



Welcome to the Powersure LSP Series

In this series you will find our high current, single pole connectors equipped with a secondary locking device for extra safety.

The series consists of In-Line and Panel-Mount connectors, all of which are colour coded and mechanically keyed to prevent phase connection errors and ensure safety.

The connectors are available in two current ratings;

- 500 amp (LSP500****)
Designed for single core cables from 25mm up to 150mm and features a set screw termination,
- 800 amp (LSP800****)
Designed for single core cables from 150mm to 300mm and features a crimp termination,

The series is designed for use in a "daisy chain" system and is split into four connector types;



Panel Source (LSP***PS**),



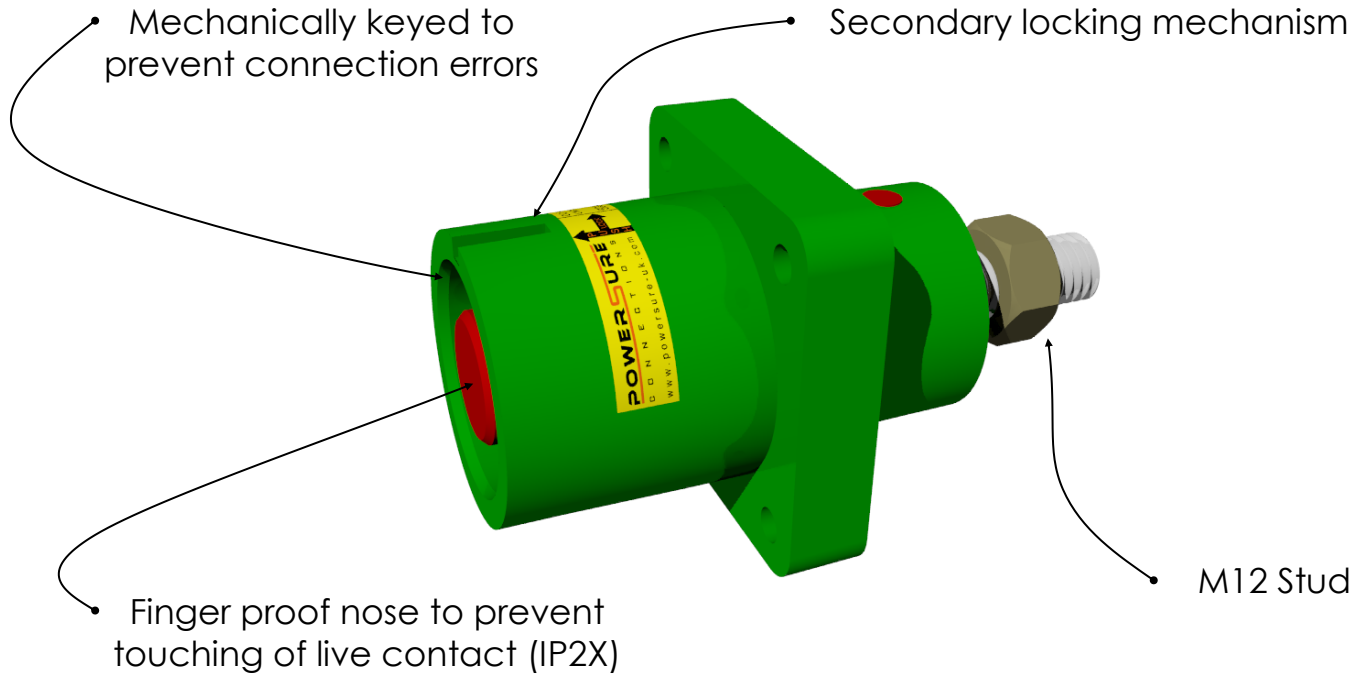
Panel Drain (LSP***PD**),



Line Source (LSP***LS**),

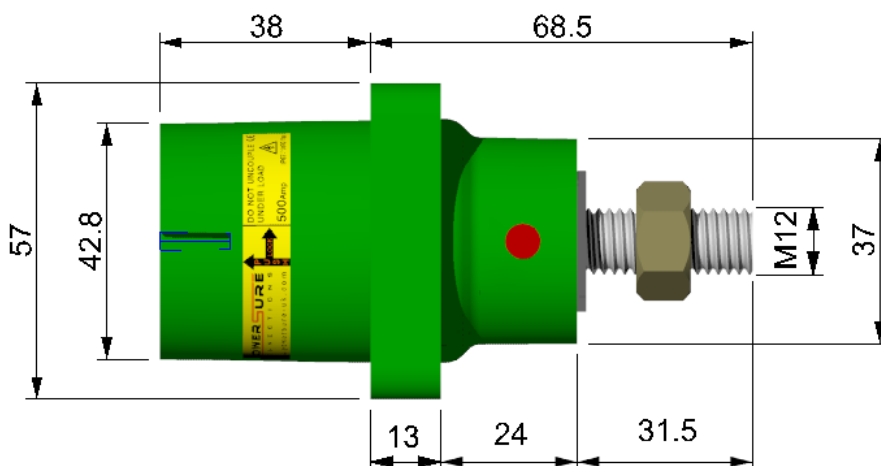


Line Drain (LSP***LD**),

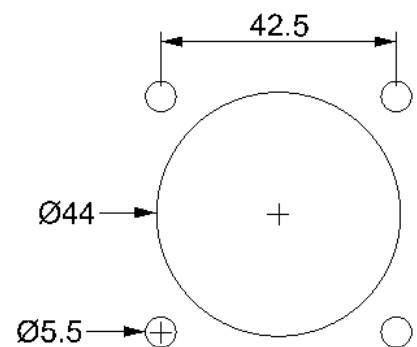


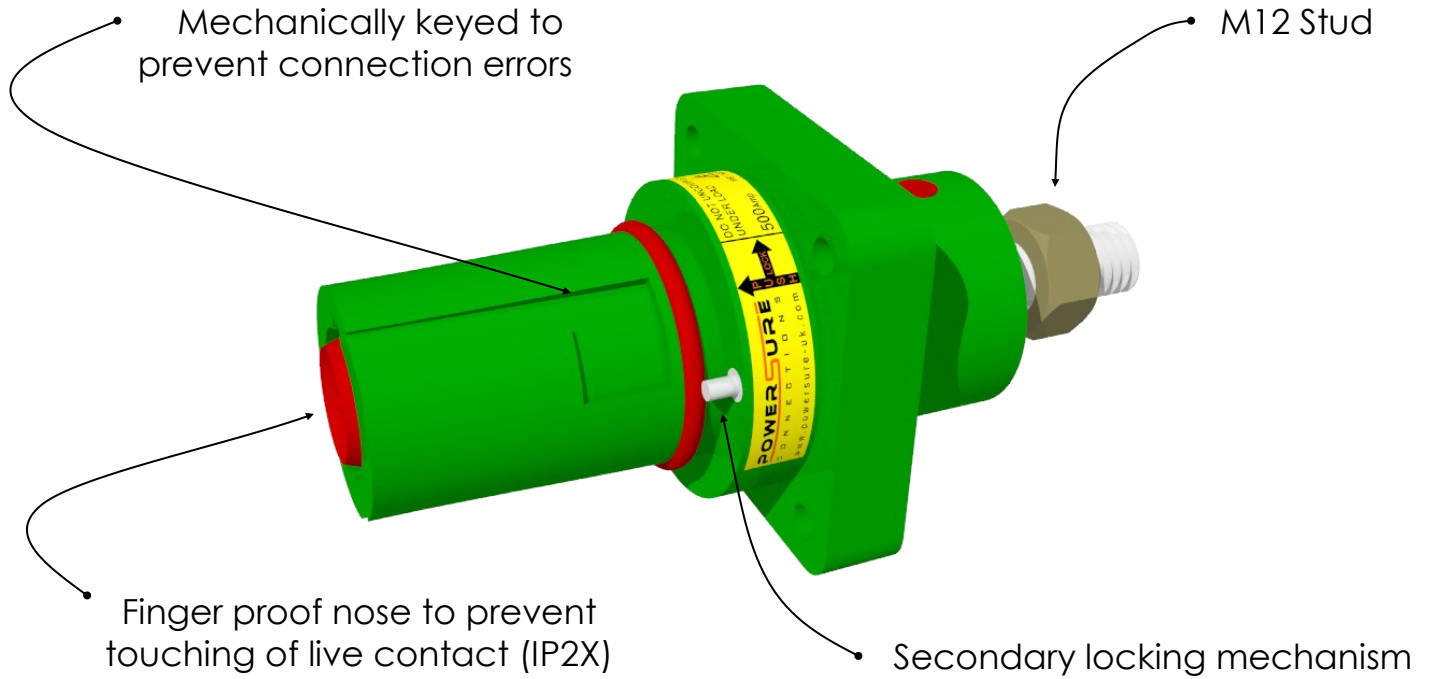
Ordering Code (See pg. 9)	LSP500PDXE	LSP800PDXE
Maximum Current Rating	500A	800A
Suitable Cable Size	25mm ² to 150mm ²	185mm ² to 300mm ²
Contact Type	M12 Stud	M12 Stud
Voltage Rating	1000Vac	
Operating Temperature	-35°C to 125°C	
IP Rating	IP67 (when mated)	
Flammability	UL94-VO	

PANEL SOURCE DIMENSIONS (MM)



