

MAKING ELECTRICAL CONNECTIONS
SAFER AND MORE CONVENIENT.

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Website



Professional Waterproof Connector Product Overview 2025

Shenzhen Weichat Technology Co.,Ltd



COMPANY PROFILE

Year Established: 2016

Business Type: IP68 Waterproof Connectors, IP68 Waterproof Junction Boxes, Industrial & Device Connectors, New Energy Storage Connectors, PV Connectors...

Operations: Shenzhen, China. 6,300+ Sqm Manufacturing Base, 30+ Technical Team, 160+ Manpower

Factory Qualifications: ISO9001, ISO14001, ISO13485, IATF16949

Product Certificates: UL/cUL, TUV, CE, UKCA, SAA, RoHS, CQC

Mission: Making electrical connections safer and more convenient

Business Philosophy: Quality First, Customer First, Integrity, Initiative, Innovation, Keep Improving.



CERTIFICATES & QUALIFICATIONS

Weichat has been qualified with ISO9001, ISO14001, ISO13485 and IATF16949, and its products have obtained dozens of patents and certifications at home and abroad, like UL, cUL, TUV, UKCA, CE, SAA, CQC and RoHS...



HONORS

ENGINEER R&D TEAM

Weichat has a R&D team with nearly 10 years experience, which can help us to achieve 3 days for prototyping and 20 days for molding. OEM and ODM are acceptable. We can support our clients to turn their concepts into real products, and provide one stop solutions.

R&D team **30+**

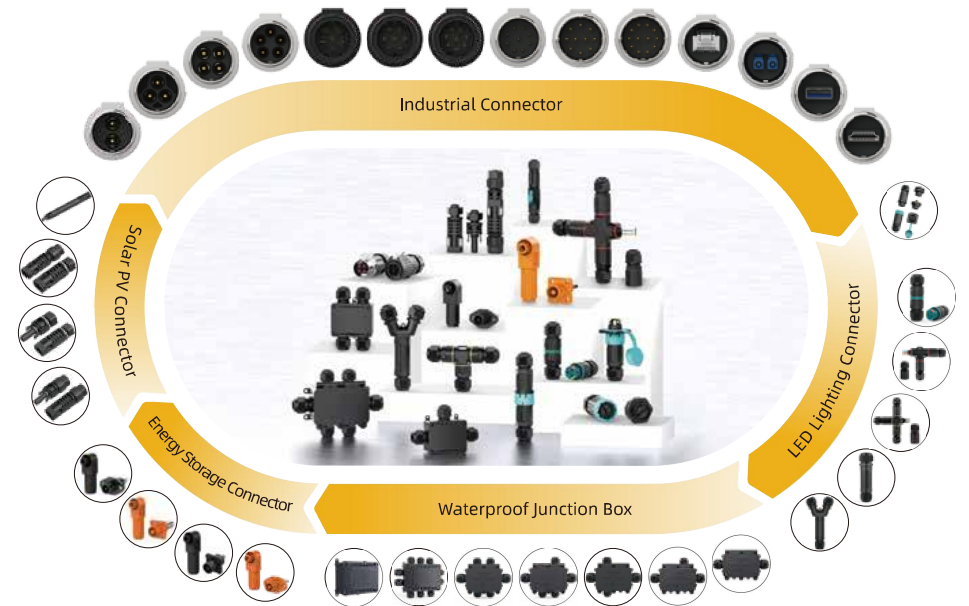
Testing equipment **50+**

Automatic production **50+**



E-Weichat product

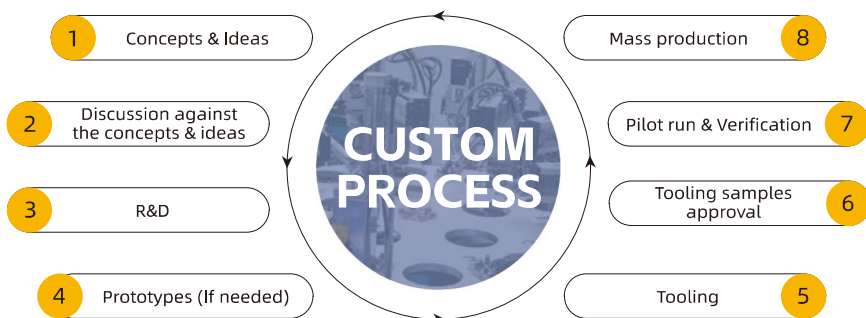
Weichat provides you with various types of IP68 waterproof industrial connectors, lighting connectors, junction boxes, energy storage connectors...



