

connect the safety, connect the future!

© Strong Electric 2026



AC



DC

SAT Series Catalogue

Al/Cu universal terminal block

www.secstrong.com



CB

CE

UK
CA

✓
RoHS

WENZHOU STRONG ELECTRIC
CO.,LTD.

SECSTRONG

**WENZHOU STRONG ELECTRIC
CO.,LTD.**



connect the safety, connect the future!

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



www.secstrong.com



CB

CE

UK
CA

✓
RoHS

ABOUT SEC

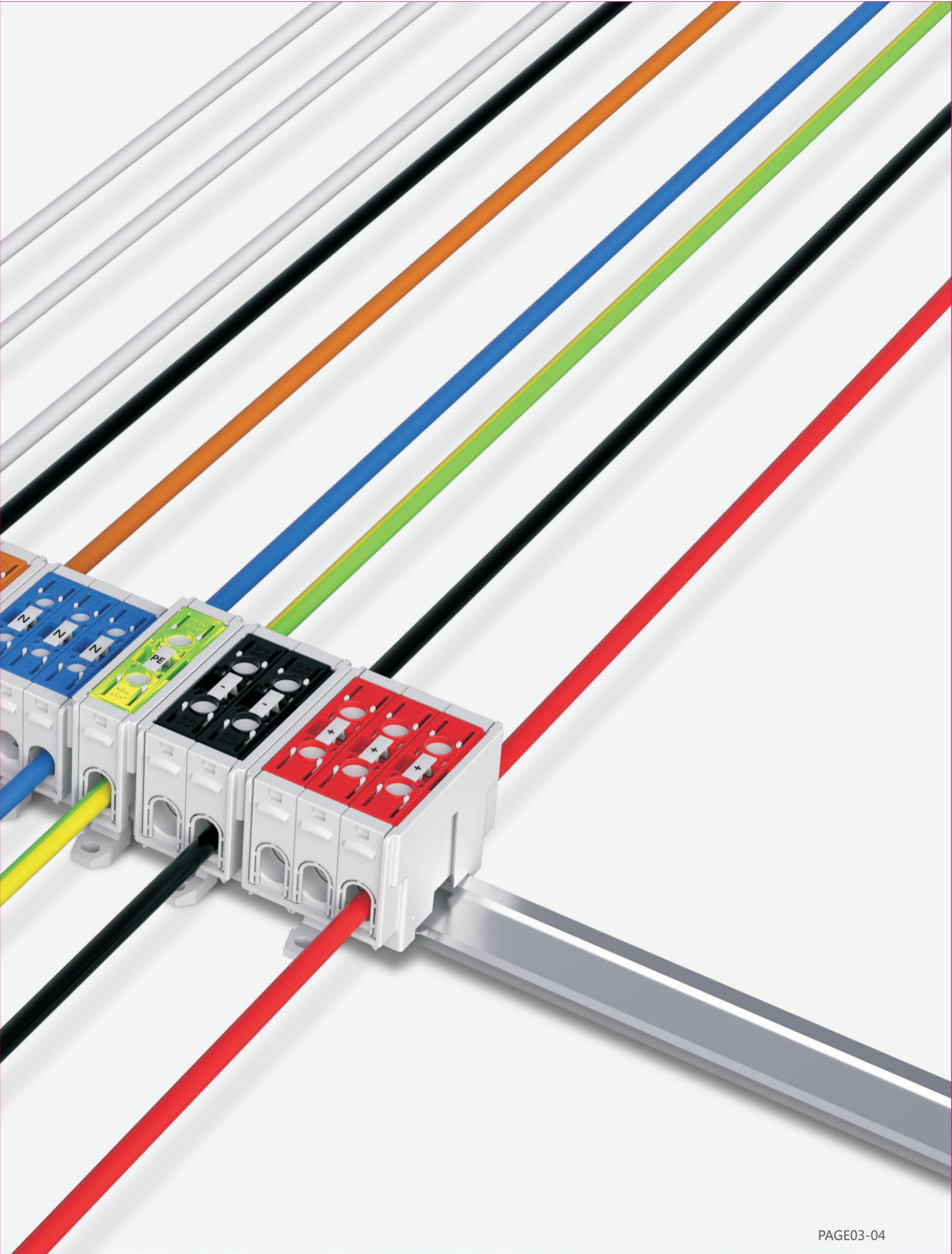
SEC (Strong Electric Co., Ltd) is the company who focus on new technology, innovation, R&D. Our team already engaged the electric field for more than 25 years before we start the SEC company. Our aim is to make electrical application easy, safety and better. Now SEC have full series of facilities including plastic injection machine, punching machine, laser printing machine, packing machine etc. We are manufacturing Al/Cu universal terminal block 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.

SAT series - Add on design
Al/Cu Universal Terminal Block



SAT series - Add on design Al/Cu Universal Terminal Block



General:

SAT series Al/Cu universal terminal block is totally patent design product by Strong Electric, which offers the best quality, safety installation features, excellent performance in the market. All the product already got TUV, CB, CE, UKCA, RoHS certificate. It is designed for both copper conductor and aluminum conductor. The most important is this terminal block are allowed each piece of product can connect each other easily.

Technical features:

- Add on design which is allow any pieces of product can connect each other easily;
- Good design on side cover and top barrier to reach IP20 protection to avoid finger touch the metal part or any insect go inside the terminal block to cause electric shock risk;
- Compact design to save the space;
- Quickly and easily Din-rail mounting or screw mounting;
- Reliable housing material polyamide (PA Halogen-free);

Conformity



CB

CE

UK
CA

✓
RoHS

Standards

IEC/EN 60947-7-1:Cu conductor
IEC/EN 60947-7-2:Cu conductor
IEC/EN 61238-1-1:Al conductor

Technical information

Cross section area: Cu: 1.5-240 mm²
Al: 16-240 mm²

Nominal current range: Cu: 82-425 A
Al:75-380 A

Material

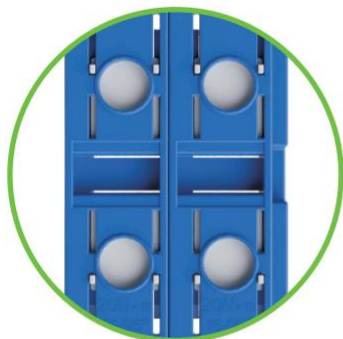
Housing: Flame Retardant Polyamide UL94 V0 (PA)
Metal body: Tinned plating aluminum
Screws: Nickel plating steel hexagonal screw