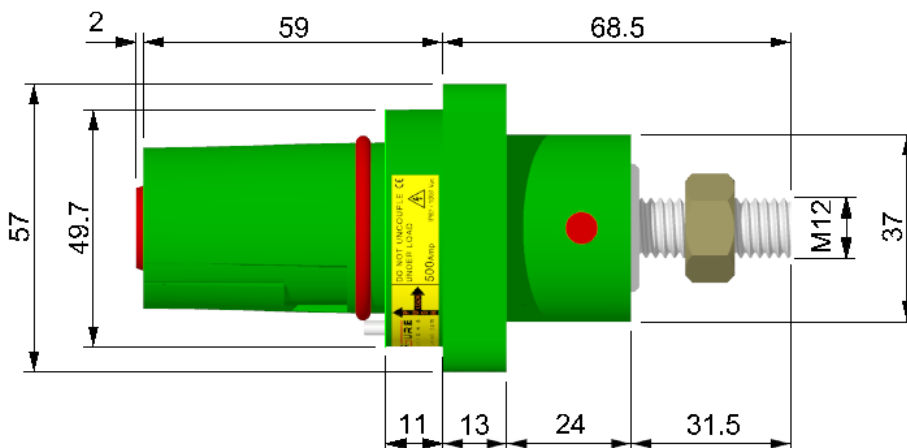
PANEL SOURCE CUT-OUT (MM)



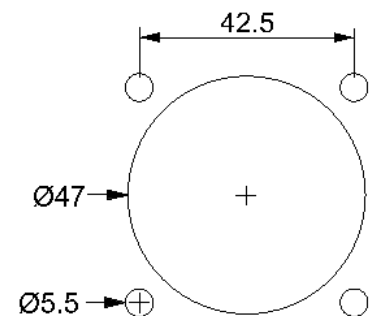


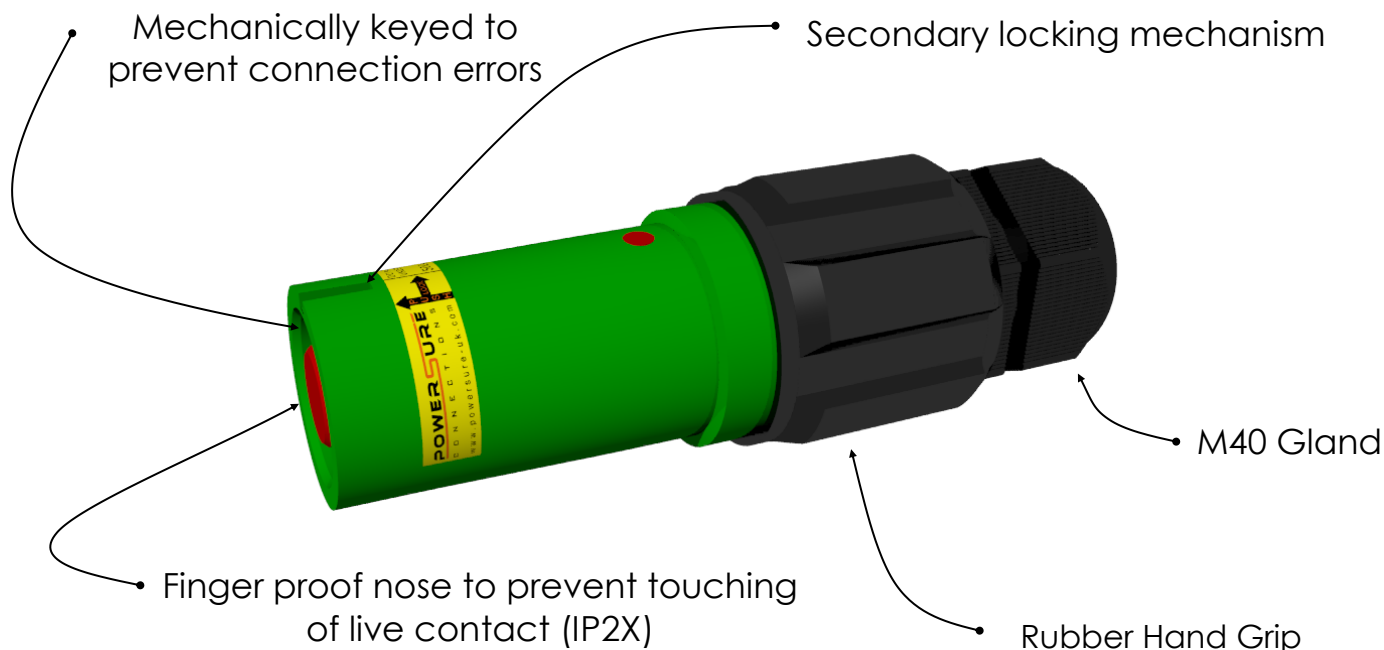
Ordering Code (See pg. 9)	LSP500PDXE	LSP800PDXE
Maximum Current Rating	500A	800A
Suitable Cable Size	25mm ² to 150mm ²	185mm ² to 300mm ²
Contact Type	M12 Stud	M12 Stud
Voltage Rating	1000Vac	
Operating Temperature	-35°C to 125°C	
IP Rating	IP67 (when mated)	
Flammability	UL94-VO	

PANEL DRAIN DIMENSIONS (MM)



