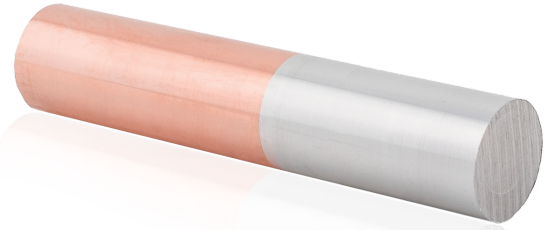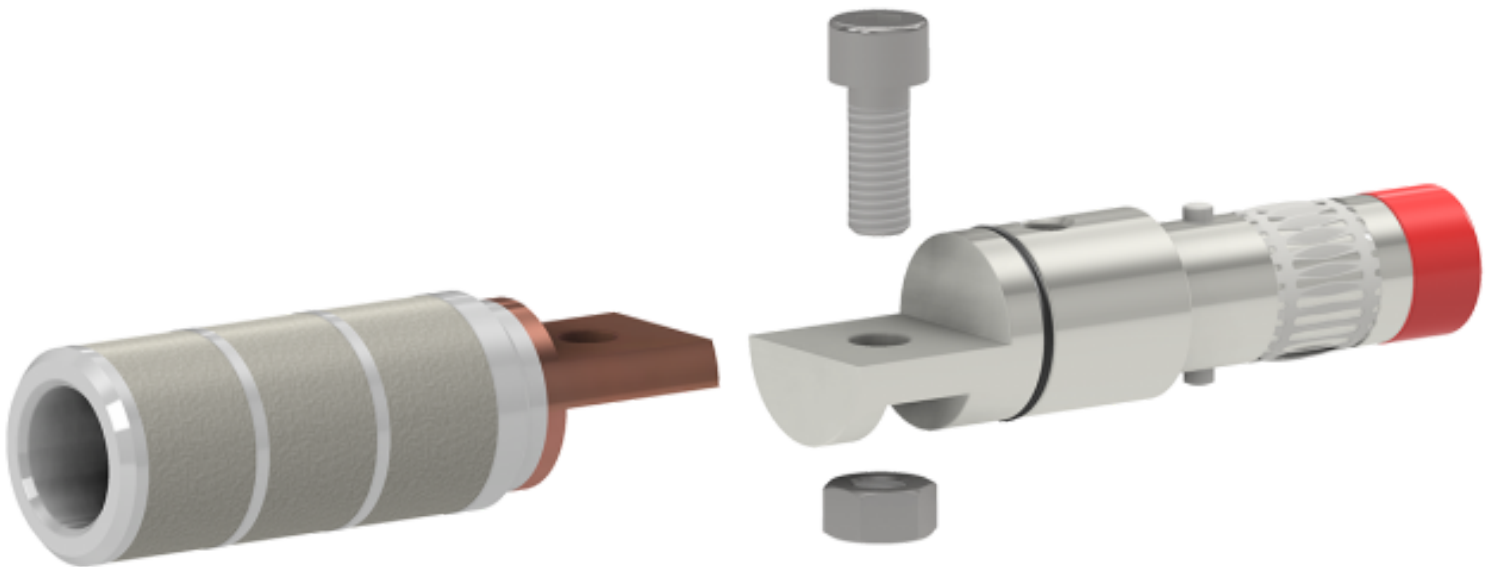# Bimetal contacts

for aluminium cables.

SPY EasiLug and SPV Bimetal
480 Amp

SPY EasiLug

A contact and lug system for aluminium cables

SPY EasiLug is a quick, safe and easy means to fit lug terminal single core aluminium cables into a classical PowerSyntax single pole connector. It combines the reliability of a lug termination cable with the convenience of