Manufacturing

Manufacturing Base: 6300+ Sqm / 68,000+ Sqf
Production Equipment: 100+

Man Power: 160+
Annual Production Capacity: 10,000,000+





EW-LP series

EW-LP series connectors adopt high precision and high quality one-key pluggable design, which integrates self-locking, waterproof, dustproof, and anti-UV features. The dimensions range from LP12 to LP28, including power supply, signal, and data applications. The LP series connectors are widely used in many kinds of challenging environments, such as communication, new energy, medical, robot, automation, LED display and many other industries.



Dimension drawing (REF)

Category	S-terminal/Plug		L-terminal/Cable mount socket		Flange			Rear panel				
	Diagram		Diagram		Diagram			Diagram				
	A	B	A	B	A		B	A		B		
					Solder	Screw	Crimping		Solder	Screw	Crimping	B
EW-LP12	23.2	47	19.3	48.3	22.2	27.4	×	20.8	24.2	27.4	×	19.3
EW-LP16	32	60	25.5	60	28.5	32	×	31.5	28.5	32	×	25.5
EW-LP20	38	70	31.8	72	31.2	×	×	32.7	31.2	×	×	31.8
EW-LP24	41.2	73.4	35	72.3	37.4	38.9	×	36.8	37.4	38.9	×	35
EW-LP28	53	93	43	92.8	×	53.5	48.3	41.5	×	53.5	48.3	43
EW-LP32	56	94	48.7	95	×	×	51.9	48.2	×	×	51.9	48.7

Panel/flange mounting dimensions

Category	Rear panel mount		Flange mount			
	Diagram		Diagram			
	ϕA	B	ϕC	ϕD	A	B
EW-LP12	$\phi 12$ ^{+0.2} / _{-0.0}	11.5 ^{+0.2} / _{-0.0}	$\phi 2.3$ ^{+0.2} / _{-0.0}	$\phi 12$ ^{+0.2} / _{-0.0}	13±0.1	13±0.1
EW-LP16	$\phi 18.5$ ^{+0.2} / _{+0.0}	16.5 ^{+0.2} / _{-0.0}	$\phi 3.2$ ^{+0.2} / _{+0.0}	$\phi 16.5$ ^{+0.2} / _{-0.0}	20±0.1	20±0.1
EW-LP20	$\phi 22.5$ ^{+0.2} / _{-0.0}	20 ^{+0.2} / _{-0.0}	$\phi 3.2$ ^{+0.2} / _{-0.0}	$\phi 21$ ^{+0.2} / _{-0.0}	22±0.15	22±0.15
EW-LP24	$\phi 25.2$ ^{+0.2} / _{+0.0}	23.7 ^{+0.2} / _{-0.0}	$\phi 3.2$ ^{+0.2} / _{-0.0}	$\phi 24$ ^{+0.2} / _{-0.0}	26±0.1	26±0.1
EW-LP28	$\phi 29.5$ ^{+0.2} / _{-0.0}	28 ^{+0.2} / _{-0.0}	$\phi 3.2$ ^{+0.2} / _{-0.0}	$\phi 28$ ^{+0.2} / _{-0.0}	28±0.1	28±0.1
LW-LP32	$\phi 35.2$ ^{+0.2} / _{+0.0}	33.7 ^{+0.2} / _{-0.0}	$\phi 3.2$ ^{+0.1} / _{-0.0}	$\phi 33.5$ ^{+0.2} / _{-0.0}	$\phi 32 \pm 0.15$	$\phi 32 \pm 0.15$



