

Guochang

ESQ series

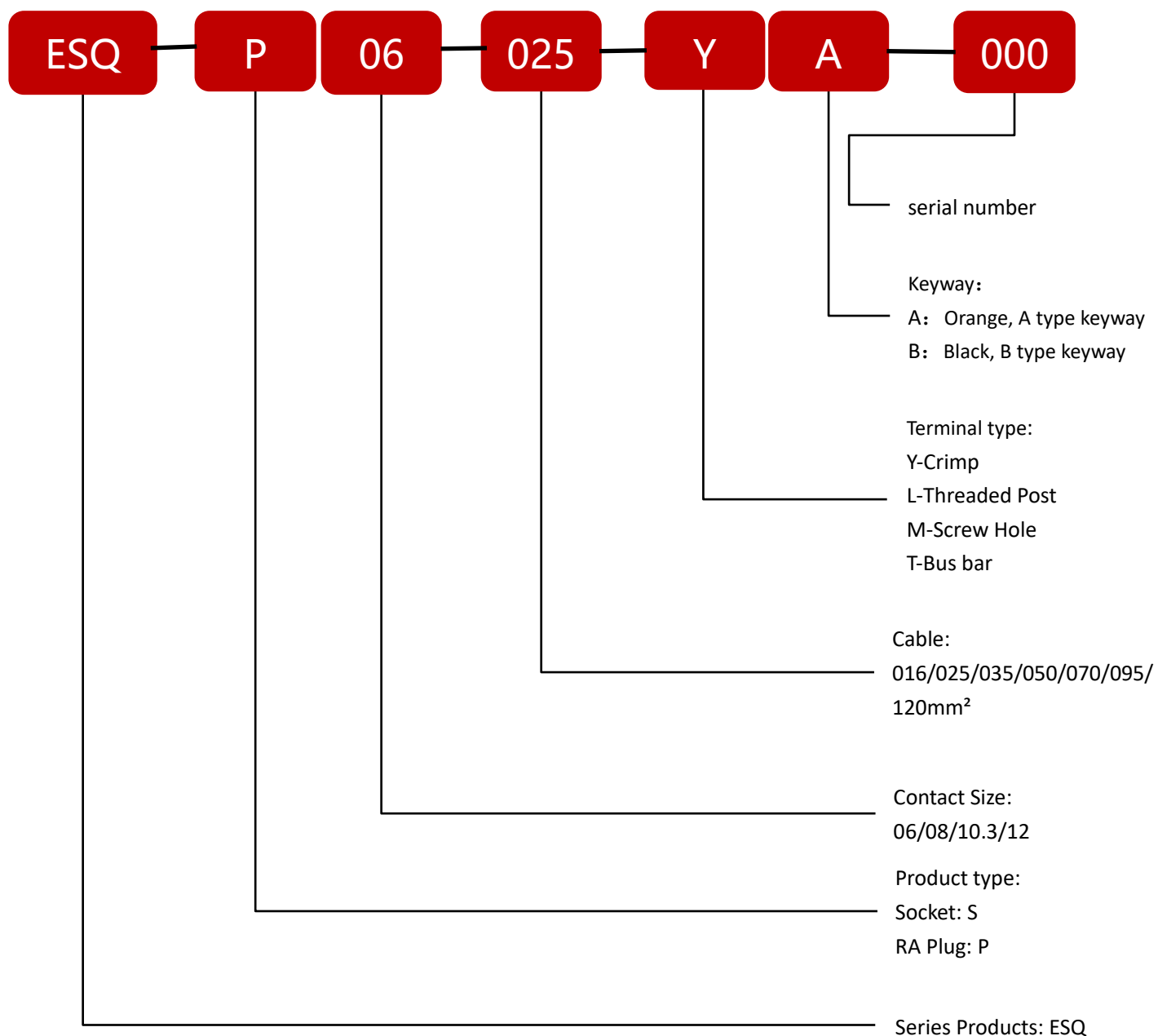
Specification



Product Introduction

This series of products is a new generation connection scheme in the energy storage field, and has applied for an invention patent from the China National Intellectual Property Administration. The product features key positions, dual error prevention for positive and negative pole colors, secondary locking buckle, 360 ° rotation at any angle, blind insertion capability, and fast product installation. The product also standardizes copper components in design, improving versatility and reducing usage costs. The waterproof level of the product is IP67, and the current design covers a range of 100A-400A.