Mechanical features

Screw heads: Hexagonal
Mounting: Din-rail mounting or screws mounting

Structure

1. Terminal marker can add here to indicate each position with its function and to caution people avoid any mis-operation



2. Top plastic barrier here can reach IP20 protection. To prevent finger or insect go touch the metal part.

3. Torque and acceptable cable size carved on the cover

4. Plastic cover material is flame retardant PA UL94 V0 (polyamide)

5. Nickel plating steel screw with inner hexagonal head which is much stronger

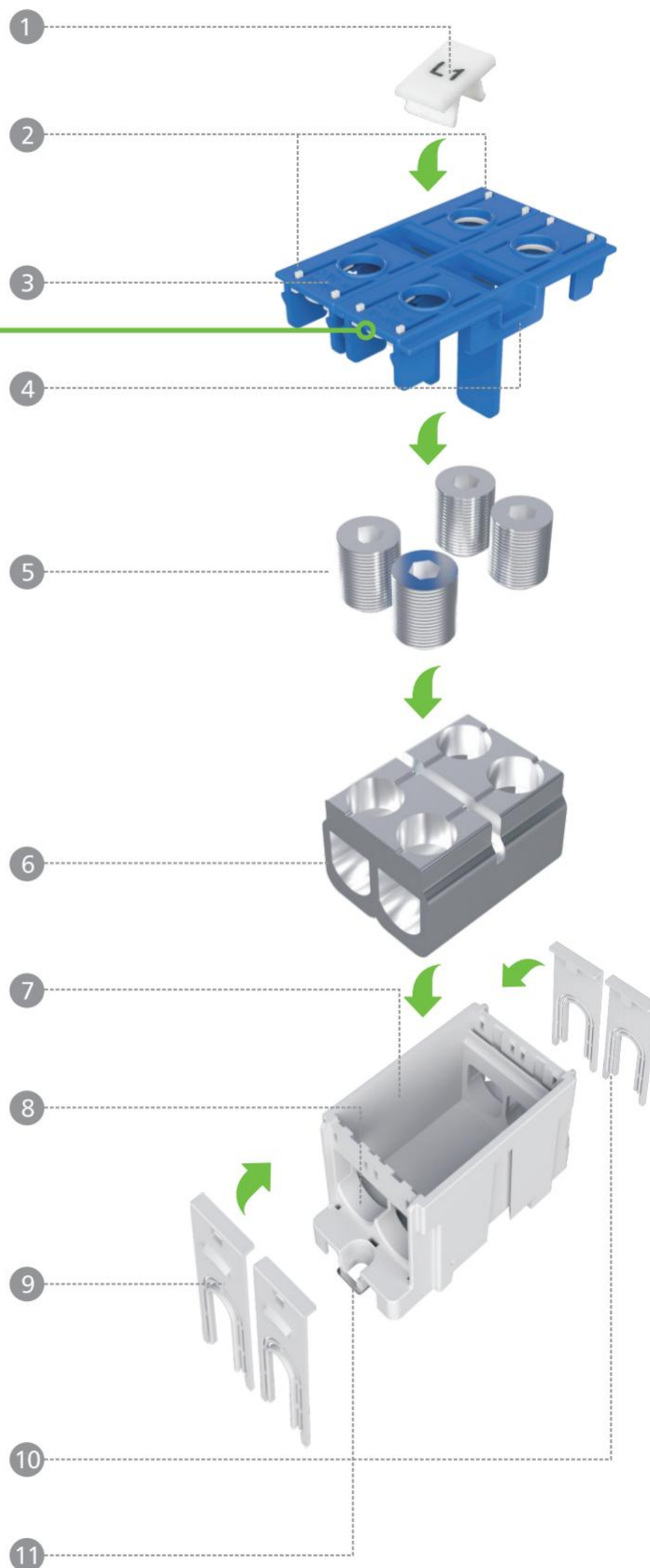
6. Tinned plating aluminum body

7. Plastic base material is flame retardant PA UL94 V0 (polyamide)

8. Connect hole which is allowed both aluminum conductor and copper conductor and cable size up to size 240mm²

9/10. Plastic side cover which can reach IP20 protection. To prevent finger or insect go touch the metal part.

11. Easy installation, can screw mounting or DIN-rail mounting



Model Specification

SAT	50	1	1
Product Series	Conductor cross Section area	Poles	Cover's color
	16 mm ²	1 One pole one way	1 Grey
	35 mm ²	2 One pole two ways	2 Blue
	50 mm ²	3 One pole three ways	3 Yellow/Green
	95 mm ²		4 Brown
	150 mm ²		5 Black
	240 mm ²		6 Red

SAT series - add on design Al/Cu universal terminal block was certified according to standards IEC/EN 60947-7-1, IEC/EN 60947-7-2 and IEC/EN 61238-1-1.

SAT series Al/Cu universal terminal block are shorted circuit tested and certified which is **(Class A)** terminal block. Terminal blocks that have been tested and certified according to IEC/EN 61238-1-1 are divided into class A and class B:

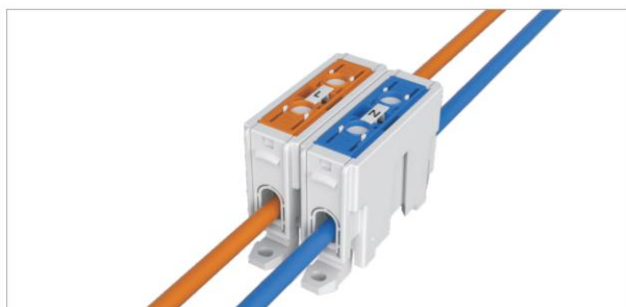
Class A terminal blocks are short circuit tested and suitable for both equipment and general use also as feed-in terminal blocks.

Class B terminal blocks are not short circuit tested and can only be used in circuits which are protected with fast acting fuses, not with general use fuse or motor circuit fuses, which are typically use in industrial applications.



