	1000-RG25	107
1010	107	5512	179,182	8205	57	1000-RG50	107
1060	145,153	5700	193	8206	57	1002-MHX-LPS	78
1061	145,153	5702	179,193	8207	57	1002-MHXPS	78
1062	145,153	5704	179,193	8208	57	1003-HPS	110
1066	28,30	5706	179,193	8209	57	1004-MHX-1PS	78
1067	28,34	5708	179,193	8210	57	1004-MHX-25PS	78
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123100STWY-2W	70	143100STWY-1W	70	1510PW6P143B	45	1520P143D	45
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1610-CG-BLK	119 - 120,125	1622-CG	119 - 120,125	2310P103B	45	2314PW6P123B	45
1610-CMGL	119 - 120,128	1622-CW6P	119 - 120,126	2310P123A	45	2314PW6P123D	45
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45	2526P124A	45	2514PW6P123A	119 - 120,126	2420-CW6P	45	2322P144A
45	2526P124B	45	2514PW6P123B	119 - 120,123	2422-C	45	2322P144B
45	2526P124D	45	2514PW6P123D	119 - 120,126	2422-CW6P	45	2322P144D
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BE1-CAM2CL3180	16	CS8375	140	EJR4315CM3061-UL	20	OS2E-01-050P5MLB	38
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SC20MF10-G         13         SC2MF50-B         13         SSE-LITE         74         NC212-2W         145,150-151           SC20MF10-W         13         SCAMF50-R         13         SK4120         68         NC212-2W-MC         145,150-151           SC20MF10-W         13         SCAMF50-W         13         XC412-10B-MC         145,150-151         NC212-2W-MR         145,150-151           SC20MF25-B         13         SCA         122         XC21-210B-MC         145,150-151         NC212-2W-MR,15         145,150-151           SC20MF25-R         13         SCA0F100-BK         13         XC21-210B-MR         145,150-151         NC21-250B-MR         145,150-151           SC20MF36         13         SCA0F100-R         13         XC21-210B-MR         145,150-151         NC21-250B-MR         145,150-151           SC20MF36         13         SCA0F100-R         13         XC21-210B-MR         145,150-151         NC21-250B-MR         145,150-151           SC20MF36         13         SCA0F10-R         13         XC21-210B-MR         145,150-151         NC21-250B-MR         145,150-151           SC20MF36         13         SCA0F10-R         13         XC21-210B-MR         145,150-151         XC21-250B-MR         145,150-151 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
SC20MF10.R13SCMF0.P13SFMD74XG-12-WI-S145, 150-15SC20MF26R13SC2MF50.R13X-142100M45, 150-15XG-12-WI-MR145, 150-15SC20MF25R13SC4172XG-12-10BM.R145, 150-15XG-12-2WI-MR145, 150-15SC20MF25R13SC4122XG-12-10BM.R145, 150-15XG-12-2WI-MR145, 150-15SC20MF25R13SC40F100-R13XG-12-10BM.R145, 150-15XG-12-20BM.R145, 150-15SC20MF25R13SC40F100-R13XG-12-10BM.R145, 150-15XG-12-20BM.R145, 150-15SC20MF38K13SC40F100-R13XG-12-10BM.R145, 150-15XG-12-20BM.R145, 150-15SC20MF38H13SC40F10-R13XG-12-10BM.R145, 150-15XG-12-20BM.R145, 150-15SC20MF38H13SC40F10-R13XG-12-10BM.R145, 150-15XG-12-20BM.R145, 150-15SC20MF37H13SC40F10-R13XG-12-10W.R145, 150-15XG-12-20BM.R145, 150-15SC20MF30H13SC40F10-R13XG-12-10W.R145, 150-15XG-12-20BW.R145, 150-15SC20MF30H13SC40F2-R13XG-12-10W.R145, 150-15XG-12-20BW.R145, 150-15SC20MF30H13SC40F2-R13XG-12-10W.R145, 150-15XG-12-20BW.R145, 150-15SC20MF30H13SC40F2-R13XG-12-20W.R145, 150-15XG-12-20BW.R145, 150-15 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
S2C0MF10-W         13         S2LMF50-W         13         X42100         6B         X62-12-WLKG         145,150-15           S2C0MF25-BK         13         SCA         17         X62-12-108-15         145,150-15         X62-12-2WLR-15         145,150-15           S2C0MF25-G         13         SCA         172         X62-12-108-MR         145,150-15         X62-12-2WLR-15         145,150-151           S2C0MF25-K         13         SCA0F100-RK         13         X62-12-108-MR         145,150-151         X62-12-208-MR-15         145,150-151           S2C0MF3-K         13         SCA0F100-RK         13         X62-12-108-MR         145,150-151         X62-12-208-MR-15         145,150-151           S2C0MF3-RL         13         SCA0F10-RK         13         X62-12-108-MR         145,150-151         X62-12-208-MR-15         145,150-151           S2C0MF3-RL         13         SC40F10-R         13         X62-12-108-MR         145,150-151         X62-12-208-MR-16         145,150-151           S2C0MF3-RL         13         SC40F10-R         13         X62-12-108-MR         145,150-151         X62-12-508-MR         145,150-151           S2C0MF50-R         13         SC40F10-R         13         X62-12-108-MR         145,150-151         X62-12-508								
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SC20MF25-BL         13         SC3         172         KG2-12:0B-RR         145         KG2-12:2W-MR-16         145         KG2-12:0B         KG1-12:0B         KG1-12:0B         KG1-12:0B         KG1-12:0B         KG1-12:0B         KG1-10:0B         KG2-12								
