



PHASE 3  
CONNECTORS

## POWER DISTRIBUTION SEQUENTIAL MATING BOX

The **Powersafe Sequential Mating Box** is a three phase power distribution board for temporary electrical installations. The connection point has a high current rating of 800A and is compatible with other manufacturer's connectors.



**POWERSAFE**  
500A / 800A





## POWERSAFE

**The Powersafe Sequential Mating box is a three phase power distribution board designed for use with temporary electrical installations with a current rating of up to 800amps.**

The sequence of connection and disconnection is controlled to ensure safety circuits are connected first and disconnected last (first mate last break). Furthermore the keyed design eliminates the possibility of connection errors. The Powersafe box incorporates an integral shutter mechanism which controls the connection sequence.

The unit accepts connection of Powersafe line connectors and other branded single pole connectors. The power distribution box comes in both source and drain versions and in two panel sizes, 88mm and 108mm.

### DIMENSIONS

**88mm (2U) box:** H= 88mm, W= 483mm, D= 130mm

**108mm box:** H= 108mm, W= 483mm, D= 130mm

**Electrical:** Current rating up to 800Amps.

**Maximum rated voltage to Earth:** 2KVac / 3KVdc.

**Typical Applications:** MOD, Hospitals, Stadiums, Mobile Generators, Field Camps, Outdoor Events, Welding Equipment, Data Centres, Dockside Power.

### Sequenced Connection

- The first step is to turn the devices key to open Earth lock. *(The Earth cap will open to allow connection of the Earth connector)*
- Plug the Earth connector in and turn clockwise to its locked position. *(The Neutral cap will now open to allow you to plug the Neutral connector in).*
- Continue the sequence with L1 and L2 and then when the L3 connector is plugged in and engaged, turn the lock key to the closed position. This will lock all the connectors mechanically in place so that they cannot be removed and it will also operate an internal micro-switch.
- The internal micro-switch can be used as a signal path to operate electrical protection devices, a 3 pin connector on the rear of the box is provided for easy connection. This can be used to trip the supply to the box should someone open the Lock key whilst the supply is present.

## Submit Your Quote Request to:

**Email:** Sales@p3connectors.com

**Website:** p3connectors.com/contact

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**Phase 3 Connectors Ltd.**

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PART NUMBER	DESCRIPTION
SD00046	PS5-E-88 SEQUENTIAL BOX EURO
SD00047	PD5-E-88 SEQUENTIAL BOX EURO
SD00061	PS5-E-108 SEQUENTIAL BOX EURO
SD00062	PD5-E-108 SEQUENTIAL BOX EURO
SD00056	PS5-A-88 SEQUENTIAL BOX AUSTRALIA
SD00057	PD5-A-88 SEQUENTIAL BOX AUSTRALIA
SD00287	PS5-A-108 SEQUENTIAL BOX AUSTRALIA
SD00266	PD5-A-108 SEQUENTIAL BOX AUSTRALIA
SD00058	PS5-UK-88 SEQUENTIAL BOX UK
SD00059	PD5-UK-88 SEQUENTIAL BOX UK
SD00288	PS5-UK-108 SEQUENTIAL BOX UK
SD00354	PD5-UK-108 SEQUENTIAL BOX UK
SD00398	PS5-USA-108 SEQUENTIAL BOX UNITED STATES
SD00399	PD5-USA-108 SEQUENTIAL BOX UNITED STATES
PP00238	5m MICRO-SWITCH LEAD TO CONNECTOR TO REAR OF BOX
PP00262	SPARE KEY FOR BOX
SD00406	DUMMY EARTH PLUG FOR SOURCE BOX - CAN BE USED WITHOUT EARTH LEAD
SD00297	DUMMY EARTH PLUG FOR DRAIN BOX - CAN BE USED WITHOUT EARTH LEAD

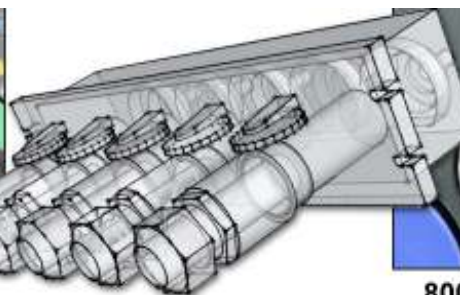
**HOW TO ORDER:**  
 PD5= Drain Box; PS5= Source Box  
 Colours/Country: E = European; A = Australian; UK = "Old UK "; USA = United States  
 Size: 88 = 88mm (2U) Flush Front Panel; 108 = 108mm Front Panel (10mm lip top and bottom) LID: Optional Lid for IP67 rating



**M12 Cable Lugs**



**Locking Key**



**800A Capacity**



**Remote Control**

# POWERSAFE