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

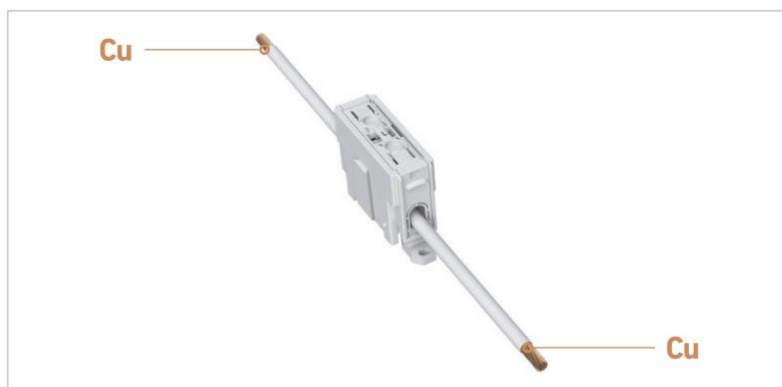


Application	Color	Mark	Indication
DC	 Black	-	Negative pole
	 Red	+	Positive pole



Conductor connection

Allow Cu conductor
- Cu conductor connection



Allow Al conductor
- Al conductor connection



Allow Cu conductor
- Al conductor connection



Allow Al conductor
- Cu conductor connection



Add-on design

SAT16 series, SAT35 series, SAT50 series can be connected together



SAT95 series, SAT150 series, SAT240 series can be connected together



WENZHOU STRONG ELECTRIC
CO.,LTD.

SAT16

SAT series - Add on design

Al/Cu Universal Terminal Block **16mm²**



SAT16 series 1 pole 1 way



SAT16-11



SAT16-12



SAT16-13



SAT16-14



SAT16-15



SAT16-16

SAT16 series 1 pole 2 ways



SAT16-21



SAT16-22



SAT16-23



SAT16-24



SAT16-25



SAT16-26

SAT16 series 1 pole 3 ways



SAT16-31



SAT16-32



SAT16-33



SAT16-34



SAT16-35



SAT16-36

SAT series - Add on design Al/Cu Universal Terminal Block



CB

CE

UK
CA



Technical data

Product type	SAT16 series
Standards	IEC/EN 60947-7-1, IEC/EN 60947-7-2 (Cu) IEC/EN 61238-1-1 (Al)
Conductor cross-section (mm ²)	Cu 1.5-16 mm ² Al 16 mm ²
Nominal voltage Cu/Al (V)	AC 1000 V DC 1500 V
Nominal current Cu/Al (A)	Cu 82 A Al 75 A

Environmental data

Ambient temperature (°C)	-25~70 °C
Operation humidity (%)	20 ~90 %
Storage humidity (%)	30 ~70 %

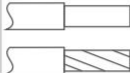
Certificate

TUV, CB, CE, UKCA, RoHS

Material

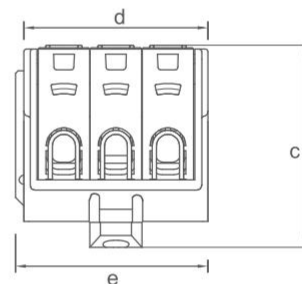
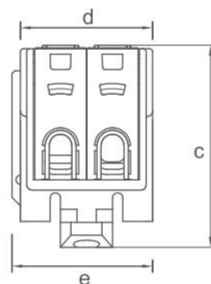
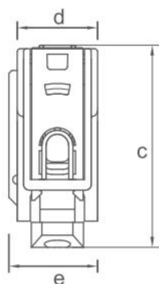
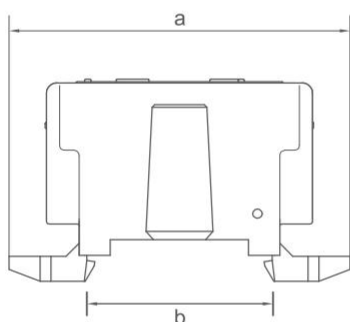
Terminal body	Tinned plating Aluminum
Housing	Flame Retardant Polyamide UL94 V0 (PA Halogen-free)
Screw	Nickel plating steel hexagonal screw
Flame resistance	Self-extinguishing

Assemble

Conductor cross-section(mm ²)	SAT16 series tightening torque		
	Cu		Al
	IEC/EN 60947-7-1, IEC/EN 60947-7-2		IEC/EN 61238-1-1
			
1.5	1.5Nm		-
2.5	3.5Nm		-
4			-
6			-
10	7Nm	7Nm	-
16		-	7Nm
Stripping length (mm)			12mm
Hex-head screw			M8
Mounting			Din rail / Screw

Mechanical data

Dimensions:		SAT16-11	SAT16-21	SAT16-31
		SAT16-12	SAT16-22	SAT16-32
		SAT16-13	SAT16-23	SAT16-33
		SAT16-14	SAT16-24	SAT16-34
		SAT16-15	SAT16-25	SAT16-35
		SAT16-16	SAT16-26	SAT16-36
(mm)	a	65.6 mm		
	b	35 mm		
	c	39.3 mm		
	d	15.4 mm	25.4 mm	35.4 mm
	e	17 mm	27 mm	37 mm
Weight (g):		26.5 g	45 g	62.7 g



Product list				
Type	Color	Poles	Product code	Mounting
SAT16-11	Grey	1 pole 1 way	2024021003	Din-rail
SAT16-12	Blue		2024021004	
SAT16-13	Yellow/Green		2024021005	
SAT16-14	Brown		2024021006	
SAT16-15	Black		2024021007	
SAT16-16	Red		2024021008	
SAT16-21	Grey	1 pole 2 ways	2024021009	Din-rail
SAT16-22	Blue		2024021010	
SAT16-23	Yellow/Green		2024021011	
SAT16-24	Brown		2024021012	
SAT16-25	Black		2024021013	
SAT16-26	Red		2024021014	
SAT16-31	Grey	1 pole 3 ways	2024021015	Din-rail
SAT16-32	Blue		2024021016	
SAT16-33	Yellow/Green		2024021017	
SAT16-34	Brown		2024021018	
SAT16-35	Black		2024021019	
SAT16-36	Red		2024021020	

WENZHOU STRONG ELECTRIC
CO.,LTD.