EW-LP12

Power Supply: 2/3/4/5Pin				Signal: 6/7/8Pin			
Number of poles	2Pin	3Pin	4Pin	5Pin	6Pin	7Pin	8Pin
Soldering contact part	φ1*2	φ1*3	φ1*4	φ1*5	φ1*6	φ0.8*7	φ0.8*8
Screw contact part	φ1*2	φ1*3	x	x	x	x	x
Wire section	0.5mm ² /20AWG			0.34mm ² /22AWG			
Rated voltage	125V			100V			
Rated current	5A			3A			
Withstand voltage	1500V AC			1000V AC			
Contact resistance	≤ 5mΩ						
Temperature rise	5A 45K ↓			3A 45K ↓			
Insulation resistance	≥ 500MΩ						
Ambient temperature	-40°C~+85 °C						
Burn-in test	85°C 168H						
Mating cycle	≥ 1900 times						
IP Code	IP67 (IP68 Optional: 1M/2H)						
Outer cable diameter	φ5 ~ 7mm						



EW-LP16

Power Supply: 2/3/4Pin				Signal: 5/7/8/9Pin			
Number of poles	2Pin	3Pin	4Pin	5Pin	7Pin	8Pin	9Pin
Soldering contact part	φ1.5*2	φ1.5*3	φ1.5*4	φ1*5	φ1*7	φ1*8	φ1.0*9
Screw contact part	φ1.5*2	φ1.5*3	φ1.5*4	φ1*5	x	x	x
Wire section	1.5mm ² /16AWG			0.5mm ² /20AWG			
Rated voltage	400V			250V			
Rated current	10A (Stamping terminal 2/3 core 20A)			5A			
Withstand voltage	2000V AC			1500V AC			
Contact resistance	<3mΩ			<5mΩ			
Insulation resistance	≥ 1000MΩ						
Ambient temperature	-40°C~+85 °C						
Burn-in test	85°C 168H						
Mating cycle	≥ 1900 times						
IP Code	IP67 (IP68 Optional: 1M/2H)						
Outer cable diameter	Power supply class: φ7~9mm			Signal class: φ4~6.5mm			
Others	RJ45、Type-C、2+3pin						



EW-LP16-TYPE-C

Part Type	LP16 Series
Product Type	TYPE-C
Rated Current	3A
Operating Voltage	DC 20V
Pressure Resistance	AC 100V
Flame Retardant Grade	UL94V-0
Mechanical Life span	≥ 1900 times
Ambient Temperature	-40°C ~ +85°C
Vibration	5 ~ 200Hz, 5mm, 10m/s 0.10us
Salt spray Test	PH6.5-7.2, NaCl, 5% 48H
IP Rating	IP67(1m /0.5h)
contact part	Copper alloy/Gilding
Shell	PBT / zinc alloy
Insulator	PBT
Water seal	Silicone rubber



EW-LP16-RJ45

Wiring Method	Registered jack
Wire section	26 AWG
Rated Current	1.5A
Operating Voltage	125 V AC
Pressure Resistance	1000V AC
Contact resistance	<50m Ω
Insulation resistance	≥ 100m Ω
Mating cycle	≥ 1900 times
Ambient Temperature	-40~+85°C
Burn-in test	85°C /168 h
Flame Retardant Rating	UL94 V-0
Salt spray Test	PH6.5-7.2, NaCl, 5% 48h
IP Code	IP67(1m /0.5h)
Outer cable diameter	(φ4.0-φ6.5)mm
contact part	Ling copper / Gilding
Shell	Zinc alloy / PBT
Insulator	PBT
Water seal	Silicone rubber