【Model designation】



【Product performance】

Mechanical Characteristics

Number of cores	One-core
Mechanical life	100 times
Vibration level	QC/T1067.1-2017 V1

Electrical Characteristics

Rated current	6mm: 150A max; / 8mm: 250A max; / 10.3mm: 300A max/ 12mm: 400A max
Rated voltage	1500V DC
Withstand voltage	6800V DC
Insulation resistance	5000MΩ

Note: The above insulation resistance values are tested at temperatures below 40℃ and humidity below 50%RH; When the humidity is above 95%, the insulation resistance is greater than or equal to 300MΩ.

Environmental Characteristics

Protection grade	IP67
Operating temperature	-40℃~125℃
Salt spray grade	Neutral salt spray 48h

Main Materials

Shell	PA
Sealing	Silicon
Contacts	Copper, Silver Plating

Contact Size	Cable	Rated Current
6mm	16mm ² /25mm ² /35mm ²	100A/120A/150A
8mm	35mm ² /50mm ² /70mm ²	150A/200A/250A
10.3mm	70mm ² /95mm ²	250A/300A
12mm	95mm ² /120mm ² /150mm ²	300A/350A/400A

【ESQ Series】

ESQ 100A ES Connector

ESQ 100A Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P- RA Plug	6	16 (6AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P06-016-YA ESQ-P06-016-YB
	S- Socket	6	16 (6AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S06-016-YA ESQ-S06-016-YB
				L- Threaded Post		ESQ-S06-016-LA ESQ-S06-016-LB
				M-Screw Hole		ESQ-S06-016-MA ESQ-S06-016-MB
				T- Bus bar		ESQ-S06-016-TA ESQ-S06-016-TB

ESQ 100A Technical Parameter

ESQ-P06-016 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	60N MAX	Cable O.D.	9-9.2mm
Separation Force	>10N	Cable section area	16mm ² (6AWG)
Rated voltage	1500V	Cable strip length	10-11mm
Rated current	100A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S06-016 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

ESQ 120A ES Connector

ESQ 120A Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	6	25 (4AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P06-025-YA ESQ-P06-025-YB
	S-Socket	6	25 (4AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S06-025-YA ESQ-S06-025-YB
				L-Threaded Post		ESQ-S06-025-LA ESQ-S06-025-LB
				M-Screw Hole		ESQ-S06-025-MA ESQ-S06-025-MB
				T-Bus bar		ESQ-S06-025-TA ESQ-S06-025-TB

ESQ 120A Technical Parameter

ESQ-P06-025 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	60N MAX	Cable O.D.	10-10.5mm
Separation Force	>10N	Cable section area	25mm ² (4AWG)
Rated voltage	1500V	Cable strip length	10-11mm
Rated current	120A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S06-025 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

ESQ 150A ES Connector

ESQ 150A (Small size) Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	6	35 (2AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P06-035-YA ESQ-P06-035-YB
	S-Socket	6	35 (2AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S06-035-YA ESQ-S06-035-YB
				L-Threaded Post		ESQ-S06-035-LA ESQ-S06-035-LB
				M-Screw Hole		ESQ-S06-035-MA ESQ-S06-035-MB
				T-Bus bar		ESQ-S06-035-TA ESQ-S06-035-TB

ESQ 150A (Small size) Technical Parameter

ESQ-P06-035 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	60N MAX	Cable O.D.	11.4-12.5mm
Separation Force	>10N	Cable section area	35mm ² (2AWG)
Rated voltage	1500V	Cable strip length	10-11mm
Rated current	150A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S06-035 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

ESQ 150A ES Connector

ESQ 150A Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	8	35 (2AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P08-035-YA ESQ-P08-035-YB
	S-Socket	8	35 (2AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S08-035-YA ESQ-S08-035-YB
				L-Threaded Post		ESQ-S08-035-LA ESQ-S08-035-LB
				M-Screw Hole		ESQ-S08-035-MA ESQ-S08-035-MB
				T-Bus bar		ESQ-S08-035-TA ESQ-S08-035-TB

ESQ 150A Technical Parameter

ESQ-P08-035 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	60N MAX	Cable O.D.	11.4-12.5mm
Separation Force	>10N	Cable section area	35mm ² (2AWG)
Rated voltage	1500V	Cable strip length	14-15mm
Rated current	150A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S08-035 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