SAT35

SAT series - Add on design

Al/Cu Universal Terminal Block **35mm²**



SAT35 series 1 pole 1 way



SAT35-11



SAT35-12



SAT35-13



SAT35-14



SAT35-15



SAT35-16

SAT35 series 1 pole 2 ways



SAT35-21



SAT35-22



SAT35-23



SAT35-24



SAT35-25



SAT35-26

SAT35 series 1 pole 3 ways



SAT35-31



SAT35-32



SAT35-33



SAT35-34



SAT35-35



SAT35-36

SAT series - Add on design

Al/Cu Universal Terminal Block 35mm²



CB

CE

UK
CA

✓
RoHS

Technical data

Product type	SAT35 series
Standards	IEC/EN 60947-7-1, IEC/EN 60947-7-2 (Cu) IEC/EN 61238-1-1 (Al)
Conductor cross-section (mm ²)	Cu 2.5-35 mm ² Al 16-35 mm ²
Nominal voltage Cu/Al (V)	AC 1000 V DC 1500 V
Nominal current Cu/Al (A)	Cu 135 A Al 120 A

Environmental data

Ambient temperature (°C)	-25~70 °C
Operation humidity (%)	20 ~90 %
Storage humidity (%)	30 ~70 %

Certificate

TUV, CB, CE, UKCA, RoHS

Material

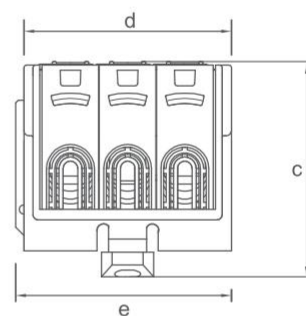
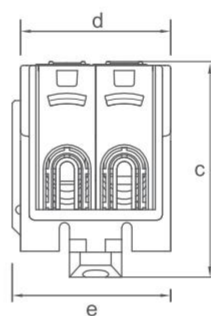
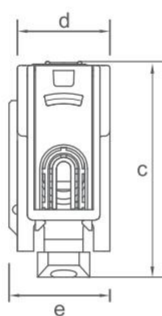
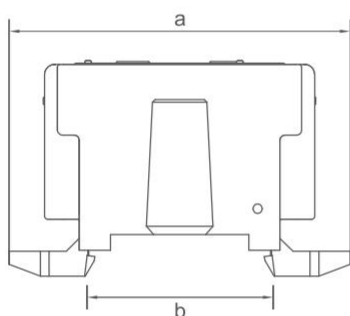
Terminal body	Tinned plating Aluminum
Housing	Flame Retardant Polyamide UL94 V0 (PA Halogen-free)
Screw	Nickel plating steel hexagonal screw
Flame resistance	Self-extinguishing

Assemble

		SAT35 series tightening torque	
		Cu	Al
Conductor cross-section(mm ²)	IEC/EN 60947-7-1, IEC/EN 60947-7-2		IEC/EN 61238-1-1
			
			
1.5	-	-	-
2.5	3Nm	3Nm	-
4			-
6			-
10			-
16			3Nm
25	6Nm	6Nm	6Nm
35		-	
Stripping length (mm)			13mm
Hex-head screw			M8
Mounting			Din rail / Screw

Mechanical data

Dimensions:		SAT35-11	SAT35-21	SAT35-31
		SAT35-12	SAT35-22	SAT35-32
		SAT35-13	SAT35-23	SAT35-33
		SAT35-14	SAT35-24	SAT35-34
		SAT35-15	SAT35-25	SAT35-35
		SAT35-16	SAT35-26	SAT35-36
(mm)	a	65.6 mm		
	b	35 mm		
	c	41.9 mm		
	d	17.8 mm	28.9 mm	39.9 mm
	e	19.4 mm	30.5 mm	41.5 mm
Weight (g):		31 g	50.5 g	70.5 g



Product list

Type	Color	Poles	Product code	Mounting
SAT35-11	Grey	1 pole 1 way	2024021021	Din-rail
SAT35-12	Blue		2024021022	
SAT35-13	Yellow/Green		2024021023	
SAT35-14	Brown		2024021024	
SAT35-15	Black		2024021025	
SAT35-16	Red		2024021026	
SAT35-21	Grey	1 pole 2 ways	2024021027	Din-rail
SAT35-22	Blue		2024021028	
SAT35-23	Yellow/Green		2024021029	
SAT35-24	Brown		2024021030	
SAT35-25	Black		2024021031	
SAT35-26	Red		2024021032	
SAT35-31	Grey	1 pole 3 ways	2024021033	Din-rail
SAT35-32	Blue		2024021034	
SAT35-33	Yellow/Green		2024021035	
SAT35-34	Brown		2024021036	
SAT35-35	Black		2024021037	
SAT35-36	Red		2024021038	

WENZHOU STRONG ELECTRIC
CO.,LTD.

SAT50

SAT series Add-on design
Al/Cu Universal Terminal Block **50mm²**



SAT50 series 1 pole 1 way



SAT50-11



SAT50-12



SAT50-13



SAT50-14



SAT50-15



SAT50-16

SAT50 series 1 pole 2 ways



SAT50-21



SAT50-22



SAT50-23



SAT50-24



SAT50-25



SAT50-26

SAT50 series 1 pole 3 ways



SAT50-31



SAT50-32



SAT50-33



SAT50-34



SAT50-35



SAT50-36

SAT series - Add on design

Al/Cu Universal Terminal Block 50mm²



CB

CE

UK
CA

✓
RoHS

Technical data

Product type	SAT50 series
Standards	IEC/EN 60947-7-1, IEC/EN 60947-7-2 (Cu) IEC/EN 61238-1-1 (Al)
Conductor cross-section (mm ²)	Cu 2.5-50 mm ² Al 16-50 mm ²
Nominal voltage Cu/Al (V)	AC 1000 V DC 1500 V
Nominal current Cu/Al (A)	Cu 160 A Al 145 A

Environmental data

Ambient temperature (°C)	-25~70 °C
Operation humidity (%)	20 ~90 %
Storage humidity (%)	30 ~70 %

Certificate

TUV, CB, CE, UKCA, RoHS

Material

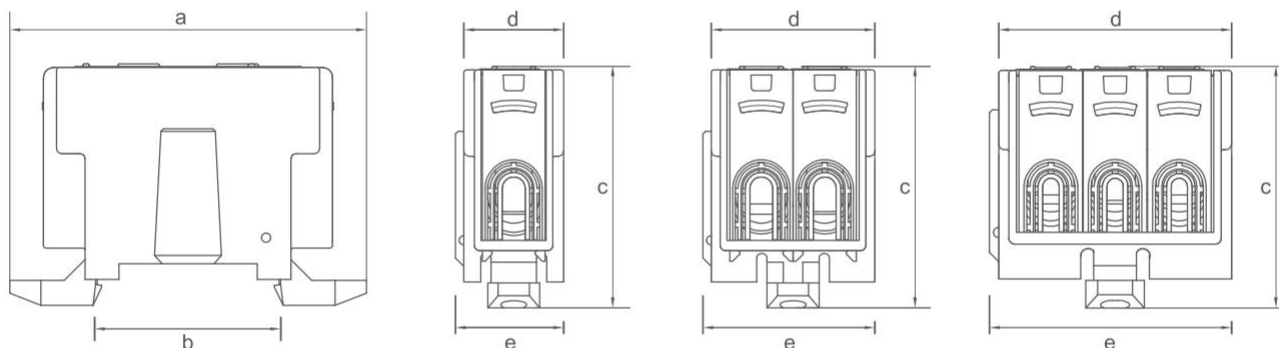
Terminal body	Tinned plating Aluminum
Housing	Flame Retardant Polyamide UL94 V0 (PA Halogen-free)
Screw	Nickel plating steel hexagonal screw
Flame resistance	Self-extinguishing

