

CROUSE-HINDS® MOLDED PRODUCTS

# E2000

S E R I E S

## Power Connectors

Designed for the ultimate  
in reliability and performance.

CROUSE-HINDS  
**cam-lok**<sup>®</sup>  
CONNECTORS

 **COOPER** Crouse-Hinds

## CROUSE-HINDS® MOLDED PRODUCTS

# E2000 Series Power Connectors

Designed for use around the world, Crouse-Hinds E2000 series connectors deliver a new generation of single-pole power connector performance and reliability. The E2000 series provides easy installation, polarized bodies, a J-type locking slot and other unique features to maximize convenience and safety. Additionally, they will mate with all equivalent connectors.

## Applications

- Connects electrical equipment quickly with ultimate safety.
- Use with three-phase motors, generators, load banks, lighting distribution panels and in-house supplies.
- Locations include outdoor concerts, carnivals, sporting events, outdoor television broadcasts, theatres, electricity supply companies and many heavy industrial environments such as mining and construction.
- Designed and tested to conform with European and USA electrical safety standards and specifications.

## Features

**Field Installable**—Easy to use, no special tools required.

**Dead-Front Male Source Contacts**—Insulating tip on male prevents exposure to live components. Spring-loaded female drain contacts also available. Patent pending.

**High-Conductivity Contacts**—Made from high-copper-content material to maximize conductivity and minimize heat rise.

**Polarized Connector Bodies**—Each phase is uniquely keyed to prevent cross mating.

**Waterproof**—Connectors are rated for IP67 when mated.

**Wide-Range Cable Gland**—Strain relief and moisture seal on a wide range of cables.

**J-Type Locking Slots**—J-Type locking slots assure connectors stay locked together.

**Locking Pins**—Spring-loaded locking pin may be used for supplemental connector body locking.

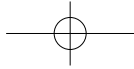
**Color Options**—Full range of colors available for UK, USA, Australian and European standards.

**Impact-Resistant Insulators**—Made from high-grade, thermoplastic material.

**Multilouvered Contact Band**—Assures high conductivity and ease of engagement.

**Conductor-Specific Contacts**—Line connector contacts are sized for specific conductors to ease installation and improve performance.



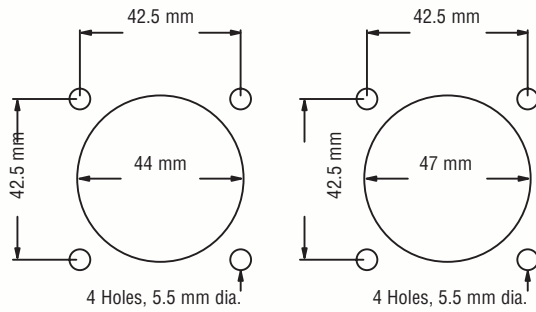


## Specifications

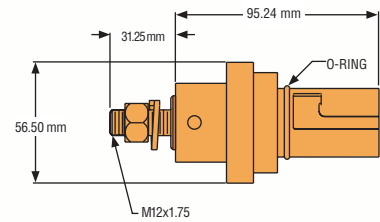
Parameter	Rating
Maximum Current Rating	400 Amp
Maximum Rated Voltage to Earth	2 kVAC/3 kVDC
Leakage Current	IP1X Line & Panel Drain
Operating Temperature Range	-30° to 90°C
Insulation Resistance	>10 MΩ@500 VDC
Ingress Protection (mated)	IP67
Protection Against Shock	IP2X Line & Panel Source
Flammability	UL94-V0

## Dimensions

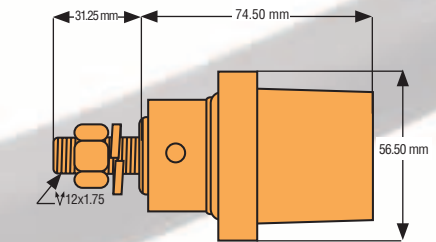
### Cutout for Panel Source    Cutout for Panel Drain