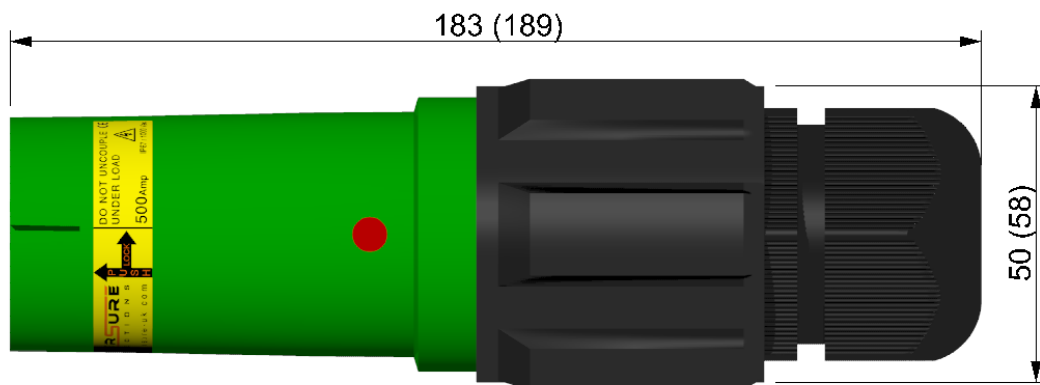
PANEL DRAIN CUT-OUT (MM)

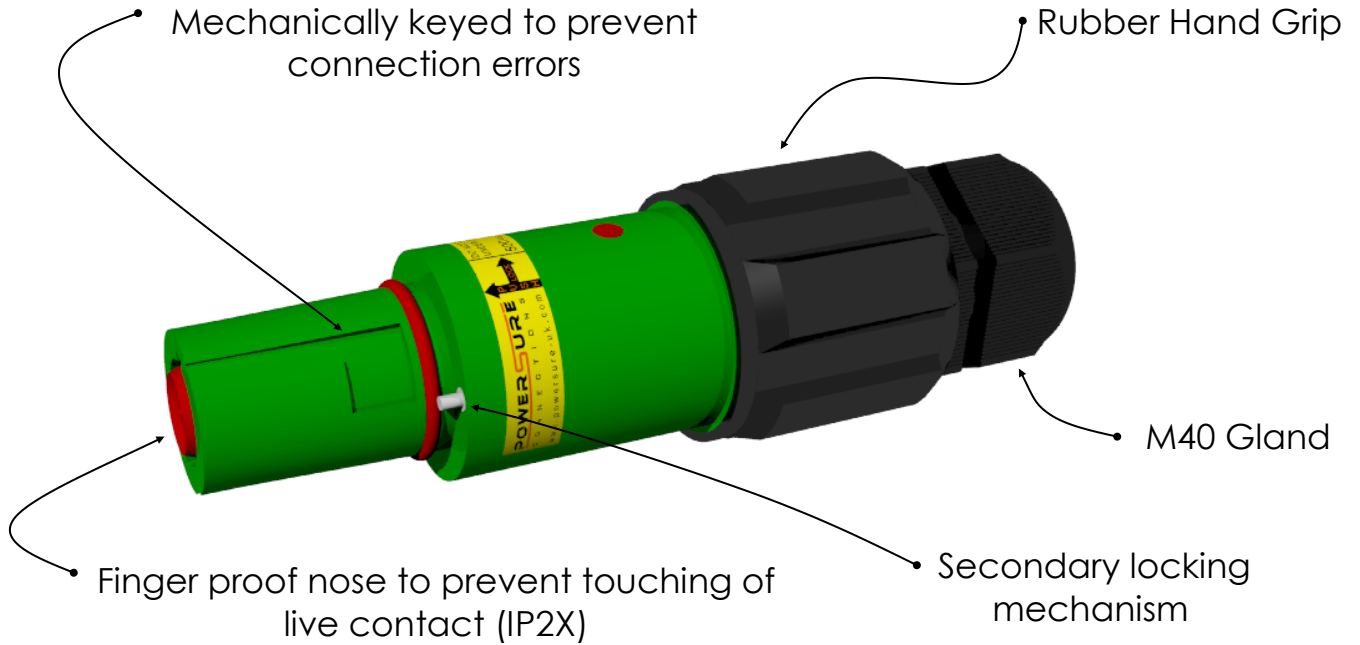




Ordering Code (See pg. 9)	LSP500LSXE	LSP800LSXE
Maximum Current Rating	500A	800A
Suitable Cable Size	25mm ² to 150mm ²	185mm ² to 300mm ²
Contact Type	Set Screw (Contact reduction ferrules required for cable <150mm ²)	Hex Crimp
Gland Type	M40A	M40B
Gland Clamping Range	10mm (with reduction bush) to 28mm	22mm to 32mm
Voltage Rating	1000Vac	
Operating Temperature	-35°C to 125°C	
IP Rating	IP67 (when mated)	
Flammability	UL94-VO	