Assemble

Conductor cross-section(mm ²)	SAT50 series tightening torque		
	Cu		Al
	IEC/EN 60947-7-1, IEC/EN 60947-7-2		IEC/EN 61238-1-1
1.5	-	-	-
2.5	4Nm	4Nm	-
4			-
6			-
10			-
16			12Nm
25			
35			
50		-	
Stripping length (mm)			16mm
Hex-head screw			M10
Mounting			Din rail / Screw

Mechanical data

Dimensions:		SAT50-11	SAT50-21	SAT50-31
		SAT50-12	SAT50-22	SAT50-32
		SAT50-13	SAT50-23	SAT50-33
		SAT50-14	SAT50-24	SAT50-34
		SAT50-15	SAT50-25	SAT50-35
		SAT50-16	SAT50-26	SAT50-36
(mm)	a	68.6 mm		
	b	35 mm		
	c	46.9 mm		
	d	19 mm	31.5 mm	43.2 mm
	e	20.8 mm	33.1 mm	44.8 mm
Weight (g):		41 g	67 g	92 g



Product list

Type	Color	Poles	Product code	Mounting
SAT50-11	Grey	1 pole 1 way	2024021039	Din-rail
SAT50-12	Blue		2024021040	
SAT50-13	Yellow/Green		2024021041	
SAT50-14	Brown		2024021042	
SAT50-15	Black		2024021043	
SAT50-16	Red		2024021044	
SAT50-21	Grey	1 pole 2 ways	2024021045	Din-rail
SAT50-22	Blue		2024021046	
SAT50-23	Yellow/Green		2024021047	
SAT50-24	Brown		2024021048	
SAT50-25	Black		2024021049	
SAT50-26	Red		2024021050	
SAT50-31	Grey	1 pole 3 ways	2024021051	Din-rail
SAT50-32	Blue		2024021052	
SAT50-33	Yellow/Green		2024021053	
SAT50-34	Brown		2024021054	
SAT50-35	Black		2024021055	
SAT50-36	Red		2024021056	

WENZHOU STRONG ELECTRIC
CO.,LTD.

SAT95

SAT series Add-on design
Al/Cu Universal Terminal Block 95mm²



SAT95 series 1 pole 1 way



SAT95-11



SAT95-12



SAT95-13



SAT95-14



SAT95-15



SAT50-16

SAT95 series 1 pole 2 ways



SAT95-21



SAT95-22



SAT95-23



SAT95-24



SAT95-25



SAT50-26

SAT95 series 1 pole 3 ways



SAT95-31



SAT95-32



SAT95-33



SAT95-34



SAT95-35



SAT95-36

SAT series - Add on design

Al/Cu Universal Terminal Block 95mm²



CB

CE

UK
CA

✓
RoHS

Technical data

Product type	SAT95 series
Standards	IEC/EN 60947-7-1, IEC/EN 60947-7-2 (Cu) IEC/EN 61238-1-1 (Al)
Conductor cross-section (mm ²)	Cu 16-95 mm ² Al 16-95 mm ²
Nominal voltage Cu/Al (V)	AC 1000 V DC 1500 V
Nominal current Cu/Al (A)	Cu 245 A Al 200 A

Environmental data

Ambient temperature (°C)	-25~70 °C
Operation humidity (%)	20 ~90 %
Storage humidity (%)	30 ~70 %

Certificate

TUV, CB, CE, UKCA, RoHS

Material

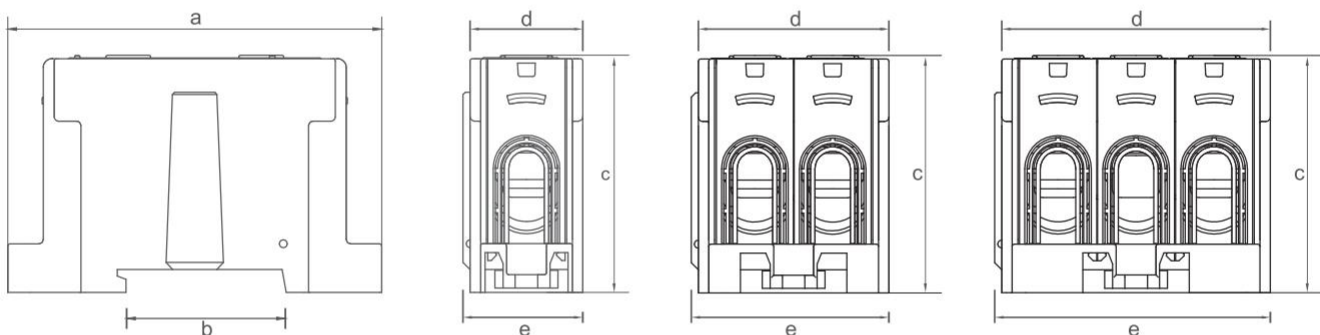
Terminal body	Tinned plating Aluminum
Housing	Flame Retardant Polyamide UL94 V0 (PA Halogen-free)
Screw	Nickel plating steel hexagonal screw
Flame resistance	Self-extinguishing

Assemble

Conductor cross-section(mm ²)	SAT95 series tightening torque		
	Cu		Al
	IEC/EN 60947-7-1, IEC/EN 60947-7-2		IEC/EN 61238-1-1
1.5	-	-	-
2.5	-	-	-
4	-	-	-
6	-	-	-
10	-	-	-
16	20Nm	20Nm	20Nm
25			
35			
50			
70			
95		-	
Stripping length (mm)			22mm
Hex-head screw			M14
Mounting			Din rail / Screw

Mechanical data

Dimensions:		SAT95-11	SAT95-21	SAT95-31
		SAT95-12	SAT95-22	SAT95-32
		SAT95-13	SAT95-23	SAT95-33
		SAT95-14	SAT95-24	SAT95-34
		SAT95-15	SAT95-25	SAT95-35
		SAT95-16	SAT95-26	SAT95-36
(mm)	a	84.5 mm		
	b	35 mm		
	c	52 mm		
	d	25.5 mm	43 mm	60.6 mm
	e	27 mm	44.6 mm	62.2 mm
Weight (g):		104 g	181 g	254 g