Advantages

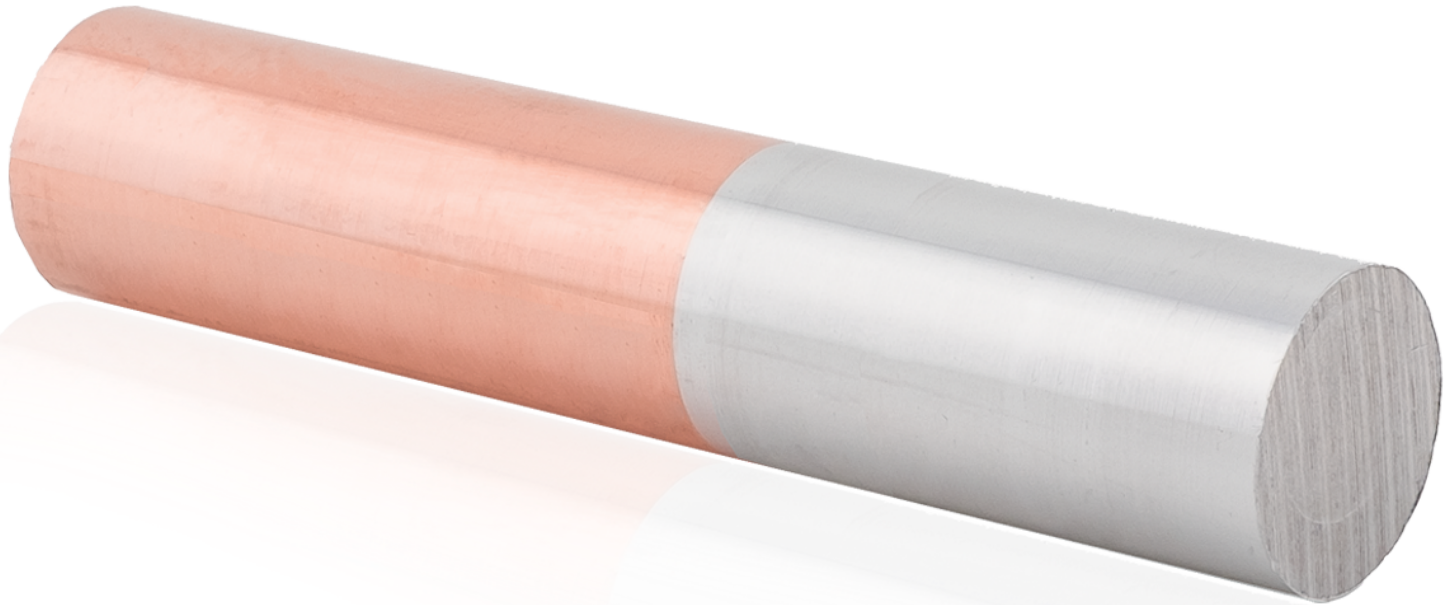| |
|---|
| Super quick assembly |
| Versions available for cables up to 300 mm² |
| Reusable to fit cables with different lengths |
| Grants electrical safety and easy phase identification without the need of other devices |
| Greater versatility than any other high power single pole connection |
| Lug terminal cables directly fitted into mechanically keyed, color coded PowerSyntax connectors |
| Less maintenance than cables fitted with set screws/sleeve systems, or crimped cables |
| Standardises the single pole connections, using the same connector's body as SPX/SPZ with crimp or set screw contacts |
| Quick connect cables with lug terminals into power distro devices equipped with PowerSyntax panel-mount connectors |

EasiLug aluminium terminal crimping specifications

Cable section (class 5)	120 mm²	150 mm²	185 mm²	240 mm²	300 mm²
Contact internal Ø	15 mm	16,5 mm	18,5 mm	21,3 mm	23,3 mm
Cable strip length (pic XX)	60 mm	60 mm	60 mm	60 mm	60 mm
No. of crimpings	3	3	3	3	3
Crimping width	14 mm	14 mm	14 mm	17 mm	17 mm
Crimp die set p/n	SBH-CRIMP-120AL	SBH-CRIMP-150AL	SBH-CRIMP-185AL	SBH-CRIMP-240AL	SBH-CRIMP-300AL