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SC20MF25-W         13         SC40F100-G         13         XG2-12.10BW         145, 150-151         XG2-12.05 MAR         145, 150-151           SC20MF3-BK         13         SC40F100-R         13         XG2-12.10BW-MR         145, 150-151         XG2-12.205 MAR         145, 150-151           SC20MF3-BL         13         SC40F100-W         13         XG2-12.10G-1         145         XG2-12.208W-MR-15         145, 150-151           SC20MF3-R         13         SC40F10-BL         13         XG2-12.10G-1         145         XG2-12.208W-MR         145, 150-151           SC20MF3-W         13         SC40F10-R         13         XG2-12.10W-1         145, 150-151         XG2-12.50BW-MR         145, 150-151           SC20MF50-G         13         SC40F10-R         13         XG2-12.10W-1R         145, 150-151         XG2-12.50BW-MR         145, 150-151           SC20MF50-K         13         SC40F25-BL         13         XG2-12.10W-MR         145, 150-151         XG2-12.50W-MR         145, 150-151           SC20MF50-W         13         SC40F25-BL         13         XG2-12.0W-MR         145, 150-151         XG2-12.50W-15         145, 150-151           SC2110-BL         13         SC40F25-W         13         XG2-12.2BW-16         145, 150-151								
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SC2F25-R         13         SC40MF25-BK         13         XG2-12-25G-MR-15         145, 150-151         XG2R-12-50BS-15         145,           SC2F25-W         13         SC40MF25-BL         13         XG2-12-25G-MR-LKG         145, 150-151         XG2R-12-50BS-MR-15         145, 150-151           SC2F3-BK         13         SC40MF25-G         13         XG2-12-25W-MLKG         145, 150-151         YC2R-12-50BS-MR-15         145, 150-151           SC2F3-BL         13         SC40MF25-R         13         XG2-12-25W-LKG         145, 150-151         YC2R-12-50BS-MR-15         145, 150-151           SC2F3-G         13         SC40MF25-W         13         XG2-12-25W-LKG         145, 150-151         YC2R-12-50BS-MR-15         YC2R-12		13		13				
SC2F25-W       13       SC40MF25-BL       13       XG2-12-25G-MR-LKG       145, 150-151       XG2R-12-50BS-MR-15       145, 150-151         SC2F3-BK       13       SC40MF25-G       13       XG2-12-25W       145, 150-151       XG2R-12-50BS-MR-15       145, 150-151         SC2F3-BL       13       SC40MF25-R       13       XG2-12-25W-LKG       145, 150-151       Yes       Yes       Yes         SC2F3-G       13       SC40MF3-BK       13       XG2-12-25W-LKG       145, 150-151       Yes       Yes </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
SC2F3-BK         13         SC40MF25-G         13         XG2-12-25W         145,150-151           SC2F3-BL         13         SC40MF25-R         13         XG2-12-25W-15         145,150-151           SC2F3-G         13         SC40MF25-W         13         XG2-12-25W-LKG         145,150-151           SC2F3-R         13         SC40MF3-BK         13         XG2-12-25W-MR         145,150-151           SC2F3-W         13         SC40MF3-BK         13         XG2-12-25W-MR-15         145,150-151           SC2F3-W         13         SC40MF3-BL         13         XG2-12-25W-MR-15         145,150-151           SC2F3-W         13         SC40MF3-BL         13         XG2-12-25W-MR-15K         145,150-151           SC2MF10-BK         13         SC40MF3-G         13         XG2-12-25W-MR-LKG         145,150-151								
SC2F3-BL         13         SC40MF25-R         13         XG2-12-25W-15         145,150-151           SC2F3-G         13         SC40MF25-W         13         XG2-12-25W-LKG         145,150-151           SC2F3-R         13         SC40MF3-BK         13         XG2-12-25W-MR         145,150-151           SC2F3-W         13         SC40MF3-BK         13         XG2-12-25W-MR         145,150-151           SC2F3-W         13         SC40MF3-BL         13         XG2-12-25W-MR-15         145,150-151           SC2MF10-BK         13         SC40MF3-G         13         XG2-12-25W-MR-LKG         145,150-151								
SC2F3-G         13         SC40MF25-W         13         XG2-12-25W-LKG         145,150-151           SC2F3-R         13         SC40MF3-BK         13         XG2-12-25W-MR         145,150-151           SC2F3-W         13         SC40MF3-BL         13         XG2-12-25W-MR-15         145,150-151           SC2MF10-BK         13         SC40MF3-G         13         XG2-12-25W-MR-15         145,150-151								
SC2F3-R         13         SC40MF3-BK         13         XG2-12-25W-MR         145, 150-151           SC2F3-W         13         SC40MF3-BL         13         XG2-12-25W-MR-15         145, 150-151           SC2MF10-BK         13         SC40MF3-G         13         XG2-12-25W-MR-LKG         145, 150-151								
SC2F3-W         13         SC40MF3-BL         13         XG2-12-25W-MR-15         145, 150-151           SC2MF10-BK         13         SC40MF3-G         13         XG2-12-25W-MR-LKG         145, 150-151								
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