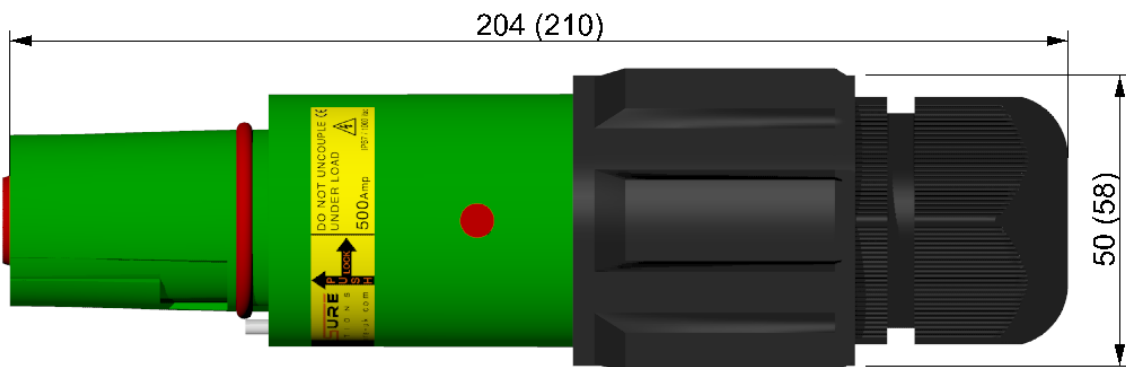
LINE SOURCE DIMENSIONS (MM)

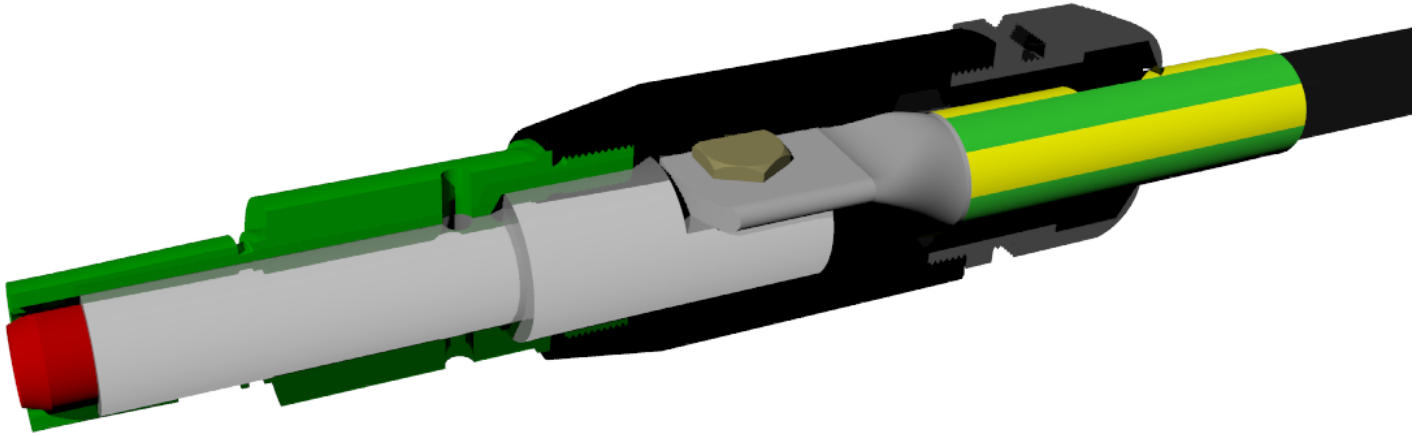




Ordering Code (See pg. 9)	LSP500LDXE	LSP800LDXE
Maximum Current Rating	500A	800A
Suitable Cable Size	25mm ² to 150mm ²	185mm ² to 300mm ²
Contact Type	Set Screw (Contact reduction ferrules required for cable <150mm ²)	Hex Crimp
Gland Type	M40A	M40B
Gland Clamping Range	10mm (with reduction bush) to 28mm	22mm to 32mm
Voltage Rating	1000Vac	
Operating Temperature	-35°C to 125°C	
IP Rating	IP67 (when mated)	
Flammability	UL94-VO	