ESQ 200A ES Connector

ESQ 200A Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	8	50 (1/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P08-050-YA ESQ-P08-050-YB
	S-Socket	8	50 (1/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S08-050-YA ESQ-S08-050-YB
				L-Threaded Post		ESQ-S08-050-LA ESQ-S08-050-LB
				M-Screw Hole		ESQ-S08-050-MA ESQ-S08-050-MB
				T-Bus bar		ESQ-S08-050-TA ESQ-S08-050-TB

ESQ 200A Technical Parameter

ESQ-P08-050 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	100N MAX	Cable O.D.	13.6-15.6mm
Separation Force	>10N	Cable section area	50mm ² (1/0AWG)
Rated voltage	1500V	Cable strip length	14-15mm
Rated current	200A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S08-050 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

ESQ 250A ES Connector

ESQ 250A (Small size) Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	8	70 (2/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P08-070-YA ESQ-P08-070-YB
	S-Socket	8	70 (2/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S08-070-YA ESQ-S08-070-YB
				L-Threaded Post		ESQ-S08-070-LA ESQ-S08-070-LB
				M-Screw Hole		ESQ-S08-070-MA ESQ-S08-070-MB
				T-Bus bar		ESQ-S08-070-TA ESQ-S08-070-TB

ESQ 250A (Small size) Technical Parameter

ESQ-P08-070 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	100N MAX	Cable O.D.	15.4-17mm
Separation Force	>10N	Cable section area	70mm ² (2/0AWG)
Rated voltage	1500V	Cable strip length	14-15mm
Rated current	250A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S08-070 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

ESQ 250A ES Connector

ESQ 250A Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	10.3	70 (2/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P10.3-070-YA ESQ-P10.3-070-YB
	S-Socket	10.3	70 (2/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S10.3-070-YA ESQ-S10.3-070-YB
				L-Threaded Post		ESQ-S10.3-070-LA ESQ-S10.3-070-LB
				M-Screw Hole		ESQ-S10.3-070-MA ESQ-S10.3-070-MB
				T-Bus bar		ESQ-S10.3-070-TA ESQ-S10.3-070-TB

ESQ 250A Technical Parameter

ESQ-P10.3-070 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	100N MAX	Cable O.D.	15.4-17mm
Separation Force	>10N	Cable section area	70mm ² (2/0AWG)
Rated voltage	1500V	Cable strip length	15-16mm
Rated current	250A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S10.3-070 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

ESQ 300A ES Connector

ESQ 300A (Small size) Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	10.3	95 (3/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P10.3-095-YA ESQ-P10.3-095-YB
	S-Socket	10.3	95 (3/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S10.3-095-YA ESQ-S10.3-095-YB
				L-Threaded Post		ESQ-S10.3-095-LA ESQ-S10.3-095-LB
				M-Screw Hole		ESQ-S10.3-095-MA ESQ-S10.3-095-MB
				T-Bus bar		ESQ-S10.3-095-TA ESQ-S10.3-095-TB

ESQ 300A (Small size) Technical Parameter

ESQ-P10.3-095 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	100N MAX	Cable O.D.	17.6-18.3mm
Separation Force	>10N	Cable section area	95mm ² (3/0AWG)
Rated voltage	1500V	Cable strip length	15-16mm
Rated current	300A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S10.3-095 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

ESQ 300A ES Connector

ESQ 300A Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	12	95 (3/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P12-095-YA ESQ-P12-095-YB
	S-Socket	12	95 (3/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S12-095-YA ESQ-S12-095-YB
				L-Threaded Post		ESQ-S12-095-LA ESQ-S12-095-LB
				M-Screw Hole		ESQ-S12-095-MA ESQ-S12-095-MB
				T-Bus bar		ESQ-S12-095-TA ESQ-S12-095-TB

ESQ 300A Technical Parameter

ESQ-P12-095 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	100N MAX	Cable O.D.	17.6-18.3mm
Separation Force	>10N	Cable section area	95mm ² (3/0AWG)
Rated voltage	1500V	Cable strip length	15-16mm
Rated current	300A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S12-095 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

ESQ 350A ES Connector

ESQ 350A Product Selection

Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	12	120 (4/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P12-120-YA ESQ-P12-120-YB
	S-Socket	12	120 (4/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S12-120-YA ESQ-S12-120-YB
				L-Threaded Post		ESQ-S12-120-LA ESQ-S12-120-LB
				M-Screw Hole		ESQ-S12-120-MA ESQ-S12-120-MB
				T-Bus bar		ESQ-S12-120-TA ESQ-S12-120-TB