Product list

Type	Color	Poles	Product code	Mounting
SAT95-11	Grey	1 pole 1 way	2024021057	Din-rail / screw
SAT95-12	Blue		2024021058	
SAT95-13	Yellow/Green		2024021059	
SAT95-14	Brown		2024021060	
SAT95-15	Black		2024021061	
SAT95-16	Red		2024021062	
SAT95-21	Grey	1 pole 2 ways	2024021063	Din-rail / screw
SAT95-22	Blue		2024021064	
SAT95-23	Yellow/Green		2024021065	
SAT95-24	Brown		2024021066	
SAT95-25	Black		2024021067	
SAT95-26	Red		2024021068	
SAT95-31	Grey	1 pole 3 ways	2024021069	Din-rail / screw
SAT95-32	Blue		2024021070	
SAT95-33	Yellow/Green		2024021071	
SAT95-34	Brown		2024021072	
SAT95-35	Black		2024021073	
SAT95-36	Red		2024021074	

WENZHOU STRONG ELECTRIC
CO.,LTD.

SAT150

SAT series Add-on design
Al/Cu Universal Terminal Block **150mm²**



SAT150 series 1 pole 1 way



SAT150-11



SAT150-12



SAT150-13



SAT150-14



SAT150-15



SAT150-16

SAT150 series 1 pole 2 ways



SAT150-21



SAT150-22



SAT150-23



SAT150-24



SAT150-25



SAT150-26

SAT150 series 1 pole 3 ways



SAT150-31



SAT150-32



SAT150-33



SAT150-34



SAT150-35



SAT150-36

SAT series - Add on design

Al/Cu Universal Terminal Block 150mm²



CB

CE

UK
CA

✓
RoHS

Technical data

Product type	SAT150 series
Standards	IEC/EN 60947-7-1, IEC/EN 60947-7-2 (Cu) IEC/EN 61238-1-1 (Al)
Conductor cross-section (mm ²)	Cu 35-150 mm ² Al 35-150 mm ²
Nominal voltage Cu/Al (V)	AC 1000 V DC 1500 V
Nominal current Cu/Al (A)	Cu 320 A Al 290 A

Environmental data

Ambient temperature (°C)	-25~70 °C
Operation humidity (%)	20 ~90 %
Storage humidity (%)	30 ~70 %

Certificate

TUV, CB, CE, UKCA, RoHS

Material

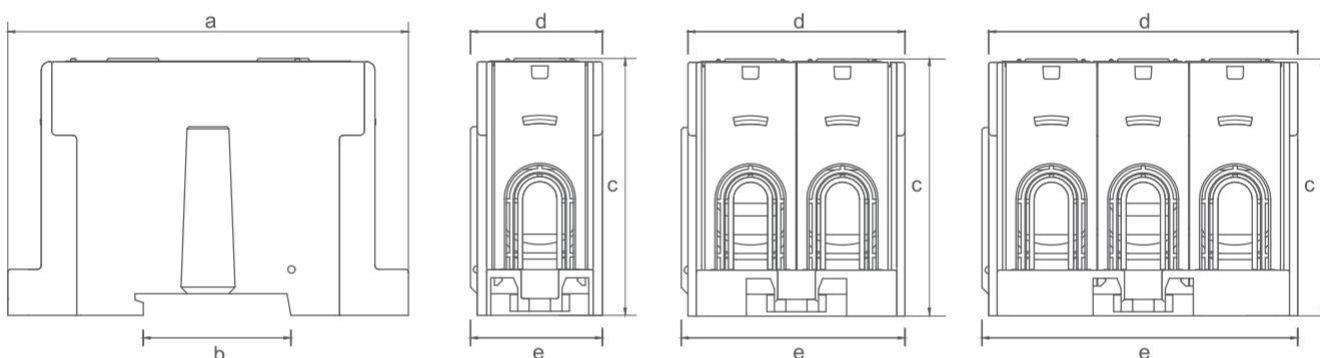
Terminal body	Tinned plating Aluminum
Housing	Flame Retardant Polyamide UL94 V0 (PA Halogen-free)
Screw	Nickel plating steel hexagonal screw
Flame resistance	Self-extinguishing

Assemble

Conductor cross-section(mm²)	SAT150 series tightening torque		
	Cu	Al	
	IEC/EN 60947-7-1, IEC/EN 60947-7-2	IEC/EN 61238-1-1	
			
			
1.5	-	-	-
2.5	-	-	-
4	-	-	-
6	-	-	-
10	-	-	-
16	-	-	-
25	-	-	-
35	20Nm	20Nm	20Nm
50			
70			
95			
120	30Nm	30Nm	30Nm
150		-	
Stripping length (mm)			26mm
Hex-head screw			M18
Mounting			Din rail / Screw

Mechanical data

Dimensions:		SAT150-11	SAT150-21	SAT150-31
		SAT150-12	SAT150-22	SAT150-32
		SAT150-13	SAT150-23	SAT150-33
		SAT150-14	SAT150-24	SAT150-34
		SAT150-15	SAT150-25	SAT150-35
		SAT150-16	SAT150-26	SAT150-36
(mm)	a	95.9 mm		
	b	35 mm		
	c	61.9 mm		
	d	30 mm	52 mm	74 mm
	e	31.6 mm	53.6 mm	75.6 mm
Weight (g):		165 g	298 g	429 g



Product list

Type	Color	Poles	Product code	Mounting
SAT150-11	Grey	1 pole 1 way	2024021075	Din-rail / screw
SAT150-12	Blue		2024021076	
SAT150-13	Yellow/Green		2024021077	
SAT150-14	Brown		2024021078	
SAT150-15	Black		2024021079	
SAT150-16	Red		2024021080	
SAT150-21	Grey	1 pole 2 ways	2024021081	Din-rail / screw
SAT150-22	Blue		2024021082	
SAT150-23	Yellow/Green		2024021083	
SAT150-24	Brown		2024021084	
SAT150-25	Black		2024021085	
SAT150-26	Red		2024021086	
SAT150-31	Grey	1 pole 3 ways	2024021087	Din-rail / screw
SAT150-32	Blue		2024021088	
SAT150-33	Yellow/Green		2024021089	
SAT150-34	Brown		2024021090	
SAT150-35	Black		2024021091	
SAT150-36	Red		2024021092	

WENZHOU STRONG ELECTRIC
CO.,LTD.