EW-LP20

Power supply: 2/3/4Pin		signal: 5/6/7/9/12Pin							
Number of poles	2Pin	3Pin	4Pin	5Pin	6Pin	7Pin	9Pin	12Pin	14Pin
Soldering contact part	φ2.7*2	φ2.7*3	φ2.7*4	φ1.8*5	x	φ1.8*7	φ1*9	φ1*12	φ1*14
Screw contact part	φ2.7*2	φ2.7*3	φ2.7*4	φ1.8*5	φ1.8*6	φ1.8*7	x	x	x
Wire section	2.5~4mm ² 14~12AWG		1~1.5mm ² 18~16AWG			0.34~0.75mm ² 22~20AWG			
Rated voltage	500V AC(Stamping terminals 600V AC)			250V AC					
Rated current	20A (Stamping version: 2-pin 30A, 3-pin 25A, 4-pin 15A)			10A			5A		
Withstand voltage	2500V AC(Stamping Version 4000V AC)			2000V AC			1500V AC		
Contact resistance	<1mΩ			<3mΩ			<5mΩ		
Temperature rise	20A 30K ↓ 25A 40K ↓ 30A 50K ↓			10A 30K ↓ 15A 40K ↓ 20A 50K ↓			5A 30K ↓ 7A 40K ↓ 10A 50K ↓		
Insulation resistance	≥ 1000MΩ								
Ambient temperature	-40°C~+85 °C								
Burn-in test	85°C 168H								
Mating cycle	≥ 1900 times								
IP Code	IP67 (Customizable IP68: 1M/2H)								
Salt spray Test	PH6.5-7.2, NaCl, 5% 48h								
Outer cable diameter	φ9~12mm (Single hole φ12mm) φ5~6.5mm (Single hole φ6.5mm)								
contact part	Copper alloy								
Shell	PBT / Zinc alloy								
Insulator	PBT								
Water seal	Silicone rubber								



EW-LP24

Power Supply: 2/3/4/5Pin		Signal: 10/12/19/24Pin						
Number of poles	2Pin	3Pin	4Pin	5Pin	10Pin	12Pin	19Pin	24Pin
Soldering contact part	φ3*2	φ3*3	φ3*4	×	φ1.5*10	φ1.5*12	φ1*19	φ1*24
Screw contact part	φ3*2	φ3*3	φ3*4	φ2*5	×	×	×	×
Wire section	6mm ² /10AWG 4mm ² /12AWG		4mm ² 12AWG	2.5mm ² 14AWG	1.5mm ² 16AWG		0.5mm ² 20AWG	
Rated voltage	300V/500V AC		500V AC	500V AC	400V AC		250V AC	
Rated current	35A/25A		25A	20A	10A		5A	
Withstand voltage	2000V AC		2000V AC	2000V AC	1500V AC		1000V AC	
Contact resistance	<1mΩ		<1mΩ	<1mΩ	<3mΩ		<5mΩ	
Temperature rise	35A 45K ↓ 25A 45K ↓		25A 45K ↓	20A 45K ↓	10A 45K ↓		5A 45K ↓	
Insulation resistance	≥1000MΩ							
Ambient temperature	-40°C~+85 °C							
Burn-in test	85°C 168H							
Mating cycle	≥1900 times							
IP Code	IP67 (IP68 Optional: 1M/2H)							
Outer cable diameter	φ9.5-14mm							
product name	EW-LP24-USB	EW-LP24-HDMI	EW-LP24-RJ45	EW-LP24-FIBER				
Rated voltage	5V	5V	125V	/				
Rated current	900mA	0.5A	1.5A	/				
Return loss	/	/	/	≥50dB				
Insertion loss	/	/	/	≤0.35dB				