ESQ 350A Technical Parameter

ESQ-P12-120 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	100N MAX	Cable O.D.	19.6-20.4mm
Separation Force	>10N	Cable section area	120mm ² (4/0AWG)
Rated voltage	1500V	Cable strip length	15-16mm
Rated current	350A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	>5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S12-120 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

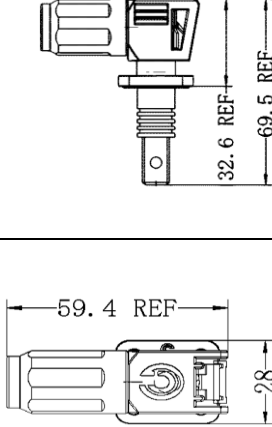
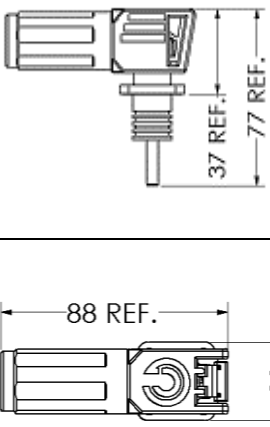
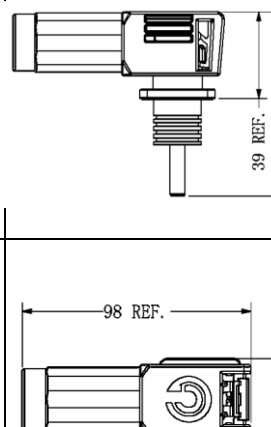
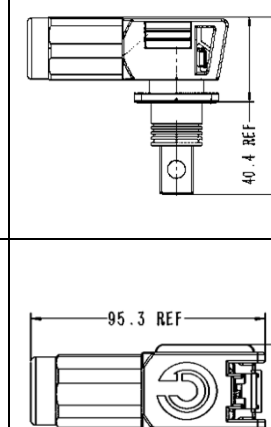
ESQ 400A ES Connector

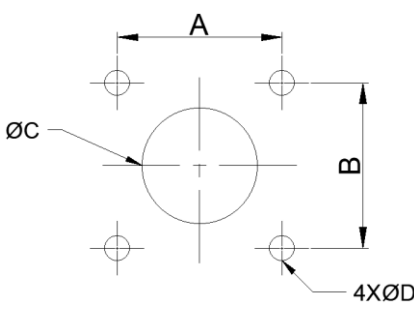
ESQ 400A Product Selection

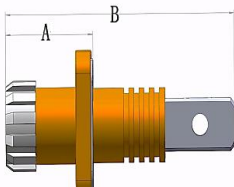
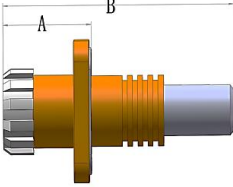
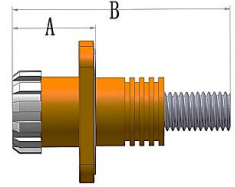
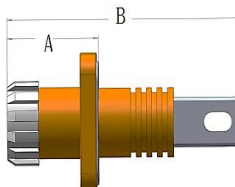
Product Series	Type	Contact Size (mm)	Cable (mm ²)	Terminal type	Keyway	P/N
ESQ	P-RA Plug	12	150 (5/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-P12-150-YA ESQ-P12-150-YB
	S-Socket	12	150 (5/0AWG)	Y-Crimp	A: Orange, A type keyway B: Black, B type keyway	ESQ-S12-150-YA ESQ-S12-150-YB
				L-Threaded Post		ESQ-S12-150-LA ESQ-S12-150-LB
				M-Screw Hole		ESQ-S12-150-MA ESQ-S12-150-MB
				T-Bus bar		ESQ-S12-150-TA ESQ-S12-150-TB