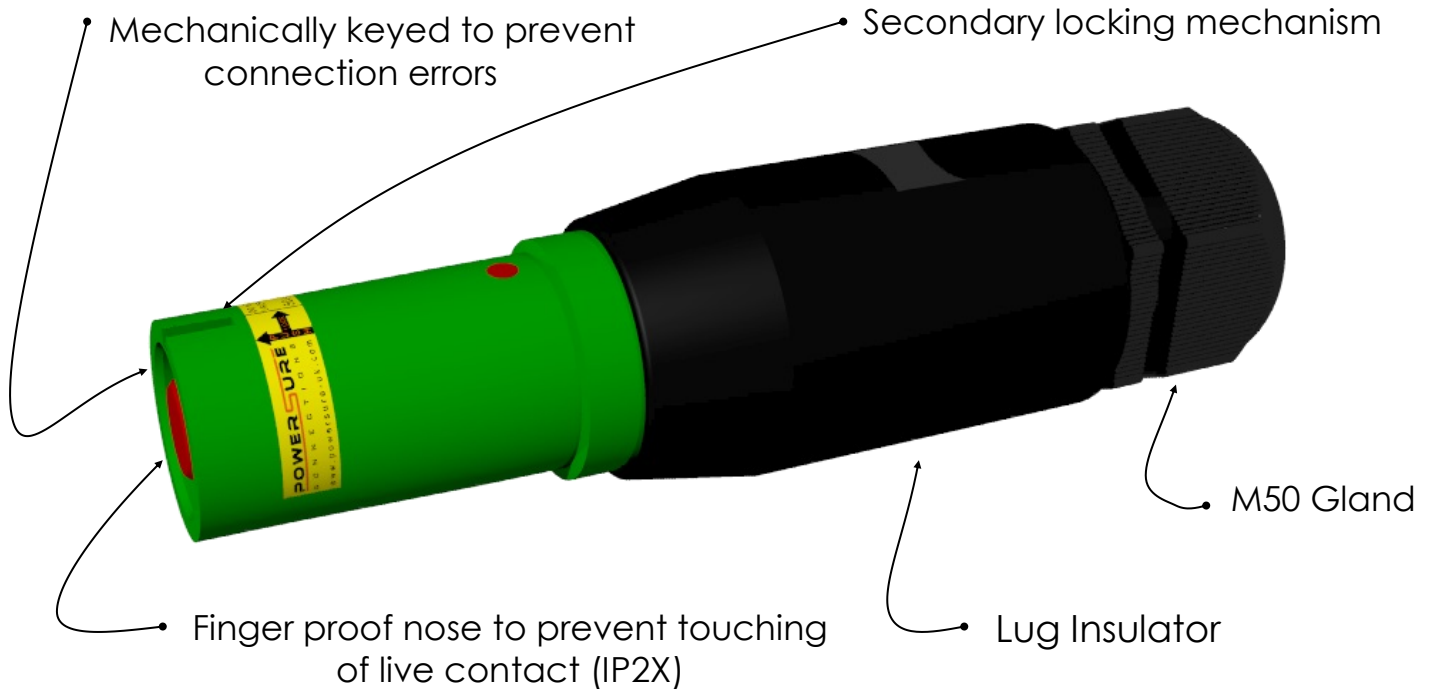
LINE DRAIN DIMENSIONS (MM)





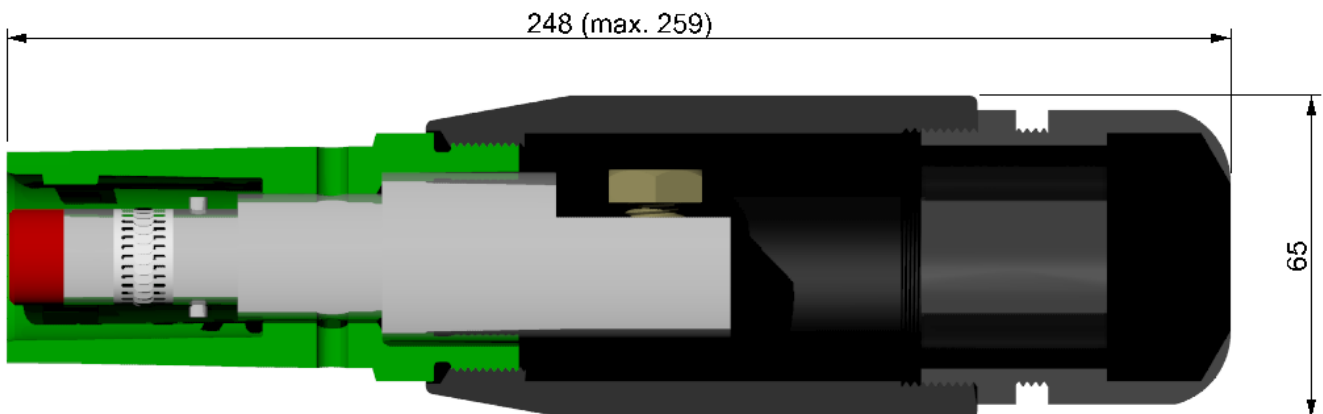
The Powersure lug converter allows an operator to convert a lugged cable into a Powersure LSP connector. The process is quick & easy, facilitating a safe connection to your equipment.