EW-LP28

Power Supply: 2/3Pin		Power supply and signal: 3/5Pin (Line pressing style)				
Number of poles	2Pin	3Pin	3Pin		5Pin	
Soldering contact part	×	×	φ3.5*3	φ1.5	φ3.5*5	φ1.5
Screw contact part	φ4*2	φ4*3	×	×	×	×
Wire section	10mm ²		2.5mm ² 6mm ²	0.5mm ²	2.5mm ² 6mm ²	0.5mm ²
Rated voltage	500V		480V	/	480V	/
Rated current	50A		16A, 32A	3A	16A, 32A	3A
Withstand voltage	2500V AC		2500V AC	/	2500V AC	/
Contact resistance	≤1mΩ					
Temperature rise	50A 45K ↓		16A 45K ↓ / 32A 45K ↓			
Insulation resistance	≥1000MΩ					
Ambient temperature	-40°C~+85 °C					
Burn-in test	85°C 168H					
Mating cycle	>600 times					
IP Code	IP67 (IP68 Optional: 1M/2H)					
Outer cable diameter	φ16.5-18.5mm		φ10.5-16.5mm			

EW-LP32

Power Supply: 2/3/4/5Pin				
Number of poles	2Pin	3Pin	4Pin	5Pin
Crimping contact part	φ6.0*2	φ5.0*3	φ5.0*4	φ3.6*5
Wire section	4mm ² -25mm ²		4mm ² -16mm ²	2.5mm ² -10mm ²
Rated voltage	600V AC		600V AC	300V AC
Rated current	120A		80A	50A
Withstand voltage	3000V/AC		3000V/AC	2000V/AC
Contact resistance	≤0.7mΩ		≤1mΩ	≤1mΩ
Temperature rise	120A≤45K		80A≤45K	50A≤45K
Insulation resistance	≥1000MΩ			
Mating cycle	≥500 times			
Ambient temperature	-40°C~+85 °C			
Burn-in test	85°C / 168h			
pH value	PH6.5-7.2, NaCl, 5% 48h			
IP Code	IP68 (2m / 2h)			
Rubber ring	φ25.0MAX			



SF series

The SF series connectors adopt a high-precision and high-quality push-pull self-locking design, which is simple and convenient to use. The contact pieces are made of copper rods and are gold-plated on the surface, providing better electrical conductivity. With IP67-level protection, they are not afraid of rainwater. The specially designed structure can effectively prevent wind, dust and water from entering. The all-metal housing structure makes the connector more resistant to drops and impacts. The metal housing also makes the connector more fire-resistant and safer.



SF6

Number of poles	2Pin	3Pin	4Pin	5Pin
Layout				
Withstand Voltage	500V AC			
Rated Voltage	110V AC			
Rated Current	2.5A			
Wire section	< 0.5 mm ² /20 AWG			
Contact resistance	20mΩ			
IP Rating	IP67			
Outer cable diameter	φ3~4mm			

SF8

Number of poles	2Pin	3Pin	4Pin	6Pin	8Pin
Layout					
Withstand Voltage	1000V AC		500V AC		
Rated Voltage	125V AC		30V AC		
Rated Current	5A		3A		
Wire section	< 0.75 mm ² /18 AWG		< 0.5 mm ² /20 AWG		
Contact resistance	5mΩ		10mΩ		
IP Rating	IP67		IP67		
Outer cable diameter	φ4~5mm				

SF10

Number of poles	2Pin	3Pin	4Pin	5Pin
Layout				
Withstand Voltage	1000V AC		1000V AC	
Rated Voltage	180V AC		125V AC	
Rated Current	5A		3A	
Wire section	< 0.75 mm ² /18 AWG		< 0.5 mm ² /20 AWG	
Contact resistance	5mΩ		10mΩ	
IP Rating	IP67		IP67	
Outer cable diameter	φ4~5mm			

Overall dimensions (REF)

Category	S-terminal/Plug		L-terminal Cable mount socket		Flange		Rear panel	
	A	B	A	B	A	B	A	B
SF6	11	30	7.76	28	/	/	12.5	φ10.3
SF8	12.5	30	9.31	30	/	/	12.5	φ12.8
SF10	14.38	43.9	11	45.6	/	/	19.8	φ14.8
SF12	17.5	46	13.8	46	20	18	20	φ18
SF16	22.5	56	18.4	56.3	22.1	26	22.1	φ23
SF20	26.5	63	22	64	23.3	30	23.3	φ28.6
SF28	34.5	67.5	29.8	68.35	23.35	37	23.7	φ34.45

