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SCC Series Catalogue

Copper Bar Clamp

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**OUR AIM IS TO
MAKE ELECTRICAL APPLICATION EASY,
SAFETY AND BETTER.**



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✓
RoHS

ABOUT SEC

SEC (Strong Electric Co., Ltd) is the company who focus on new technology, innovation, R&D. Our team already engaged the electric field for more than 25 years before we start the SEC company. Our aim is to make electrical application easy, safety and better. Now SEC have full series of facilities including plastic injection machine, punching machine, laser printing machine, packing machine etc. We are manufacturing SAT series Al/Cu universal terminal block and SCC series copper bar clamp which got patent certificate with unique design. The product now got TUV mark, CB, CE, UKCA, RoHS certificate. Our product are widely selling to Norway, Sweden, Germany, Netherlands, etc countries. With high quality products and the best service for past decades of years, we are fully confidence to build a long terms cooperation ship with all kinds of clients and try best to supply best solutions.

Now we still on the way to be better, and let's joint together to build a better future and better life.

Connect the safety, connect the future!

WENZHOU STRONG ELECTRIC
CO.,LTD.

SCC Series

Copper Bar Clamp





SCC Series Copper Bar Clamp



General:

SCC series copper bar clamp were designed for panel system and specially for isolation panel solution which offers the most safety installation features. All the range of product with TUV, CB, CE, UKCA, RoHS approval.

Technical features:

- Isolated design which is more safety;
- Different color of cover which can indicate different line easily.
- Product gave one incoming and two outgoing which are more flexible for application;
- Reliable housing material polyamide V-0 (PA);

Conformity



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Standards

IEC/EN 60947-7-1

Technical information

Incoming:	Copper bar thickness 3/4/5/6/8/10 mm
Outgoing:	Cable size 1.5 mm ² - 6.0 mm ² 1.5 mm ² - 16 mm ² 2.5 mm ² - 35 mm ² 2.5 mm ² - 50 mm ² 6.0 mm ² - 70 mm ²

Nominal current:

Incoming current:	80, 100, 135, 160, 250 A
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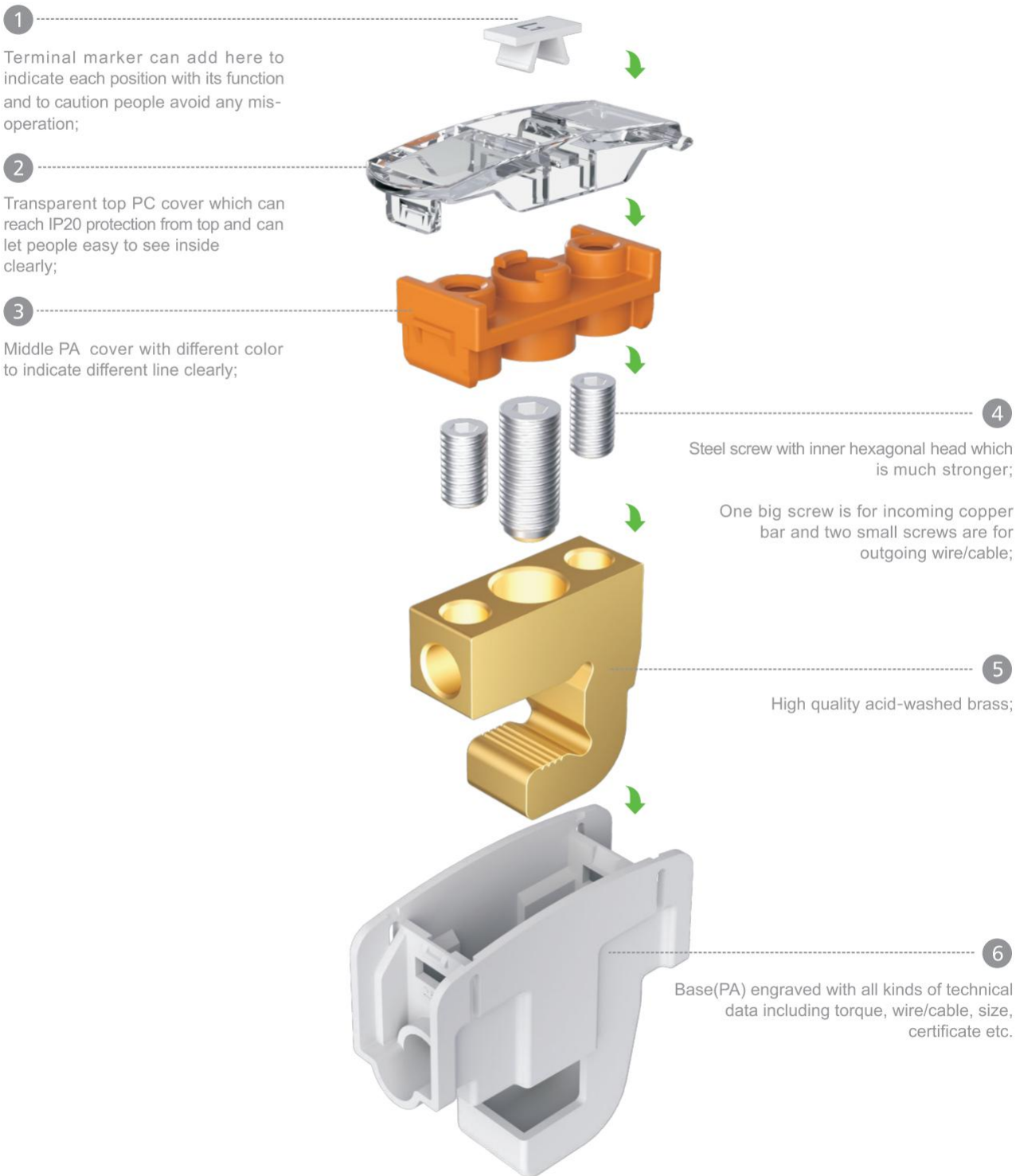
Material

Housing:	Flame Retardant Polyamide (PA) V-0 (PA Halogen-free)
Metal body:	Brass
Screws:	Steel hexagonal screws

Mechanical features

Screw heads:	Hexagonal
Mounting:	Screw mounting on copper bar which thickness up to 10mm;

Structure



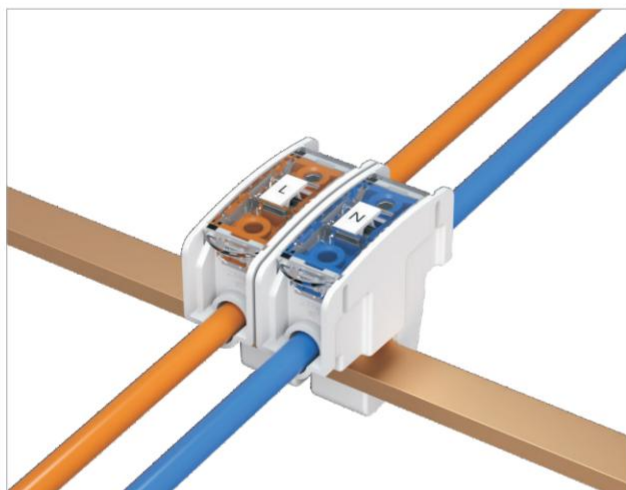
Model Specification

SCC	06	1
Product Series	Outgoing conductor cross section area	Middle cover's color
	06 mm ²	1 Brown (L1)
	16 mm ²	2 Black (L2)
	35 mm ²	3 Grey (L3)
	50 mm ²	N Blue (Neutral)
	70 mm ²	E Yellow/Green (PE)