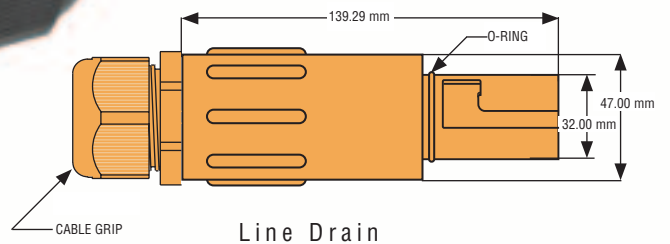
## Standard Formats



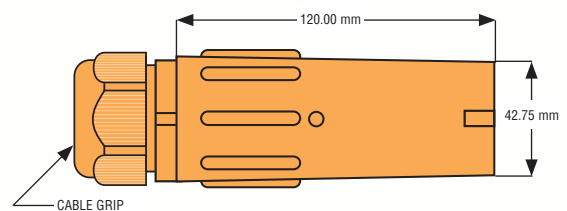
Panel Drain



Panel Source



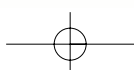
Line Drain



Line Source



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# Ordering Information

## CODING OPTIONS

	Earth	Neutral	Line 1	Line 2	Line 3
<b>UK</b>	Green	Black	Red	Yellow	Blue
<b>Europe</b>	Green	Blue	Brown	Black	Gray
<b>USA</b>	Green	White	Black	Red	Blue
<b>Australia</b>	Green	Black	Red	White	Blue

## PART NUMBER MATRIX

Base	Contact Size	Type/Gender	Phase	Color
E2000-	Universal Receptacle Contact = 1*	Line Source Male Plug = 1	L1 = 1	Brown = 1
E2000B-	70 mm <sup>2</sup> = 2	Line Drain Female Plug = 2	L2 = 2	Black = 2
E2000C-	95 mm <sup>2</sup> = 3	Panel Source Male Receptacle = 3	L3 = 3	Gray = 3
	120 mm <sup>2</sup> = 4*	Panel Drain Female Receptacle = 4	Neutral = 4	Blue = 4
	150 mm <sup>2</sup> = 5*		Earth = 5	Green = 5
	300 mm <sup>2</sup> = 6*			Red = 6
				Yellow = 7
				White = 8

\*For copper contacts add a "C" to the end of the part number.

Use the Part Number Matrix to develop Item Numbers for either Line Source, Line Drain, Panel Source, or Panel Drain configurations that meet your local code requirements.

Example: 120 mm<sup>2</sup>, Line Source, for European Phase 1 Applications

E2000 4 1 1 1 E2000-4111

## TYPICAL EUROPEAN PLUGS WITH 120 mm<sup>2</sup> CONTACTS & EUROPEAN RECEPTACLES WITH UNIVERSAL CONTACTS

		Line Source (Male Plug)			Line Drain (Female Plug)		
		COMPLETE CAT. #	COMPONENTS		COMPLETE CAT. #	COMPONENTS	
			CONTACT ONLY CAT. #	INSULATOR ONLY CAT. #		CONTACT ONLY CAT. #	INSULATOR ONLY CAT. #
BROWN	L1	E2000-4111	E2000C-41	E2000B-111	E2000-4211	E2000C-42	E2000B-211
BLACK	L2	E2000-4122	E2000C-41	E2000B-122	E2000-4222	E2000C-42	E2000B-222
GRAY	L3	E2000-4133	E2000C-41	E2000B-133	E2000-4233	E2000C-42	E2000B-233
BLUE	N	E2000-4144	E2000C-41	E2000B-144	E2000-4244	E2000C-42	E2000B-244
GREEN	EARTH	E2000-4155	E2000C-41	E2000B-155	E2000-4255	E2000C-42	E2000B-255

		Panel Source (Male Receptacle)			Panel Drain (Female Receptacle)		
		COMPLETE CAT. #	COMPONENTS		COMPLETE CAT. #	COMPONENTS	
			CONTACT ONLY CAT. #	INSULATOR ONLY CAT. #		CONTACT ONLY CAT. #	INSULATOR ONLY CAT. #
BROWN	L1	E2000-1311	E2000C-13	E2000B-311	E2000-1411	E2000C-14	E2000B-411
BLACK	L2	E2000-1322	E2000C-13	E2000B-322	E2000-1422	E2000C-14	E2000B-422
GRAY	L3	E2000-1333	E2000C-13	E2000B-333	E2000-1433	E2000C-14	E2000B-433
BLUE	N	E2000-1344	E2000C-13	E2000B-344	E2000-1444	E2000C-14	E2000B-444
GREEN	EARTH	E2000-1355	E2000C-13	E2000B-355	E2000-1455	E2000C-14	E2000B-455

Other part numbers available. See Part Number Matrix above.

## ACCESSORIES

Dead-Front Female Accessory Kit E2000-DFK

Secondary Locking Kit

E2000-SLK



### For more information:

If further assistance is required, please contact an authorized Crouse-Hinds Distributor, Crouse-Hinds Sales Office or Crouse-Hinds Customer Service Department.

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