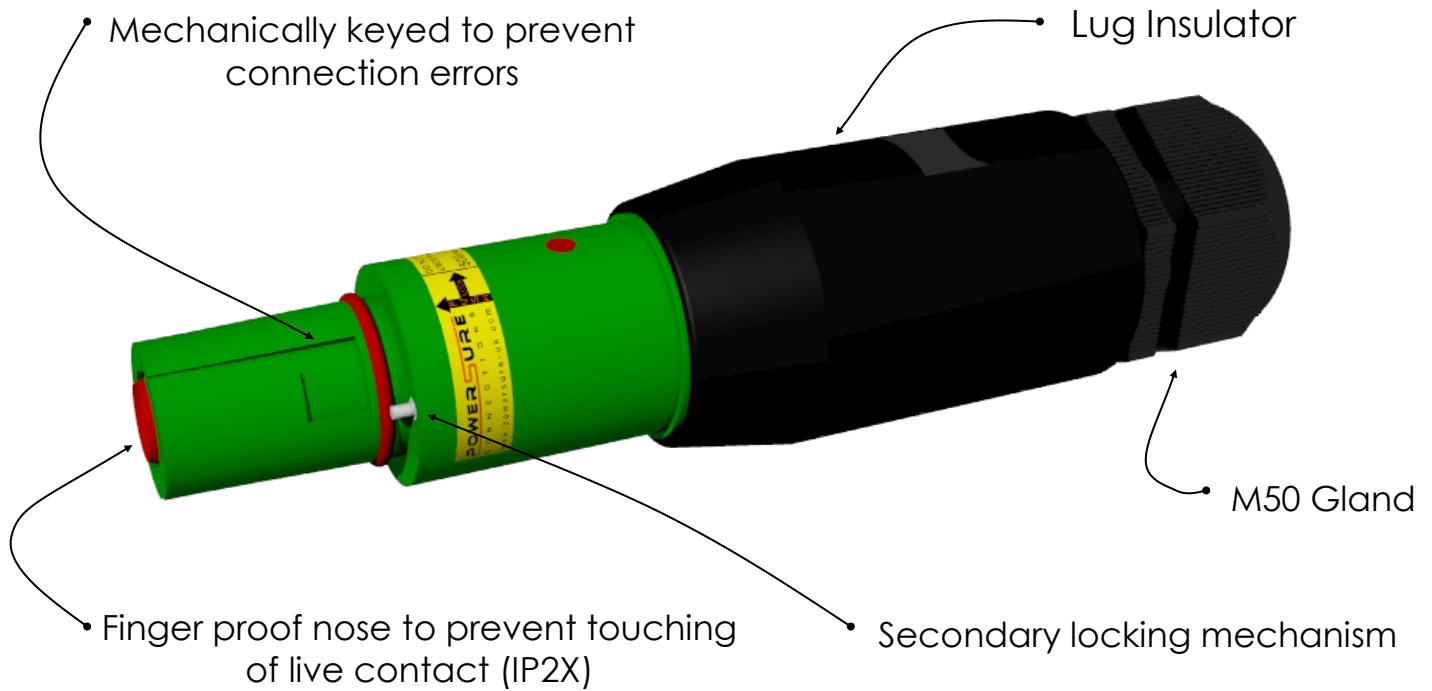
The Powersure Lug converter is useable on a wide range of cable sizes, from 25mm to 300mm & when you have finished using it you simply detach the lugged cable from the converter with no damage to either. The Powersure Lug converter is then ready to use again & again!



Ordering Code (See pg. 9)	LSP800CSXE
Maximum Current Rating	800A
Suitable Cable Size	25mm ² to 300mm ²
Contact Type	M12 Bolt
Gland Type	M50A
Gland Clamping Range	10mm (with reduction bush) to 35mm
Voltage Rating	1000Vac
Operating Temperature	-35°C to 125°C
IP Rating	IP67 (when mated)
Flammability	UL94-VO

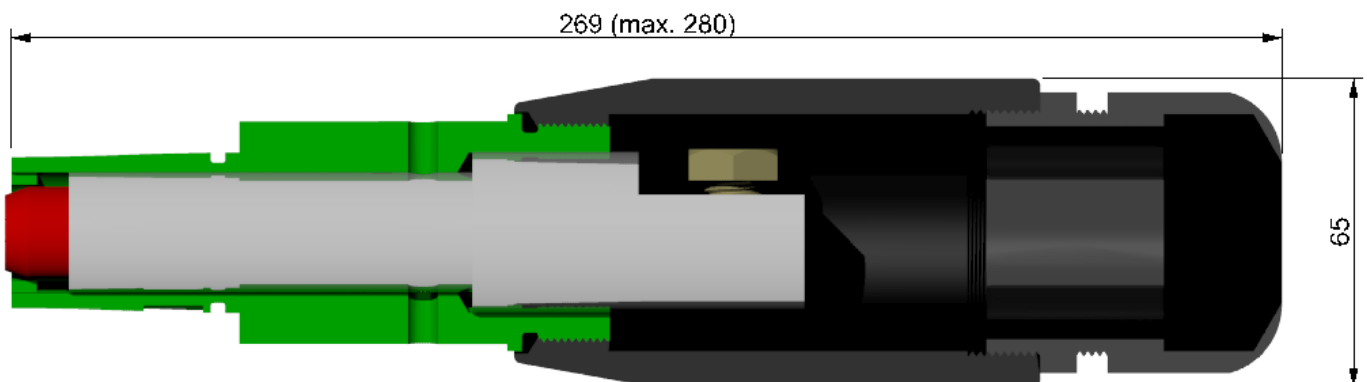
CONVERTER SOURCE DIMENSIONS (MM)





Ordering Code (See pg. 9)	LSP800CDXE
Maximum Current Rating	800A
Suitable Cable Size	25mm ² to 300mm ²
Contact Type	M12 Bolt
Gland Type	M50A
Gland Clamping Range	10mm (with reduction bush) to 35mm
Voltage Rating	1000Vac
Operating Temperature	-35°C to 125°C
IP Rating	IP67 (when mated)
Flammability	UL94-VO