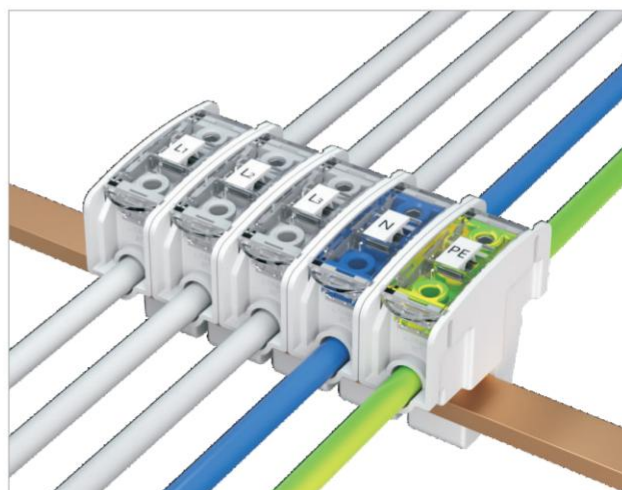
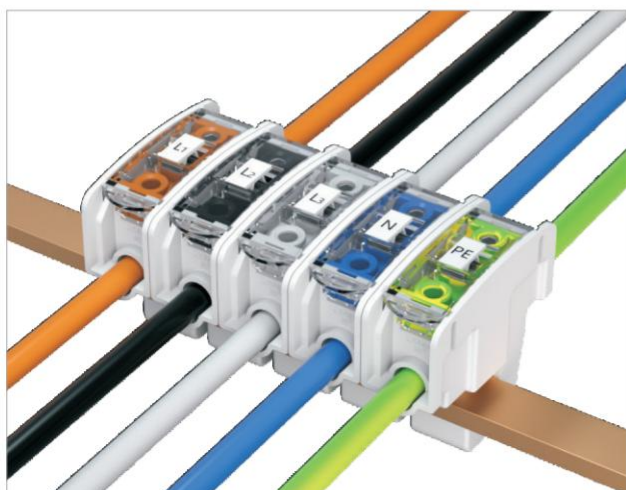


Application in Europe

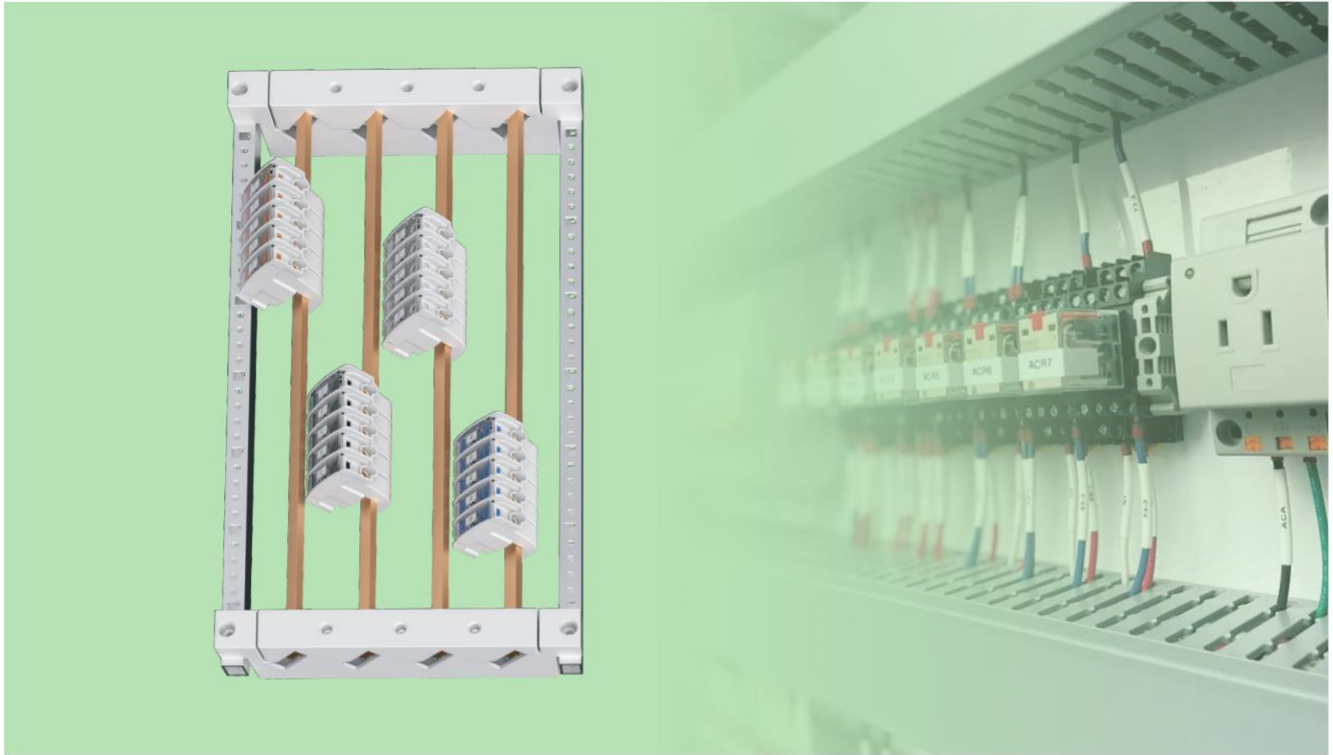
Application	Color		Mark	Indication
	New regulation	Old regulation		
AC-Single Phase	Brown	Grey	L	Single Phase Line
	Blue	Blue	N	Neutral