SAT240

SAT series Add-on design
Al/Cu Universal Terminal Block **240mm²**



SAT240 series 1 pole 1 way



SAT240-11



SAT240-12



SAT240-13



SAT240-14



SAT240-15



SAT240-16

SAT240 series 1 pole 2 ways



SAT240-21



SAT240-22



SAT240-23



SAT240-24



SAT240-25



SAT240-26

SAT240 series 1 pole 3 ways



SAT240-31



SAT240-32



SAT240-33



SAT240-34



SAT240-35



SAT240-36

SAT series - Add on design

Al/Cu Universal Terminal Block 240mm²



Technical data

Product type	SAT240 series
Standards	IEC/EN 60947-7-1, IEC/EN 60947-7-2 (Cu) IEC/EN 61238-1-1 (Al)
Conductor cross-section (mm ²)	Cu 35-240 mm ² Al 35-240 mm ²
Nominal voltage Cu/Al (V)	AC 1000 V DC 1500 V
Nominal current Cu/Al (A)	Cu 425 A Al 380 A

Environmental data

Ambient temperature (°C)	-25~70 °C
Operation humidity (%)	20 ~90 %
Storage humidity (%)	30 ~70 %

Certificate

TUV, CB, CE, UKCA, RoHS

Material

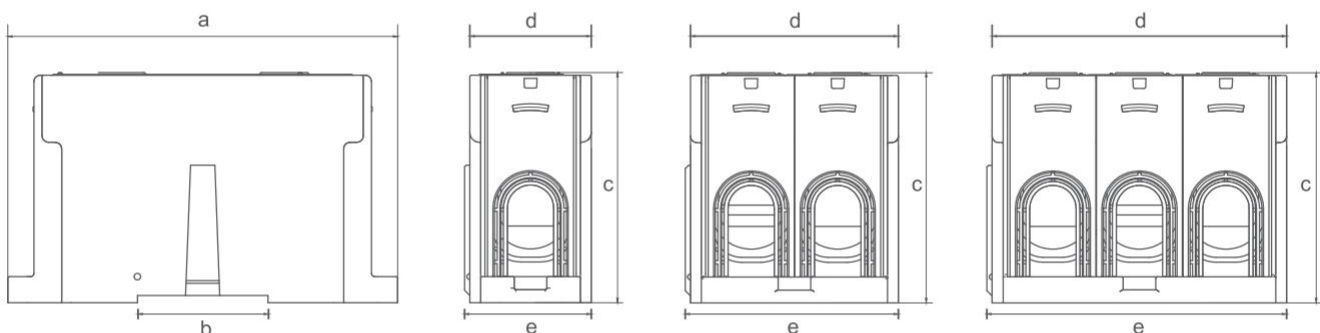
Terminal body	Tinned plating Aluminum
Housing	Flame Retardant Polyamide UL94 V0 (PA Halogen-free)
Screw	Nickel plating steel hexagonal screw
Flame resistance	Self-extinguishing

Assemble

Conductor cross-section(mm2)	SAT150 series tightening torque		
	Cu	Al	
	IEC/EN 60947-7-1, IEC/EN 60947-7-2	IEC/EN 61238-1-1	
1.5	-	-	-
2.5	-	-	-
4	-	-	-
6	-	-	-
10	-	-	-
16	-	-	-
25	-	-	-
35	12Nm	12Nm	12Nm
50			
70			
95			
120			
150	45Nm	45Nm	45Nm
185			
240		-	
Stripping length (mm)			30mm
Hex-head screw			M20
Mounting			Screw

Mechanical data

Dimensions:		SAT240-11	SAT240-21	SAT240-31
		SAT240-12	SAT240-22	SAT240-32
		SAT240-13	SAT240-23	SAT240-33
		SAT240-14	SAT240-24	SAT240-34
		SAT240-15	SAT240-25	SAT240-35
		SAT240-16	SAT240-26	SAT240-36
(mm)	a	119.4 mm		
	b	35 mm		
	c	70.6 mm		
	d	37.2 mm	63.7 mm	90.2 mm
	e	38.8 mm	65.3 mm	91.8 mm
Weight (g):		312 g	560 g	795 g


Product list

Type	Color	Poles	Product code	Mounting
SAT240-11	Grey	1 pole 1 way	2024021093	Din-rail / screw
SAT240-12	Blue		2024021094	
SAT240-13	Yellow/Green		2024021095	
SAT240-14	Brown		2024021096	
SAT240-15	Black		2024021097	
SAT240-16	Red		2024021098	
SAT240-21	Grey	1 pole 2 ways	2024021099	Din-rail / screw
SAT240-22	Blue		2024021100	
SAT240-23	Yellow/Green		2024021101	
SAT240-24	Brown		2024021102	
SAT240-25	Black		2024021103	
SAT240-26	Red		2024021104	
SAT240-31	Grey	1 pole 3 ways	2024021105	Din-rail / screw
SAT240-32	Blue		2024021106	
SAT240-33	Yellow/Green		2024021107	
SAT240-34	Brown		2024021108	
SAT240-35	Black		2024021109	
SAT240-36	Red		2024021110	