The dimensions of the panel / flange end

Category	Rear panel mount		Flange mount			
	φA	B	φC	φD	A	B
SF6	φ6	5.6	/	/	/	/
SF8	φ7.6	8	/	/	/	/
SF10	φ10	9.5	/	/	/	/
SF12	φ12	11.5	φ2.3	φ12	φ13	φ13
SF16	φ16	15.5	φ3.2	φ16	φ20	φ20
SF20	φ20	19.5	φ3.2	φ20	φ22	φ22
SF28	φ28	/	φ3.2	φ28	φ30	φ30



SF12			
Number of poles	2Pin	3Pin	4Pin
Layout			
Withstand Voltage	1500V AC		1500V AC
Rated Voltage	250V AC		200V AC
Rated Current	13A		5A
Wire section	<math><2\text{mm}^2/14\text{AWG}</math>		<math><2\text{mm}^2/14\text{AWG}</math>
Contact resistance	2.5m Ω		2.5m Ω
IP Rating	IP67		IP67
Outer cable diameter	$\phi 4\sim 6.5\text{mm}$		



SF20					
Number of poles	2Pin	3Pin	3BPin	4Pin	5Pin
Layout					
Withstand Voltage	1500V AC				
Rated Voltage	500V AC				
Rated Current	25A				
Contact resistance	1m Ω				
Insulation resistance	2000m Ω				
IP Rating	IP67				
Outer cable diameter	$\phi 8\sim 12\text{mm}$				

Number of poles	5Pin	6Pin	7Pin	9Pin
Layout				
Withstand Voltage	1000V AC	1000V AC	1000V AC	1000V AC
Rated Voltage	180V AC	125V AC	125V AC	125V AC
Rated Current	5A	5A	5A	3A
Wire section	<math><2\text{mm}^2/14\text{AWG}</math>	<math><2\text{mm}^2/14\text{AWG}</math>	<math><0.75\text{mm}^2/18\text{AWG}</math>	<math><0.75\text{mm}^2/18\text{AWG}</math>
Contact resistance	5m Ω	5m Ω	5m Ω	5m Ω
IP Rating	IP67			
Outer cable diameter	$\phi 4\sim 6.5\text{mm}$			

Number of poles	6Pin	7Pin	8Pin	9Pin	10Pin	12Pin
Layout						
Withstand Voltage	1500V AC	1500V AC	1500V AC			1200V AC
Rated Voltage	500V AC	500V AC	500V AC			400V AC
Rated Current	15A	10A	5A			5A
Contact resistance	2.5m Ω	2.5m Ω	5m Ω			5m Ω
Insulation resistance	2000m Ω					
IP Rating	IP67					
Outer cable diameter	$\phi 8\sim 12\text{mm}$					



SF16		
Number of poles	2Pin	3Pin
Layout		
Withstand Voltage	1500V AC	
Rated Voltage	500V AC	
Rated Current	10A	
Contact resistance	2.5m Ω	
Insulation resistance	2000m Ω	
IP Rating	IP67	
Outer cable diameter	$\phi 5\sim 8\text{mm}$	$\phi 9\sim 12\text{mm}$



SF28					
Number of poles	2Pin	3Pin	3BPin	4Pin	5Pin
Layout					
Withstand Voltage	1500V AC				
Rated Voltage	500V AC				
Rated Current	25A				
Contact resistance	1m Ω				
Insulation resistance	2000m Ω				
IP Rating	IP67				
Outer cable diameter	$\phi 13\sim 16\text{mm}$				