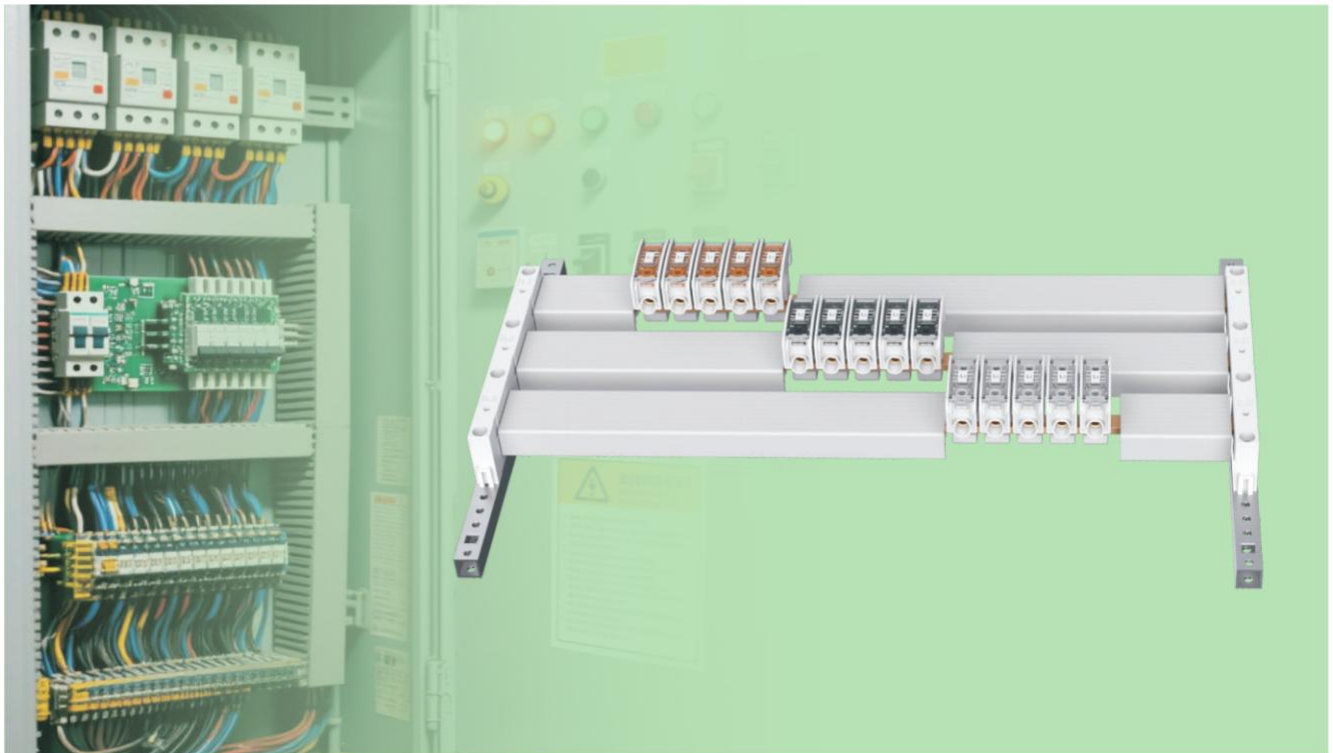
Application	Color		Mark	Indication
	New regulation	Old regulation		
AC-Three Phase	Brown	Grey	L1	Three Phase Line 1
	Black	Grey	L2	Three Phase Line 2
	Grey	Grey	L3	Three Phase Line 3
	Blue	Blue	N	Neutral
	Yellow/Green	Yellow/Green	PE	Protective Earth or Ground



Vertical copper bar system

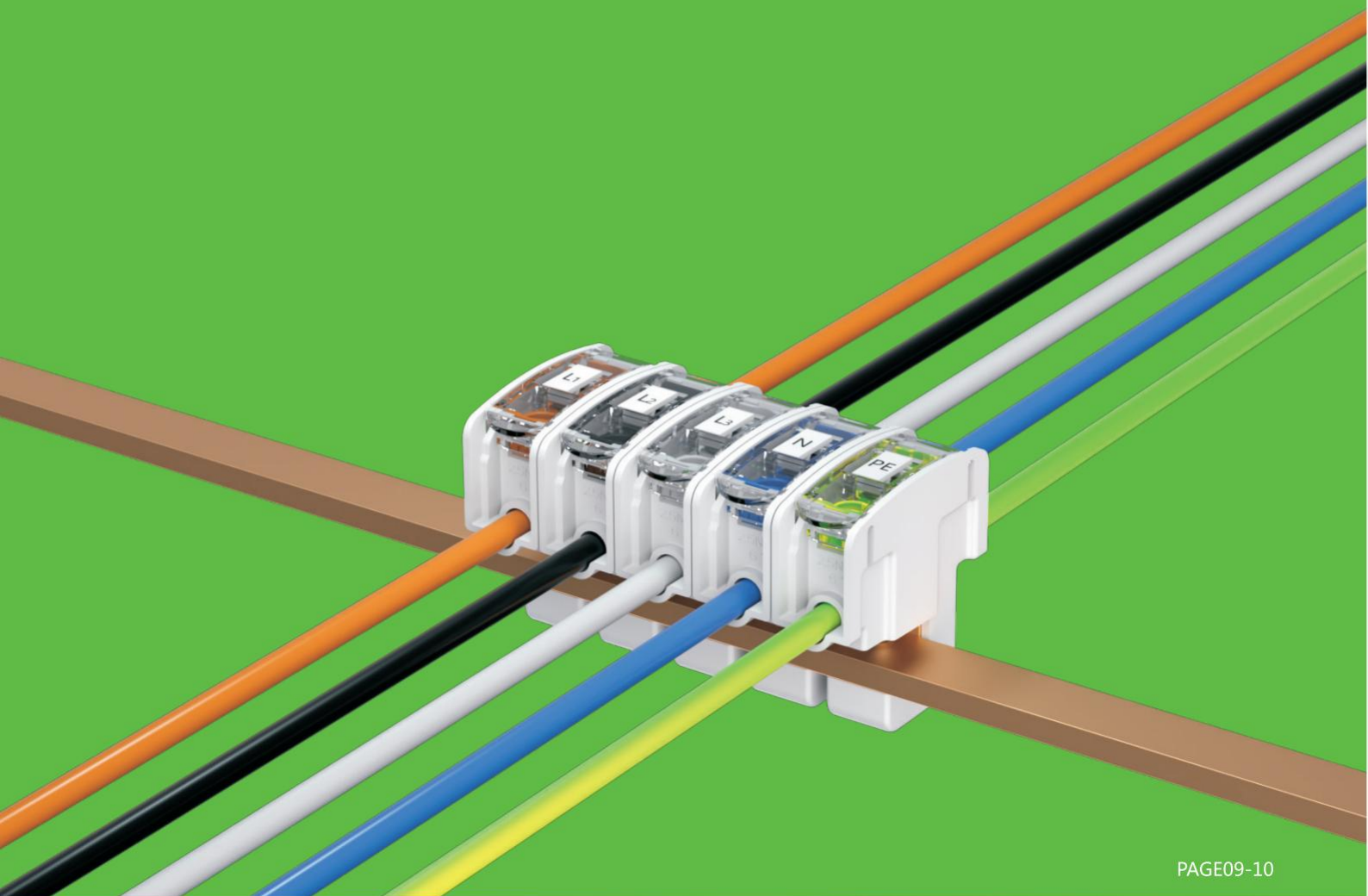


Horizontal copper bar system



SCC06

SCC series
Copper Bar Clamp 06mm²



SCC series Copper Bar Clamp **06mm²**



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Technical data

Product type	SCC061.....(Brown)
	SCC062.....(Black)
	SCC063.....(Gray)
	SCC06N.....(Blue)
	SCC06E.....(Yellow/Green)
Standards	IEC/EN 60947-7-1
Conductor cross-section (mm ²)	1.5-6 mm ²
Nominal voltage Cu (V)	1000 V
Nominal current CU (A)	80 A

Certificate

TUV MARK, CB, CE, UKCA, RoHS

Material

Terminal body	Brass
Housing	Polyamide V-0 (PA Halogen-free)
Screw	Steel hexagonal screw
Flame resistance	Self-extinguishing

