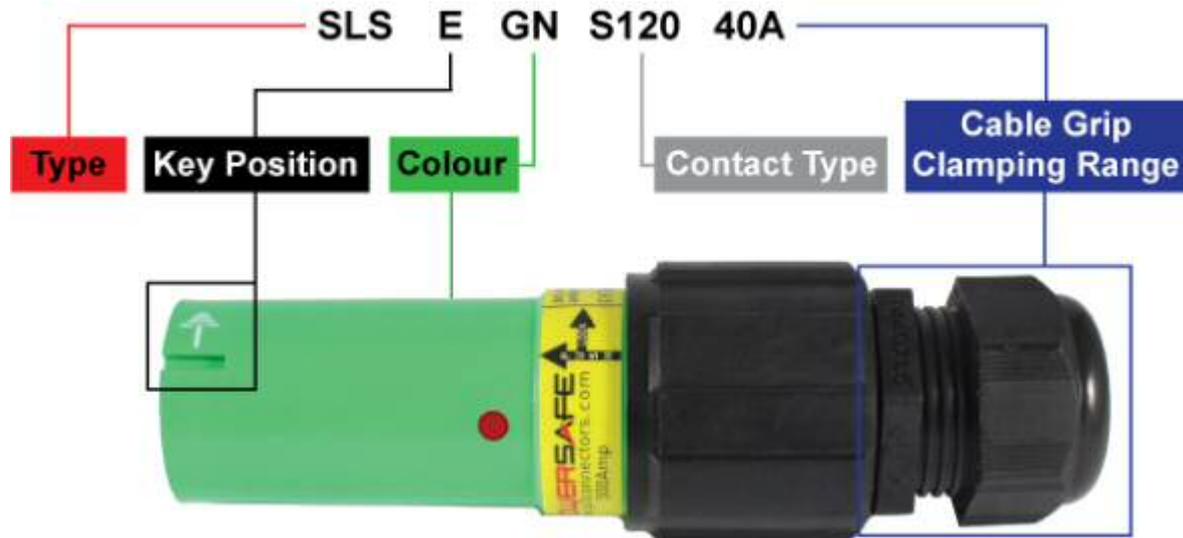


Powersafe: Part Numbers.



Type

The first component of a Phase 3 Powersafe connector is the connector **Type**.

SLS = Line Source

SLD = Line Drain

SPS = Panel Source

SPD = Panel Drain

Key Position and Colour

The individual keying used on the Powersafe series prevents the mating of different poles where individual connectors are used and also makes the innovative and safe system possible.

Crimp Contacts – 800 Amp

Phase 3 offers contacts to suit 10 cable cross-sectional areas (CSA) from 25mm² up to 300mm² with a crimp termination as standard (pictured below, right). The crimp contacts provide a more secure attachment to the cable; however, they are not re-useable.

Set Screw Contacts – 500 Amp

A set-screw termination is also available for 25-120mm² CSA cable (pictured above, left). A series of adapter bushings reduce the set-screw contact ID to suit the diameter of the cable being installed and certain cables of up to 150mm² can be installed in the S120 contact. Next month we will look at this in greater detail. The advantage of this type is a cost saving over the crimp version and the ability to re-use the contact.

Cable Grip Clamping Range

The final aspect of each Powersafe connector is the **Cable Grip Clamping Range**. Line connectors are available with a M40A or M40B cable gland to suit the cable diameters listed below.

M40A = 19-28mm
M40B = 22-32mm
M40S = 12-23mm Reduction Bush

Contact Type

The fourth consideration in a Powersafe part number is the **Contact Type**. The prefix C or S denotes the termination type and the numerals describe the cross-sectional area. The T5 and T8 Threaded Post contacts are fitted to Panel Drain and Panel Source connectors to suit 500 and 800 Amp applications respectively.

Crimp – 800 Amp	Set Screw – 500 Amp	Threaded Post
C25 = 25mm ²		
C35 = 35mm ²		
C50 = 50mm ²		
C70 = 75mm ²		
C95 = 95mm ²		
C120 = 120mm ²		
C150 = 150mm ²		
C185 = 185mm ²		
C240 = 240mm ²		T5 = 500A M12 x 1.75
C300 = 300mm ²	S120* = 25-120mm ²	T8 = 800A M12 x 1.75

Crimp Contacts – 800 Amp

Phase 3 offers contacts to suit 10 cable cross-sectional areas (CSA) from 25mm² up to 300mm² with a crimp termination as standard (pictured below, right). The crimp contacts provide a more secure attachment to the cable; however, they are not re-useable.



Set Screw Contacts – 500 Amp

A set-screw termination is also available for 25-120mm² CSA cable (pictured above, left). A series of adapter bushings reduce the set-screw contact ID to suit the diameter of the cable being installed and certain cables of up to 150mm² can be installed in the S120 contact. Next month we will look at this in greater detail. The advantage of this type is a cost saving over the crimp version and the ability to re-use the contact.

Cable Grip Clamping Range

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