ESQ 400A Technical Parameter

ESQ-P12-150 (Plug)			
Number of cores	1	Mechanical life	100
Engagement Force	100N MAX	Cable O.D.	22.5mm
Separation Force	> 10N	Cable section area	150mm ² (5/0AWG)
Rated voltage	1500V	Cable strip length	15-16mm
Rated current	400A	Connection mode	Crimp
Contact resistance	<0.5mΩ	Protection grade	IP67
Insulation resistance	> 5000mΩ	Operating temperature	-40℃~+125℃
Color	Orange/Black	Storage temperature	-40℃~+80℃
Contacts Material	Copper, Silver Plating	RoHS	Compliant
Shell Material	PA	Fire Rating	UL94 V-0
Sealing Material	Silicon	Product standards	UL4128
ESQ-S12-150 (Socket)			
Terminal type	Crimp、Bus bar、Threaded Post、Screw Hole	Layout torque	M4/0.4-0.7N.m

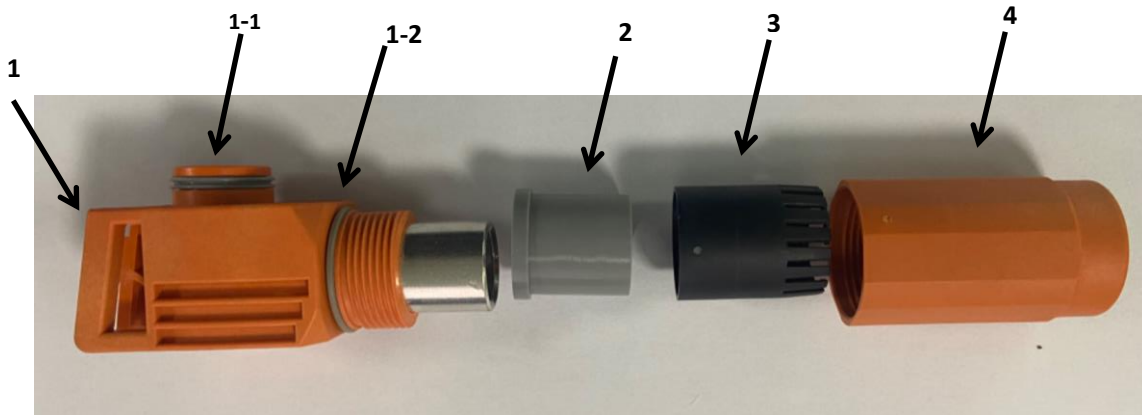
Contact Size	6mm	8mm	10.3mm	12mm
Outline diagram of product insertion				

Layout Dimensions					
Product	A	B	C	D	Figure
ESQ 100A	18±0.1	18±0.1	Φ14.4±0.2	M4	
ESQ 120A	18±0.1	18±0.1	Φ14.4±0.2	M4	
ESQ 150A(Small size)	18±0.1	18±0.1	Φ14.4±0.2	M4	
ESQ 150A	21±0.1	21±0.1	Φ18.4±0.2	M4	
ESQ 200A	21±0.1	21±0.1	Φ18.4±0.2	M4	
ESQ 250A(Small size)	21±0.1	21±0.1	Φ18.4±0.2	M4	
ESQ 250A	24.5±0.1	24.5±0.1	Φ22.5+0.2/-0	M4	
ESQ 300A(Small size)	24.5±0.1	24.5±0.1	Φ22.5+0.2/-0	M4	
ESQ 300A	27±0.1	27±0.1	Φ24.4±0.1	M4	
ESQ 350A	27±0.1	27±0.1	Φ24.4±0.1	M4	
ESQ 400A	27±0.1	27±0.1	Φ24.4±0.1	M4	

Socket								
Product	Screw Hole Termination		Crimp Termination		Screw Termination		Bus bar Termination	
								
	A	B	A	B	A	B	A	B
ESQ 100A	22	58.9	22	58.9	22	58.9	22	58.9
ESQ 120A	22	58.9	22	58.9	22	58.9	22	58.9
ESQ 150A (Small size)	22	58.9	22	58.9	22	58.9	22	58.9
ESQ 150A	20.5	64.2	20.5	64.2	20.5	64.2	20.5	64.2
ESQ 200A	20.5	64.2	20.5	64.2	20.5	64.2	20.5	64.2
ESQ 250A (Small size)	20.5	64.2	20.5	64.2	20.5	64.2	20.5	64.2
ESQ 250A	24.3	68.3	24.3	68.3	24.3	59.3	24.3	68.3
ESQ 300A (Small size)	24.3	68.3	24.3	68.3	24.3	59.3	24.3	68.3
ESQ 300A	25.3	69.5	25.3	69.5	25.3	69.5	25.3	69.5
ESQ 350A	25.3	69.5	25.3	69.5	25.3	69.5	25.3	69.5
ESQ 400A	25.3	69.5	25.3	69.5	25.3	69.5	25.3	69.5