Assemble

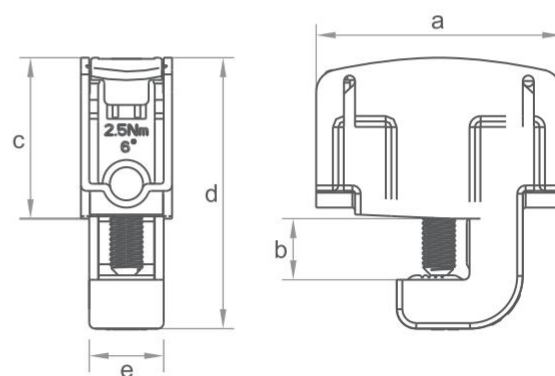
Incoming 1* Copper bar	Copper bar maximum thickness 3/4/5/6/8/10 mm	
	Clamping screw for busbar connection	
	Hexagonal screw	M6 * 18 mm
	Tightening torque	3 Nm



Outgoing 2*6mm ² cable/wire		1.5 – 6 mm ² , round conductor Cu (solid wire and multi wire)	
		1.5 – 4 mm ² , stranded wire with ferrule	
		Hexagonal screw	M5 * 8 mm
		Tightening torque	2.5 Nm
		Stripping length	12 mm

Mechanical data

Dimensions	a	44.2 mm
	b	11 mm
	c	29 mm
	d	48.8 mm
	e	13.2 mm



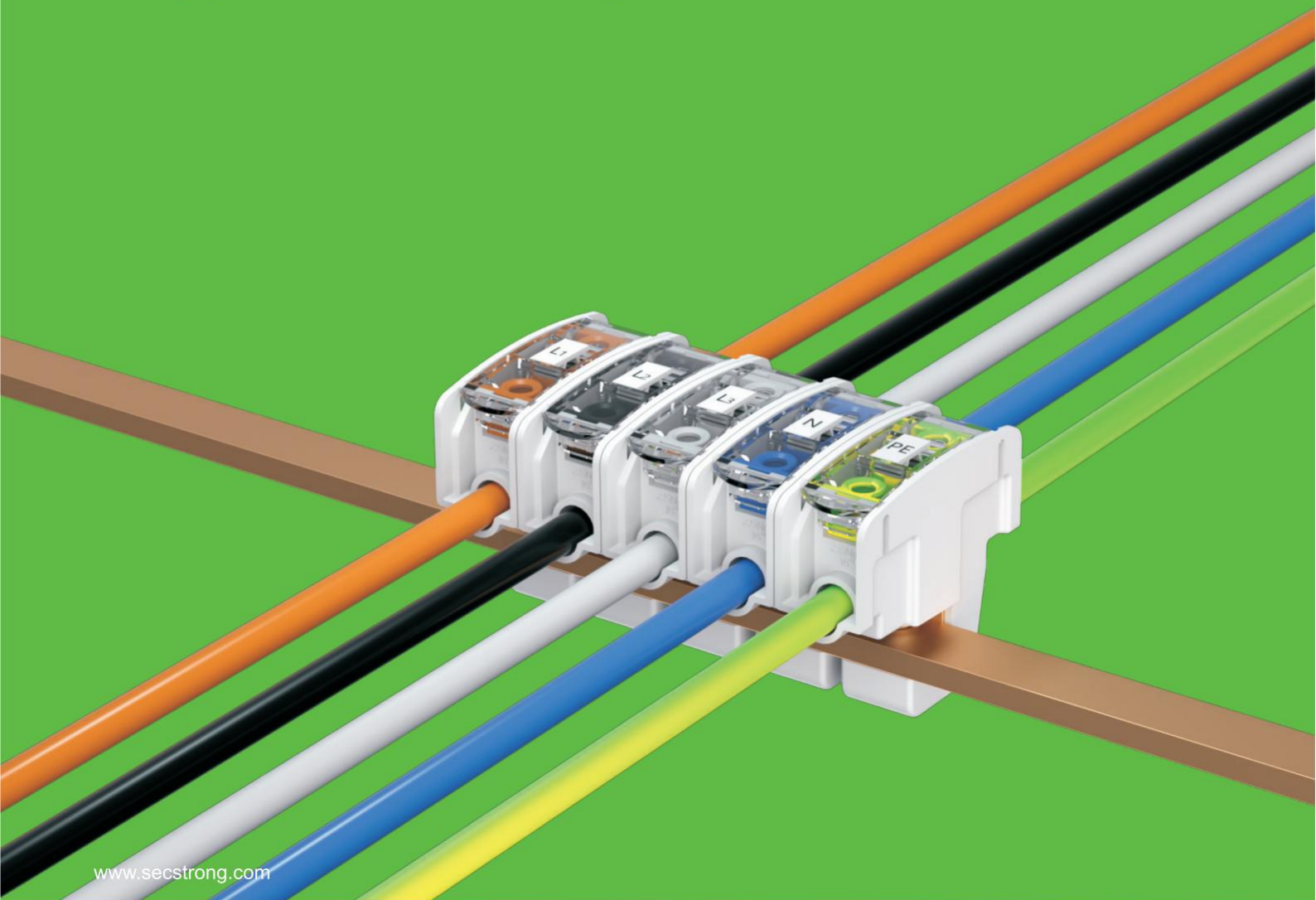
Product list

Type	Color	Mark	Indication	Product code	Mounting
SCC061	Brown	L1	Line 1	2025031111	Screw mounting for Copper bar thickness up to 10 mm
SCC062	Black	L2	Line 2	2025031112	Screw mounting for Copper bar thickness up to 10 mm
SCC063	Grey	L3	Line 3	2025031113	Screw mounting for Copper bar thickness up to 10 mm
SCC06N	Blue	N	Neutral	2025031114	Screw mounting for Copper bar thickness up to 10 mm
SCC06E	Yellow/Green	PE	Protective Earth or Ground	2025031115	Screw mounting for Copper bar thickness up to 10 mm

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SCC16

SCC series
Copper Bar Clamp 16mm²



SCC series Copper Bar Clamp **16mm²**



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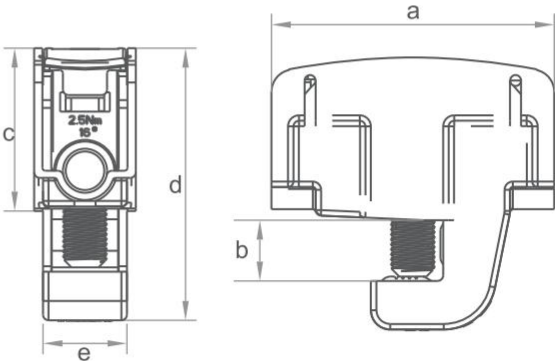


Technical data		
Product type	SCC161.....(Brown)	
	SCC162.....(Black)	
	SCC163.....(Gray)	
	SCC16N.....(Blue)	
	SCC16E.....(Yellow/Green)	
Standards	IEC/EN 60947-7-1	
Conductor cross-section (mm ²)	1.5-16 mm ²	
Nominal voltage Cu (V)	1000 V	
Nominal current CU (A)	100 A	
Certificate		
	TUV MARK, CB, CE, UKCA, RoHS	
Material		
Terminal body	Brass	
Housing	Polyamide V-0 (PA Halogen-free)	
Screw	Steel hexagonal screw	
Flame resistance	Self-extinguishing	
Assemble		
Incoming 1*Copper bar	Copper bar maximum thickness 3/4/5/6/8/10 mm	
	Clamping screw for busbar connection	
	Hexagonal screw	M8 * 20 mm
	Tightening torque	4 Nm