crimp terminals are made of aluminium to allow corrosion-free termination on to aluminum cables.
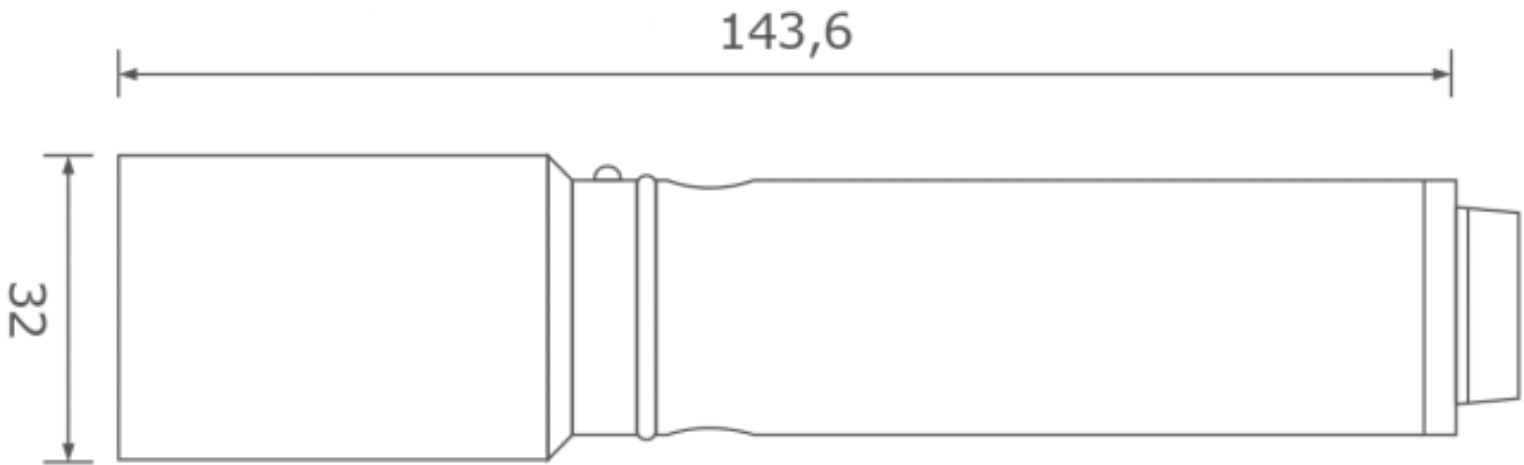
Since the PowerSyntax connectors were first introduced on the market, they have been used in a number of different applications from events to mobile generators to backup power systems. As well as improved safety compared to previous standards, for most users one of the main advantages of the PowerSyntax has been its quick and easy connection. SPX and SPZ standard PowerSyntax connectors are suitable to be used with various copper cable sections. For some applications, though, there has been a demand that these connectors may be used with aluminum cable. However, as the standard PowerSyntax connectors feature copper or copper based contacts, they should not be used for direct termination on to aluminum cables as galvanic corrosion and overheating may occur. The aluminum/copper bimetal contact of the SPV allows the use of the PowerSyntax connectors with aluminum cable, combining the advantages of this type of connection with the lighter weight associated with aluminum cable.
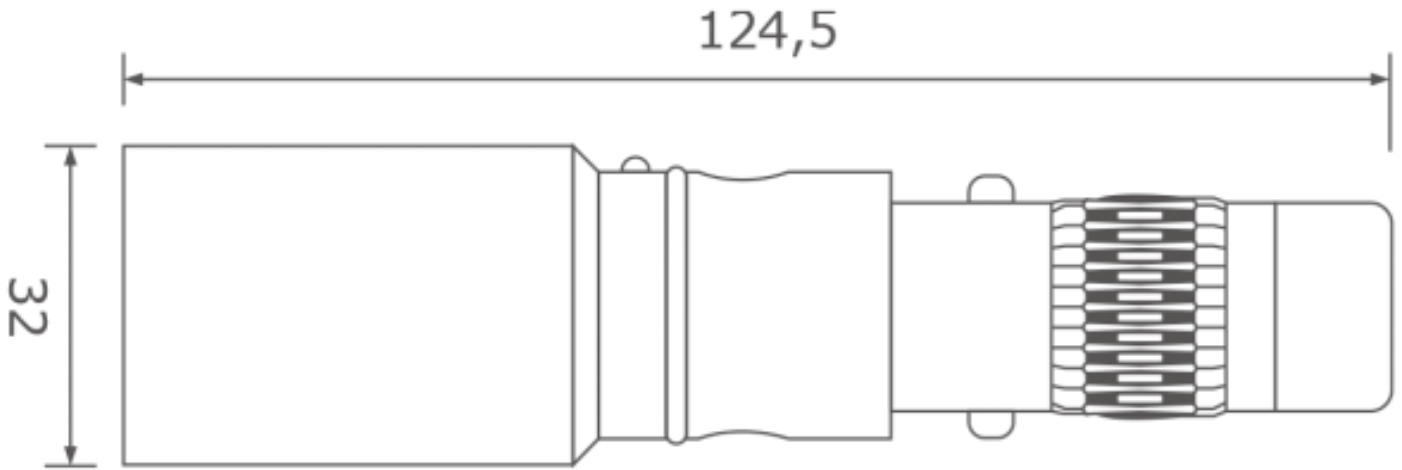
SPV 120 - 240 mm² | Line drain

480amp Drain contact | Crimp termination | For cable up to 240 mm²

143,6

32

SPV 120 - 240 mm² | Line source

480amp Source contact | Crimp termination | For cable up to 240 mm²

SPV aluminium lug terminal crimping specifications

Lug model	120 mm²	150 mm²	185 mm²	240 mm²	300 mm²
Contact internal Ø	15 mm	16,5 mm	18,5 mm	21,3 mm	23,3 mm
Cable strip length (L)	42 mm	42 mm	42 mm	42 mm	42 mm
No. of crimpings	2	2	2	2	2
Crimping width	14 mm	14 mm	14 mm	17 mm	17 mm
Crimp die set p/n	SBH-CRIMP-120AL	SBH-CRIMP-150AL	SBH-CRIMP-185AL	SBH-CRIMP-240AL	SBH-CRIMP-300AL

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