CONVERTER DRAIN DIMENSIONS (MM)



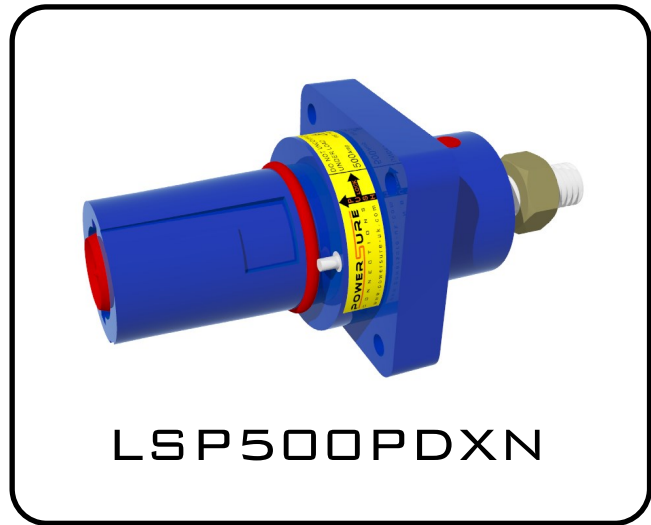
LSP

Represents the Powersure LSP Product Series

500

Current rating;

- 500A
- 800A











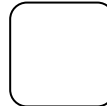






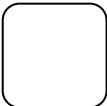








PD

Connector model;

- Panel Drain (PD)
- Panel Source (PS)
- Line Drain (LD)
- Line Source (LS)
- Converter Drain (CD)
- Converter Source (CS)

XN

REGION		EUROPE	AUSTRALIA	USA	UK (PRE-2004 IEE)
REGION CODE					
		X	Y	Z	U
EARTH	E				
NEUTRAL	N				
PHASE 1	L 1				
PHASE 2	L 2				
PHASE 3	L 3				

LEAD ASSEMBLY

THE RIGHT SIZE

We can supply the cable suitable to your needs in both size and length from short tail to long lead.

THE RIGHT CONNECTION

We can supply Assembled Leads with any combination of; Line Drain Connector, Line Source Connector, Lug or Loose end to suit your needs.

THE RIGHT COLOUR

Standard Assembled Lead Colours are Orange, Black, Red or Earth, although we can supply a wide range of colours to the customers requirements.

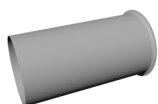
THE RIGHT BRANDING

Leads can be supplied with your company details printed along the length of the cable for quick and easy identification. (max. 60 Characters twice per m)

THE RIGHT CHOICE

Our years of experience in both cable and connectors, allows us to combine them for a high quality, reliable product.

POWERSURE
LEADS AND ASSEMBLIES



SET SCREW CONTACT REDUCTION FERRULES

SOURCE / DRAIN

F25 Reduction Ferrule - 25mm	LSP ACF LA 25
F35 Reduction Ferrule - 35mm	LSP ACF LA 35
F50 Reduction Ferrule - 50mm	LSP ACF LA 50
F70 Reduction Ferrule - 70mm	LSP ACF LA 70
F95 Reduction Ferrule - 95mm	LSP ACF LA 95
F120 Reduction Ferrule - 120mm	LSP ACF LA 12



DUST CAPS / ENVIRONMENTAL CAPS

SOURCE

DRAIN

Protective Push / Pull Plastic Dustcap			LSP AHD AS AA	LSP AHD AD AA
IP Environmental Caps	Earth	Green	LSP AHE AS XE	LSP AHE AD XE
IP Environmental Caps	Neutral	Blue	LSP AHE AS XN	LSP AHE AD XN
IP Environmental Caps	Neutral	Black	LSP AHE AS YN	LSP AHE AD YN
IP Environmental Caps	Neutral	White	LSP AHE AS ZN	LSP AHE AD ZN
IP Environmental Caps	Phase 1	Brown	LSP AHE AS X1	LSP AHE AD X1
IP Environmental Caps	Phase 1	Black	LSP AHE AS Z1	LSP AHE AD Z1
IP Environmental Caps	Phase 1	Red	LSP AHE AS U1	LSP AHE AD U1
IP Environmental Caps	Phase 2	Black	LSP AHE AS X2	LSP AHE AD X2
IP Environmental Caps	Phase 2	White	LSP AHE AS Y2	LSP AHE AD Y2
IP Environmental Caps	Phase 2	Brown	LSP AHE AS Z2	LSP AHE AD Z2
IP Environmental Caps	Phase 2	Yellow	LSP AHE AS U2	LSP AHE AD U2
IP Environmental Caps	Phase 3	Grey	LSP AHE AS X3	LSP AHE AD X3
IP Environmental Caps	Phase 3	Blue	LSP AHE AS Y3	LSP AHE AD Y3



HANDLING TOOLS

SOURCE / DRAIN

Secondary Lock Release Key	LSP AHK AS AA
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For more parts and accessories, Please visit;
www.powersureconnections.com