Outgoing 2*16mm ² cable/wire	1.5 – 16 mm ² , round conductor Cu (solid wire and multi wire)	
	1.5 – 10 mm ² , stranded wire with ferrule	
	Hexagonal screw	M6 * 10 mm
	Tightening torque	2.5 Nm
	Stripping length	14 mm

Mechanical data		
Dimensions	a	51.2 mm
	b	11 mm
	c	29.5 mm
	d	49.3 mm
	e	15.2 mm



Product list						
Type	Color	Mark	Indication	Product code	Mounting	
SCC161	Brown	L1	Line 1	2025031116	Screw mounting for Copper bar thickness up to 10 mm	
SCC162	Black	L2	Line 2	2025031117	Screw mounting for Copper bar thickness up to 10 mm	
SCC163	Grey	L3	Line 3	2025031118	Screw mounting for Copper bar thickness up to 10 mm	
SCC16N	Blue	N	Neutral	2025031119	Screw mounting for Copper bar thickness up to 10 mm	
SCC16E	Yellow/Green	PE	Protective Earth or Ground	2025031120	Screw mounting for Copper bar thickness up to 10 mm	

SCC35

SCC series
Copper Bar Clamp 35mm²



SCC series Copper Bar Clamp 35mm²



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Technical data

Product type	SCC351.....(Brown)
	SCC352.....(Black)
	SCC353.....(Gray)
	SCC35N.....(Blue)
	SCC35E.....(Yellow/Green)
Standards	IEC/EN 60947-7-1
Conductor cross-section (mm ²)	2.5-35 mm ²
Nominal voltage Cu (V)	1000 V
Nominal current CU (A)	135 A

Certificate

TUV MARK, CB, CE, UKCA, RoHS

Material

Terminal body	Brass
Housing	Polyamide V-0 (PA Halogen-free)
Screw	Steel hexagonal screw
Flame resistance	Self-extinguishing

Assemble

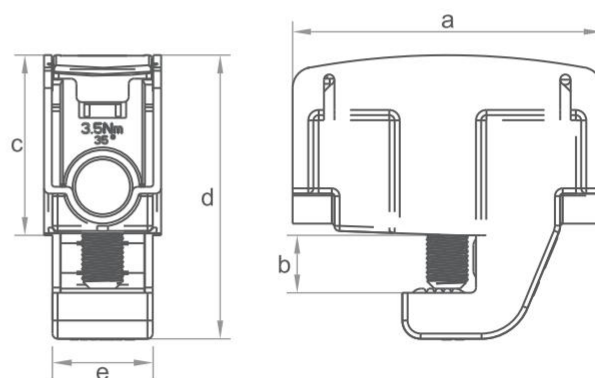
Incoming 1* Copper bar	Copper bar maximum thickness 3/4/5/6/8/10 mm	
	Clamping screw for busbar connection	
	Hexagonal screw	M8 * 20 mm
	Tightening torque	8 Nm



Outgoing 2*35mm ² cable/wire		2.5 – 35 mm ² , round conductor Cu (solid wire and multi wire)	
		2.5 – 25 mm ² , stranded wire with ferrule	
		Hexagonal screw	M8 * 13 mm
		Tightening torque	3.5 Nm
		Stripping length	18 mm

Mechanical data

Dimensions	a	59.2 mm
	b	11 mm
	c	34.5 mm
	d	54.3 mm
	e	19.2 mm



Product list

Type	Color	Mark	Indication	Product code	Mounting
SCC351	Brown	L1	Line 1	2025031121	Screw mounting for Copper bar thickness up to 10 mm
SCC352	Black	L2	Line 2	2025031122	Screw mounting for Copper bar thickness up to 10 mm
SCC353	Grey	L3	Line 3	2025031123	Screw mounting for Copper bar thickness up to 10 mm
SCC35N	Blue	N	Neutral	2025031124	Screw mounting for Copper bar thickness up to 10 mm
SCC35E	Yellow/Green	PE	Protective Earth or Ground	2025031125	Screw mounting for Copper bar thickness up to 10 mm

WENZHOU STRONG ELECTRIC
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SCC50

SCC series
Copper Bar Clamp 50mm²



SCC series Copper Bar Clamp **50mm²**


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Technical data

Product type	SCC501.....(Brown)
	SCC502.....(Black)
	SCC503.....(Gray)
	SCC50N.....(Blue)
	SCC50E.....(Yellow/Green)
Standards	IEC/EN 60947-7-1
Conductor cross-section (mm ²)	2.5-50 mm ²
Nominal voltage Cu (V)	1000 V
Nominal current CU (A)	160 A

Certificate

TUV MARK, CB, CE, UKCA, RoHS

Material

Terminal body	Brass
Housing	Polyamide V-0 (PA Halogen-free)
Screw	Steel hexagonal screw
Flame resistance	Self-extinguishing

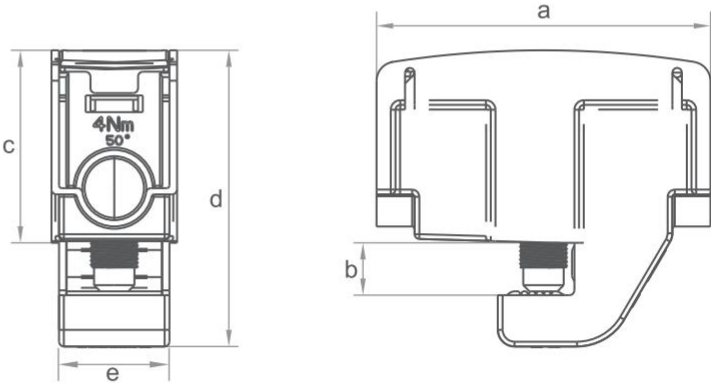
Assemble

Incoming 1*Copper bar	Copper bar maximum thickness 3/4/5/6/8/10 mm		
	Clamping screw for busbar connection		
	Hexagonal screw	M10 * 25 mm	
	Tightening torque	8 Nm	



Outgoing 2*50mm ² cable/wire		2.5 – 50 mm ² , round conductor Cu (solid wire and multi wire)	
		2.5 – 35 mm ² , stranded wire with ferrule	
		Hexagonal screw	M10 * 16 mm
		Tightening torque	4 Nm
		Stripping length	22 mm