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	SAT16-11	2024021003	1 pole 1 way, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 1.5mm²...16mm²	Grey	414	18	23	12.6	400x300x245
2	SAT16-12	2024021004		Blue					
3	SAT16-13	2024021005		Yellow/green					
4	SAT16-14	2024021006		Brown					
5	SAT16-15	2024021007		Black					
6	SAT16-16	2024021008		Red					
7	SAT16-21	2024021009	1 pole 2 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 1.5mm²...16mm²	Grey	253	11	23	13	400x300x245
8	SAT16-22	2024021010		Blue					
9	SAT16-23	2024021011		Yellow/green					
10	SAT16-24	2024021012		Brown					
11	SAT16-25	2024021013		Black					
12	SAT16-26	2024021014		Red					
13	SAT16-31	2024021015	1 pole 3 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 1.5mm²...16mm²	Grey	184	8	23	13.1	400x300x245
14	SAT16-32	2024021016		Blue					
15	SAT16-33	2024021017		Yellow/green					
16	SAT16-34	2024021018		Brown					
17	SAT16-35	2024021019		Black					
18	SAT16-36	2024021020		Red					
19	SAT35-11	2024021021	1 pole 1 way, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 2.5mm²...35mm²	Grey	345	15	23	12.4	400x300x245
20	SAT35-12	2024021022		Blue					
21	SAT35-13	2024021023		Yellow/green					
22	SAT35-14	2024021024		Brown					
23	SAT35-15	2024021025		Black					
24	SAT35-16	2024021026		Red					
25	SAT35-21	2024021027	1 pole 2 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 2.5mm²...35mm²	Grey	207	9	23	12.1	400x300x245
26	SAT35-22	2024021028		Blue					
27	SAT35-23	2024021029		Yellow/green					
28	SAT35-24	2024021030		Brown					
29	SAT35-25	2024021031		Black					
30	SAT35-26	2024021032		Red					
31	SAT35-31	2024021033	1 pole 3 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 2.5mm²...35mm²	Grey	161	7	23	12.9	400x300x245
32	SAT35-32	2024021034		Blue					
33	SAT35-33	2024021035		Yellow/green					
34	SAT35-34	2024021036		Brown					
35	SAT35-35	2024021037		Black					
36	SAT35-36	2024021038		Red					
37	SAT50-11	2024021039	1 pole 1 way, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 2.5mm²...50mm²	Grey	280	14	20	13	400x300x245
38	SAT50-12	2024021040		Blue					
39	SAT50-13	2024021041		Yellow/green					
40	SAT50-14	2024021042		Brown					
41	SAT50-15	2024021043		Black					
42	SAT50-16	2024021044		Red					
43	SAT50-21	2024021045	1 pole 2 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 2.5mm²...50mm²	Grey	160	8	20	12.2	400x300x245
44	SAT50-22	2024021046		Blue					
45	SAT50-23	2024021047		Yellow/green					
46	SAT50-24	2024021048		Brown					
47	SAT50-25	2024021049		Black					
48	SAT50-26	2024021050		Red					
49	SAT50-31	2024021051	1 pole 3 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 2.5mm²...50mm²	Grey	120	6	20	12.5	400x300x245
50	SAT50-32	2024021052		Blue					
51	SAT50-33	2024021053		Yellow/green					
52	SAT50-34	2024021054		Brown					
53	SAT50-35	2024021055		Black					
54	SAT50-36	2024021056		Red					

Item NO.	Product type	Product code	Specification	Color	Pcs/ Ctn	PCS/ Inner box	Inner box/ CTN	G.W/ CTN (kg)	Dimension / CTN (mm)
55	SAT95-11	2024021057	1 pole 1 way, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 16mm²...95mm²	Grey	140	5	28	16.1	400x300x245
56	SAT95-12	2024021058		Blue					
57	SAT95-13	2024021059		Yellow/green					
58	SAT95-14	2024021060		Brown					
59	SAT95-15	2024021061		Black					
60	SAT95-16	2024021062		Red					
61	SAT95-21	2024021063	1 pole 2 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 16mm²...95mm²	Grey	84	3	28	16.6	400x300x245
62	SAT95-22	2024021064		Blue					
63	SAT95-23	2024021065		Yellow/green					
64	SAT95-24	2024021066		Brown					
65	SAT95-25	2024021067		Black					
66	SAT95-26	2024021068		Red					
67	SAT95-31	2024021069	1 pole 3 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 16mm²...95mm²	Grey	56	2	28	15.7	400x300x245
68	SAT95-32	2024021070		Blue					
69	SAT95-33	2024021071		Yellow/green					
70	SAT95-34	2024021072		Brown					
71	SAT95-35	2024021073		Black					
72	SAT95-36	2024021074		Red					
73	SAT150-11	2024021075	1 pole 1 way, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 35mm²...150mm²	Grey	85	5	17	15.7	400x300x245
74	SAT150-12	2024021076		Blue					
75	SAT150-13	2024021077		Yellow/green					
76	SAT150-14	2024021078		Brown					
77	SAT150-15	2024021079		Black					
78	SAT150-16	2024021080		Red					
79	SAT150-21	2024021081	1 pole 2 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 35mm²...150mm²	Grey	51	3	17	16.7	400x300x245
80	SAT150-22	2024021082		Blue					
81	SAT150-23	2024021083		Yellow/green					
82	SAT150-24	2024021084		Brown					
83	SAT150-25	2024021085		Black					
84	SAT150-26	2024021086		Red					
85	SAT150-31	2024021087	1 pole 3 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 35mm²...150mm²	Grey	34	2	17	16.1	400x300x245
86	SAT150-32	2024021088		Blue					
87	SAT150-33	2024021089		Yellow/green					
88	SAT150-34	2024021090		Brown					
89	SAT150-35	2024021091		Black					
90	SAT150-36	2024021092		Red					
91	SAT240-11	2024021093	1 pole 1 way, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 35mm²...240mm²	Grey	54	2	27	18.3	400x300x245
92	SAT240-12	2024021094		Blue					
93	SAT240-13	2024021095		Yellow/green					
94	SAT240-14	2024021096		Brown					
95	SAT240-15	2024021097		Black					
96	SAT240-16	2024021098		Red					
97	SAT240-21	2024021099	1 pole 2 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 35mm²...240mm²	Grey	27	1	27	16.7	400x300x245
98	SAT240-22	2024021100		Blue					
99	SAT240-23	2024021101		Yellow/green					
100	SAT240-24	2024021102		Brown					
101	SAT240-25	2024021103		Black					
102	SAT240-26	2024021104		Red					
103	SAT240-31	2024021105	1 pole 3 ways, add-on design Al/Cu universal terminal block, acceptable for both Al/Cu cable/wire, 35mm²...240mm²	Grey	27	1	27	23	400x300x245
104	SAT240-32	2024021106		Blue					
105	SAT240-33	2024021107		Yellow/green					
106	SAT240-34	2024021108		Brown					
107	SAT240-35	2024021109		Black					
108	SAT240-36	2024021110		Red					

PRODUCT APPLICATION

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



connect the safety, connect the future!



SECSTRONG

WENZHOU STRONG ELECTRIC CO.,LTD.

MARKETING AND SERVICE

connect the safety, connect the future!



Al/Cu universal terminal block

WENZHOU STRONG ELECTRIC CO.,LTD.

Add: 5F,No.101,Building No.19, No.176 Yanyun Road,
Kunpeng street,Marine economic development demonstration zone,
Wenzhou,Zhejiang,China; PC.:325026

Mob.:+86-188-1519 7570(WhatsApp / Wechat)

Tel.: +86-577-8801 9159

Fax:+86-577-8988 8129

E-mail:bruce.lee@secstrong.com

www.secstrong.com



CB

CE

UK
CA

RoHS