Plug assembly instructions

I 、 Plug packaging content



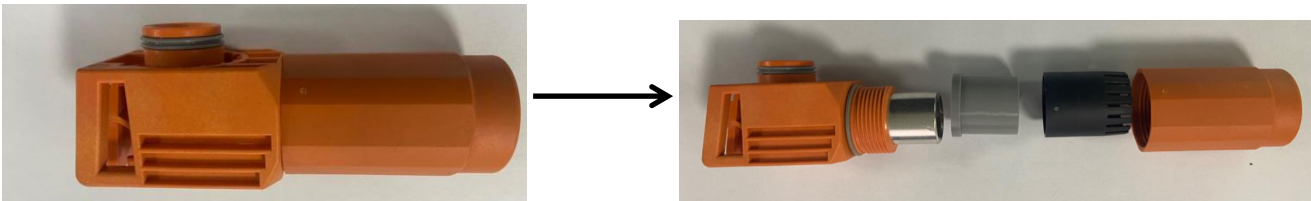
1. Socket body 2. Cable sealing ring 3. cable clamp 4. screw sleeve

1-1. Plug sealing ring

1-2. O-ring seal

II 、 Plug assembly

1、 After unscrewing the screw sleeve, take out the cable sealing ring and cable clamp



2、 Stripping length A, as shown in the schematic diagram below

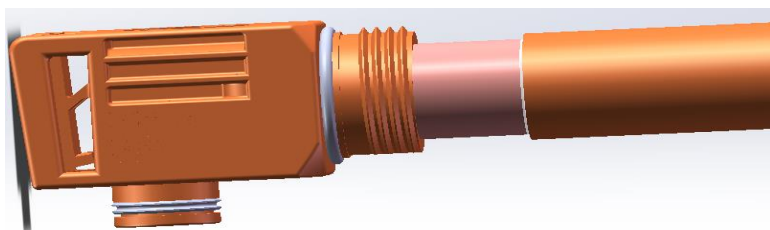


Current	Contact Size	Stripping length
100A/120A/150A	6mm	10-11mm
150A/200A/250A	8mm	14-15mm
250A/300A	10.3mm	15-16mm
300A/350A/400A	12mm	15-16mm

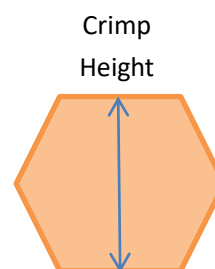
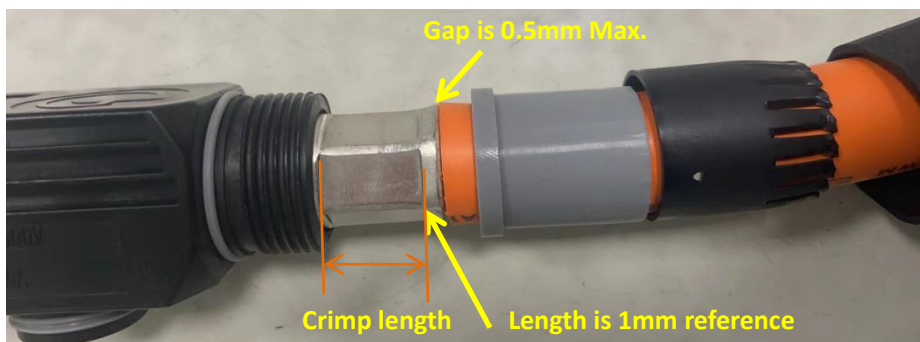
3、Install the screw sleeve, cable clamp, and cable sealing ring onto the cable in sequence as shown in the following figure



3.1 Install the cable into the socket body



3.2 Crimping cable



Current	Contact size	Cable specifications	Crimp height	Crimp length
100A	6mm	16mm ²	7.2mm	8mm
120A		25mm ²	8.1mm	8mm
150A (Small size)		35mm ²	9.2mm	8mm
150A	8mm	35mm ²	9.2mm	13mm
200A		50mm ²	11.3mm	13mm
250A (Small size)		70mm ²	14.5mm	13mm
250A	10.3mm	70mm ²	14.5mm	13mm
300A (Small size)		95mm ²	15.5mm	13mm
300A	12mm	95mm ²	15.5mm	13mm
350A		120mm ²	16.5mm	13mm
400A		150mm ²	18.5mm	13mm