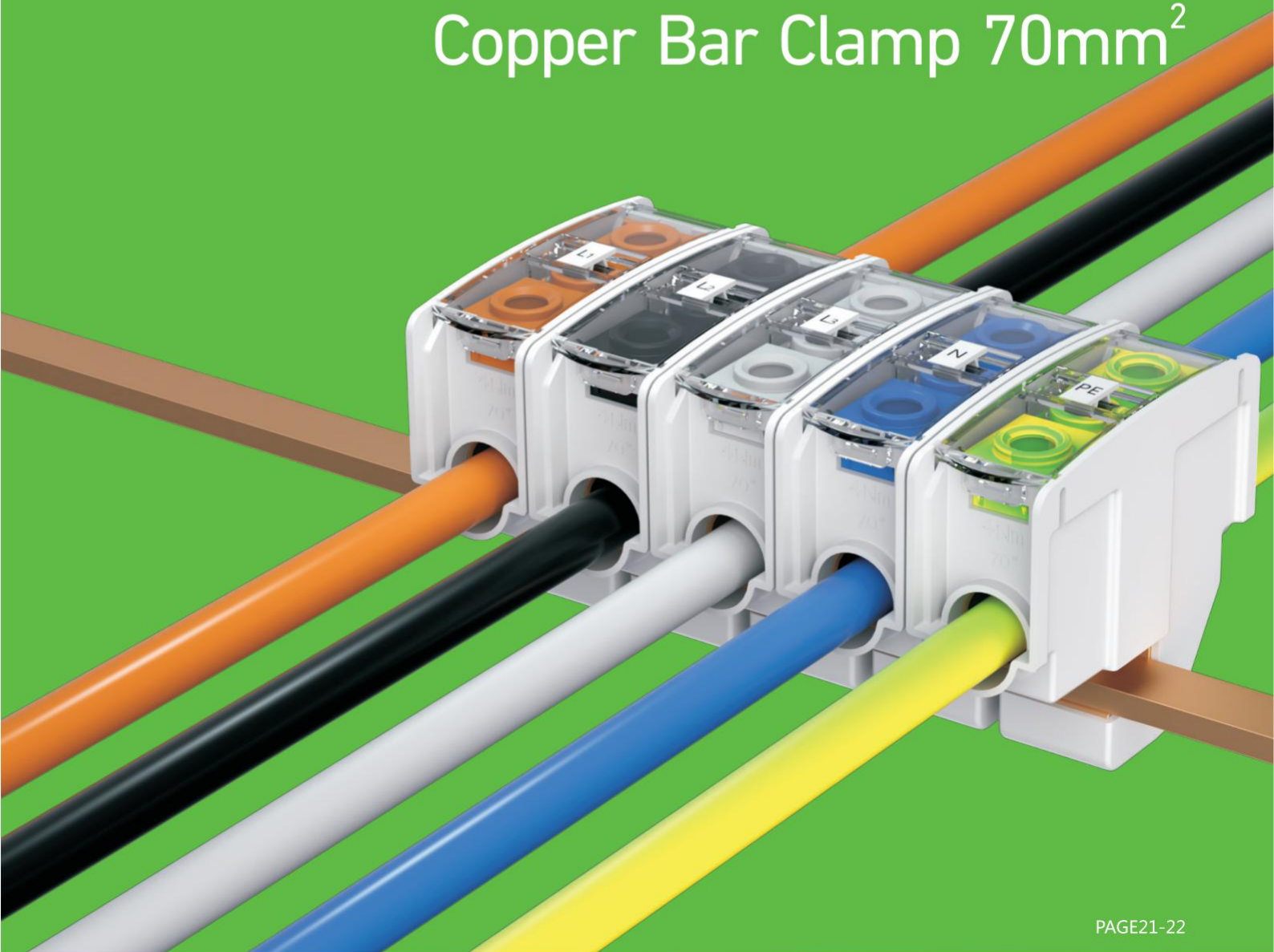
Mechanical data	
Dimensions	a 70.2 mm
	b 11 mm
	c 40.5 mm
	d 62.3 mm
	e 26.4 mm



Product list					
Type	Color	Mark	Indication	Product code	Mounting
SCC501	Brown	L1	Line 1	2025031128	Screw mounting for Copper bar thickness up to 10 mm
SCC502	Black	L2	Line 2	2025031127	Screw mounting for Copper bar thickness up to 10 mm
SCC503	Grey	L3	Line 3	2025031128	Screw mounting for Copper bar thickness up to 10 mm
SCC50N	Blue	N	Neutral	2025031129	Screw mounting for Copper bar thickness up to 10 mm
SCC50E	Yellow/Green	PE	Protective Earth or Ground	2025031130	Screw mounting for Copper bar thickness up to 10 mm

SCC70

SCC series
Copper Bar Clamp 70mm²



SCC series Copper Bar Clamp **70mm²**



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Technical data

Product type	SCC701.....(Brown)
	SCC702.....(Black)
	SCC703.....(Gray)
	SCC70N.....(Blue)
	SCC70E.....(Yellow/Green)
Standards	IEC/EN 60947-7-1
Conductor cross-section (mm ²)	6-70 mm ²
Nominal voltage Cu (V)	1000 V
Nominal current CU (A)	250 A

Certificate

TUV MARK, CB, CE, UKCA, RoHS

Material

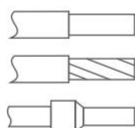
Terminal body	Brass
Housing	Polyamide V-0 (PA Halogen-free)
Screw	Steel hexagonal screw
Flame resistance	Self-extinguishing

Assemble

Incoming 1*Copper bar	Copper bar maximum thickness 3/4/5/6/8/10 mm	
	Clamping screw for busbar connection	
	Hexagonal screw	M10 * 35 mm
	Tightening torque	16 Nm



Outgoing
2*70mm² cable/wire



6 – 70 mm², round conductor Cu (solid wire and multi wire)

6 – 50 mm², stranded wire with ferrule

Hexagonal screw

M10 * 20 mm

Tightening torque

4 Nm

Stripping length

24 mm

Mechanical data

Dimensions

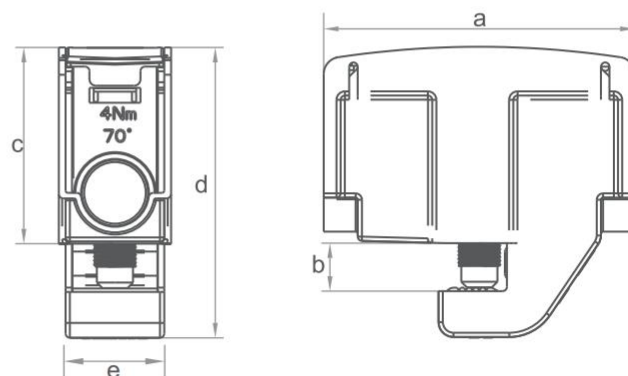
a 73.2 mm

b 11.0 mm

c 46.2 mm

d 68.3 mm

e 26.4 mm



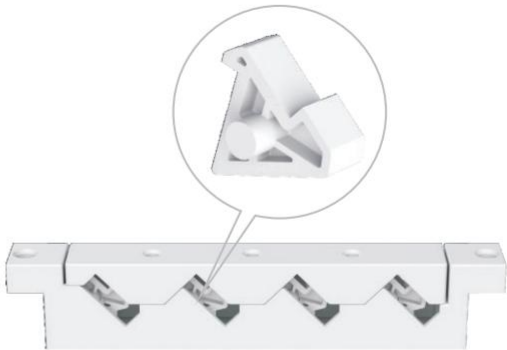
Product list

Type	Color	Mark	Indication	Product code	Mounting
SCC701	Brown	L1	Line 1	2025031126	Screw mounting for Copper bar thickness up to 10 mm
SCC702	Black	L2	Line 2	2025031127	Screw mounting for Copper bar thickness up to 10 mm
SCC703	Grey	L3	Line 3	2025031128	Screw mounting for Copper bar thickness up to 10 mm
SCC70N	Blue	N	Neutral	2025031129	Screw mounting for Copper bar thickness up to 10 mm
SCC70E	Yellow/Green	PE	Protective Earth or Ground	2025031130	Screw mounting for Copper bar thickness up to 10 mm

Accessories

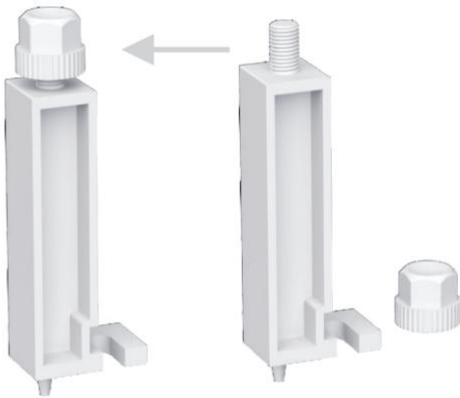
CBH-Copper Bar Holder

Product	Copper Bar Holder		
Type	CBH		
For copper bar size	5*12 mm	5*20 mm	5*30 mm 10*30 mm
Article NO.	2025031136		



SP-Support Pole

Product	Support pole		
Type	SP		
Application	Use together with CBH Copper Bar Holder and TPS/TPB Transparent Plate		
Article NO.	2025031137		

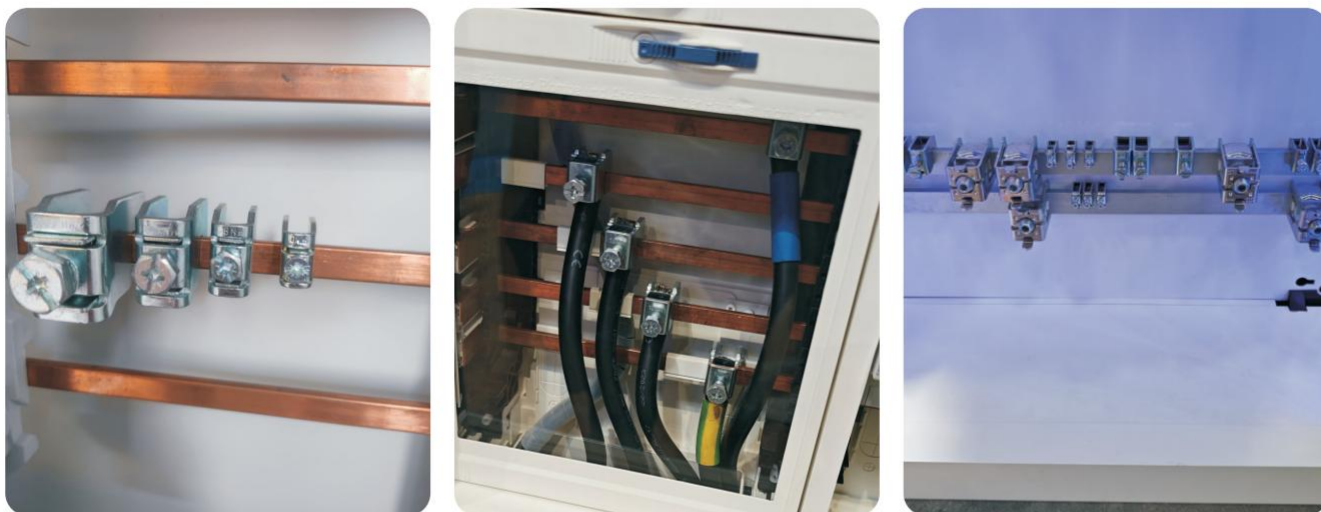


TPS/TPB-Transparent Red Plate

Product	Transparent Red Plate Small	Transparent Red Plate Big
Type	TPS	TPB
Application	Use together with CBH Copper Bar Holder and SP Support Pole	Use together with CBH Copper Bar Holder and SP Support Pole
Article NO.	2025031138	2025031139