3.3 Assemble the sealing ring, cable clamp, and screw sleeve

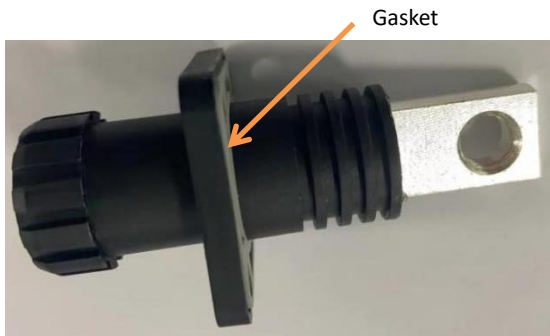
Sequentially attach the cable sealing ring, cable clamp, and screw sleeve to the socket body, and finally tighten the screw sleeve with a torque wrench. The locking torque is shown in the table below.

Current	Contact size	Locking torque
100A/120A/150A (Small size)	6mm	0.5-0.6N.m
150A/200A/250A (Small size)	8mm	0.5-0.6N.m
250A/300A (Small size)	10.3mm	0.5-0.6N.m
300A/350A/400A	12mm	0.5-0.6N.m



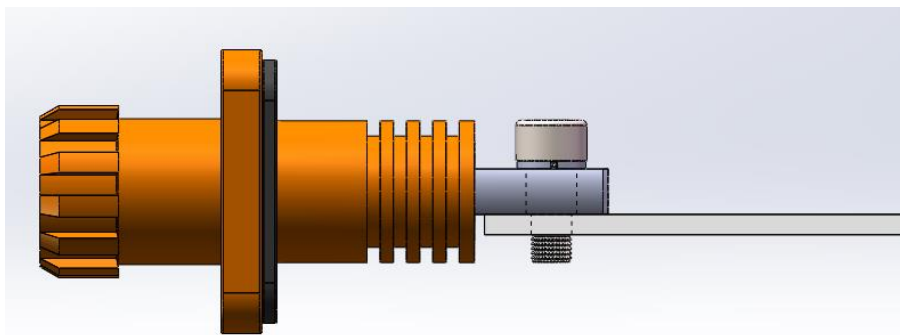
4、Socket assembly instructions

4.1 Socket packaging instructions



4.2 Socket assembly

4.2.1 Lock the bus bar or copper nose onto the socket, Use a torque wrench to attach the busbar or copper nose to the socket. The torque is shown in the table below.



Current	Contact size	Locking torque
100A/120A/150A (Small size)	6mm	3N.m
150A/200A/250A (Small size)	8mm	4N.m
250A/300A (Small size)	10.3mm	6N.m
300A/350A/400A	12mm	6N.m

4.3 Lock the socket onto the mounting panel with M4 bolts, torque 0.4-0.7N.m



【Instructions for Use】

 When using, do not exceed the rated Current and voltage	● Current and voltage overload can lead to faults and accidents. ● If the connector is plugged or unplugged while energized, it can cause malfunctions and accidents. Therefore, please plug or unplug the connector when it is not powered on.	 Please confirm the usage environment	● Do not use in areas with high temperature and humidity. ● If not used in the environment required by the specifications, it may lead to malfunctions. So please do not use it in this situation.
 Do not use when applying external force to the connector	● Do not power on connectors and wires under stress. If subjected to excessive external force, it may be damaged and cause malfunctions and accidents, so please do not use it in this situation. ● The connector is designed as a connecting component of a circuit. Do not use the connector as part of a structural object such as a casing.	 Please use with caution	● The connector is a precision component, please be careful when using it. ● Please be cautious and careful from the moment you open the packaging. Even products packaged with straps and packaging tubes can still cause terminal deformation, bending, and detachment after being strongly impacted.

【Transportation and Storage】

- The product should be stored in a clean and dry environment, and there should be no acid, alkali, or other corrosive gases around the warehouse.
- The storage temperature of the product is -10 ℃ to 40 ℃, and the relative humidity is ≤ 80%.
- Silver plated products should be stored away from light and sealed. Prolonged exposure to air or contact with sulfides is strictly prohibited, and bare hands should be avoided from touching.
- The product can be used for regular transportation, and collision, severe vibration, rain and snow, water immersion, etc. should be avoided during transportation.