Insulation Solution



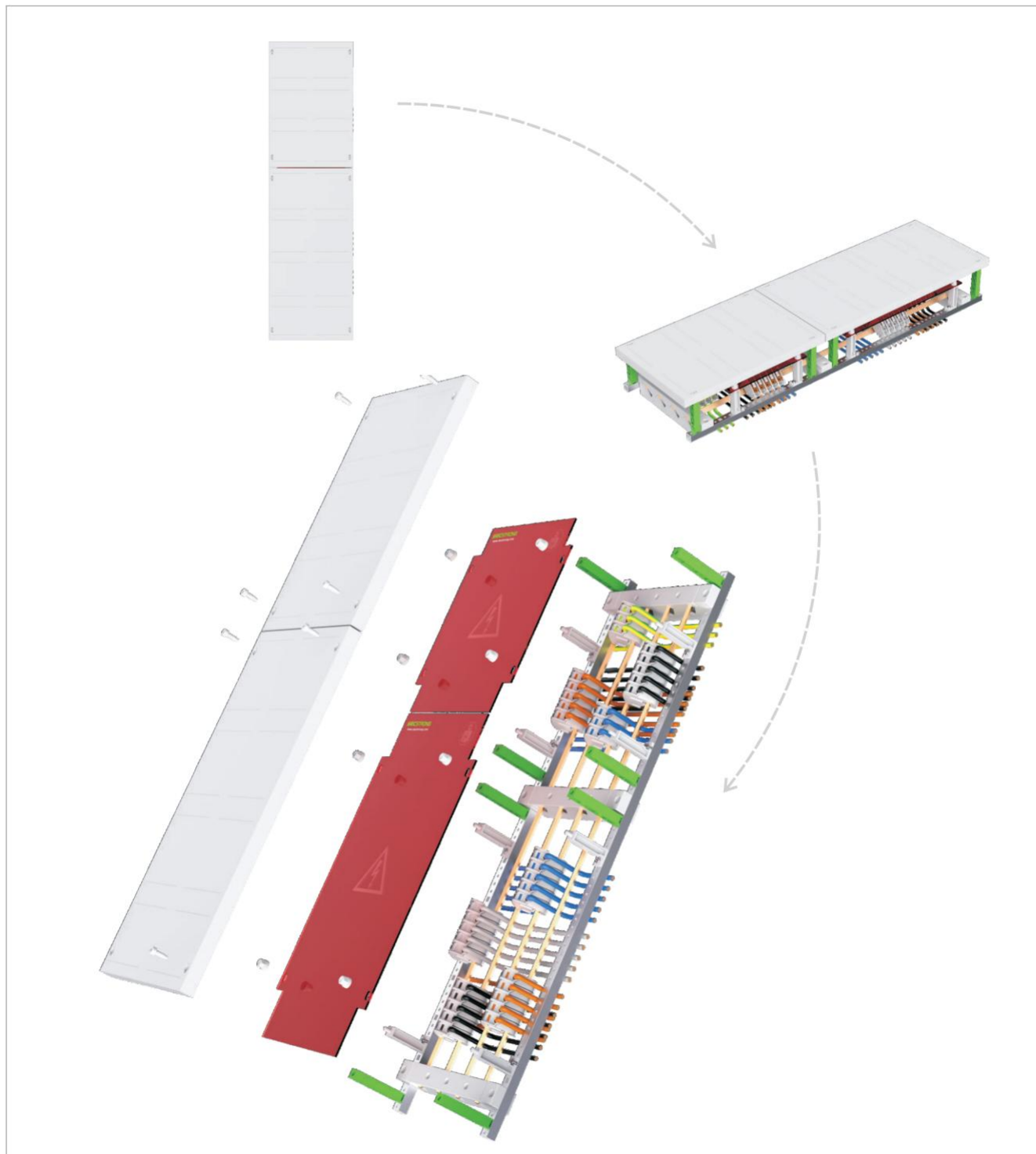
— Old version in the market —



— We supply insulation solution for panel system —

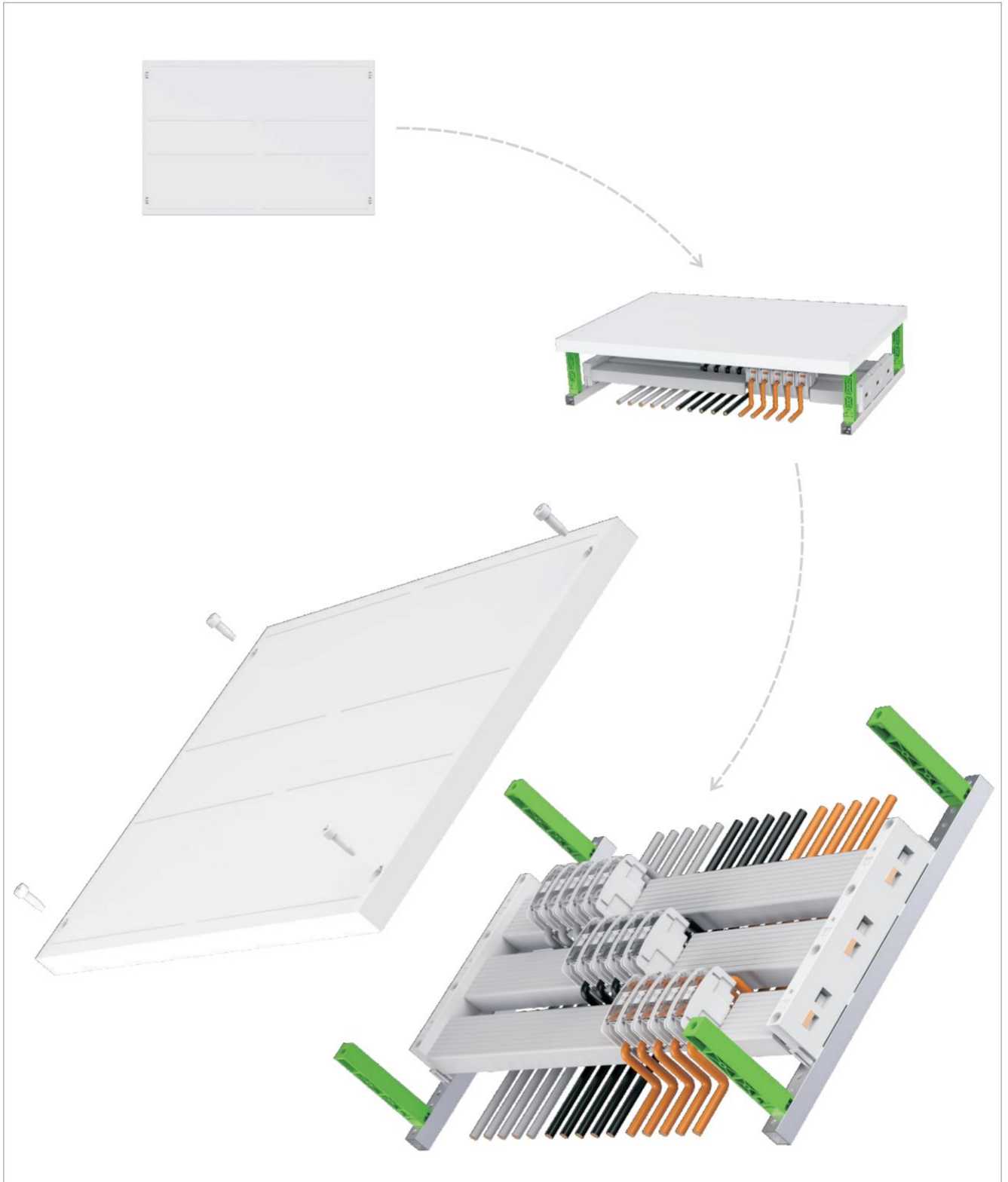
Application

Vertical copper bar system



Application

Horizontal copper bar system



Ordering Code

Item NO.	Product type	Product code	Specification	Color	Pcs/ Ctn	PCS/ Inner box	Inner box/ CTN	G.W/ CTN (kg)	Dimension / CTN (mm)
1	SCC061	2025031111	Copper bar clamp, incoming with copper bar thickness 3/4/5/6/8/10 mm and outgoing with cable/wire 1.5-6mm ²	Brown					
2	SCC062	2025031112		Black					
3	SCC063	2025031113		Grey					
4	SCC06N	2025031114		Blue					
5	SCC06E	2025031115		Yellow/Green					
6	SCC161	2025031116	Copper bar clamp, incoming with copper bar thickness 3/4/5/6/8/10 mm and outgoing with cable/wire 1.5-16mm ²	Brown					
7	SCC162	2025031117		Black					
8	SCC163	2025031118		Grey					
9	SCC16N	2025031119		Blue					
10	SCC16E	2025031120		Yellow/Green					
11	SCC351	2025031121	Copper bar clamp, incoming with copper bar thickness 3/4/5/6/8/10 mm and outgoing with cable/wire 2.5-35mm ²	Brown					
12	SCC352	2025031122		Black					
13	SCC353	2025031123		Grey					
14	SCC35N	2025031124		Blue					
15	SCC35E	2025031125		Yellow/Green					
16	SCC501	2025031126	Copper bar clamp, incoming with copper bar thickness 3/4/5/6/8/10 mm and outgoing with cable/wire 2.5-50mm ²	Brown					
17	SCC502	2025031127		Black					
18	SCC503	2025031128		Grey					
19	SCC50N	2025031129		Blue					
20	SCC50E	2025031130		Yellow/Green					
21	SCC701	2025031131	Copper bar clamp, incoming with copper bar thickness 3/4/5/6/8/10 mm and outgoing with cable/wire 6-70mm ²	Brown					
22	SCC702	2025031132		Black					
23	SCC703	2025031133		Grey					
24	SCC70N	2025031134		Blue					
25	SCC70E	2025031135		Yellow/Green					
26	CBH	2025031136	Copper Bar Holder	Grey					
27	SP	2025031137	Support pole	Grey					
28	TPS	2025031138	Transparent Red Plate Small	Red					
29	TPB	2025031139	Transparent Red Plate Big	Red					

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PRODUCT APPLICATION

1. Switchgear and Controlgear
2. Industrial Automation
3. Solar System
4. Wind Power
5. Mechanical Manufacture
6. Construction



MARKETING AND SERVICE

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Copper Bar Clamp

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