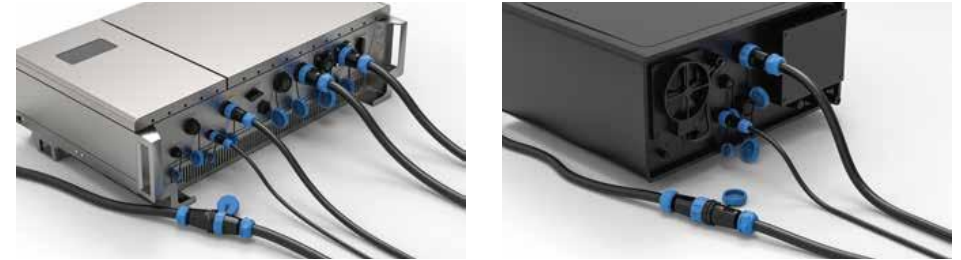
Number of poles	4Pin	5Pin	7Pin	9Pin
Layout				
Withstand Voltage	1500V AC		1200V AC	
Rated Voltage	500V AC		400V AC	
Rated Current	5A		5A	
Contact resistance	5m Ω		5m Ω	
Insulation resistance	2000m Ω			
IP Rating	IP67			
Outer cable diameter	$\phi 5\sim 8\text{mm}$	$\phi 9\sim 12\text{mm}$		

Number of poles	6Pin	7Pin	8Pin	9Pin	10Pin	12Pin
Layout						
Withstand Voltage	1500V AC	1500V AC	1500V AC			1200V AC
Rated Voltage	500V AC	500V AC	500V AC			400V AC
Rated Current	15A	10A	5A			5A
Contact resistance	2.5m Ω	2.5m Ω	5m Ω			5m Ω
Insulation resistance	2000m Ω					
IP Rating	IP67					
Outer cable diameter	$\phi 13\sim 16\text{mm}$					



SP series

The SP series of mating circular connectors feature a stable screw locking mechanism, excellent sealing performance, and can achieve an IP68 protection level when in a connected state. They are not affected by rainwater and can effectively prevent water from entering. Even in harsh outdoor weather conditions, they maintain excellent waterproof performance, ensuring the normal operation of your industrial equipment without interruption. The corrosion-resistant, flame-retardant, and anti-aging thermoplastic material ensures a fire resistance rating of V-0. The power copper pins are treated with a gold plating process, providing corrosion resistance and ensuring safer electricity usage.



Overall dimensions (REF)

Category	S-terminal/Plug		L-terminal Cable mount socket		Panel		Diamond Flange		Flange	
Diagram										
	A	B	A	B	A	B	A	B	A	B
SP13	18.8	48	φ19.5	48	24.5	φ20	/	/	/	/
SP17	25	56	φ25	56	26	φ25	26	25	-	-
SP21	29.4	64	φ29	64	27	φ29	27	29	-	-
SP29	38.8	69	φ38.8	69	21.5	φ38.8	21.7	39	21.7	40

The dimensions of the panel / flange end

Category	Rear panel mount		Diamond Flange			Flange mount			
Diagram									
	φA	B	A	φB	φC	A	B	φC	φD
SP13	φ13	12.3	/	/	/	/	/	/	/
SP17	φ17	16	25	φ17	φ3.2	-	-	-	-
SP21	φ21	20.2	31	φ21	φ4	-	-	-	-
SP29	φ29.2	26.6	45	φ28	φ5	31	31	φ5	φ28



SP13			
Number of poles	2pin	3pin	4pin
Layout			
Withstand Voltage	1500V AC		1500V AC
Rated Voltage	250V AC		200V AC
Rated Current	13A		5A
Contact resistance	2mΩ		5mΩ
Wire section	<2mm ² /14AWG		<0.75mm ² /18AWG
IP Rating	IP68		IP68
Outer cable diameter	φ4~6.5mm		φ5~8mm

Number of poles	5pin	6pin	7pin	9pin
Layout				
Withstand Voltage	1500V AC			1500V AC
Rated Voltage	200V AC			125V AC
Rated Current	5A			3A
Contact resistance	5mΩ			10mΩ
Wire section	<0.75mm ² /18AWG			
IP Rating	IP68			
Outer cable diameter	φ4~6.5mm		φ5~8mm	



SP17		
Number of poles	2pin	3pin
Layout		
Withstand Voltage	1500V AC	
Rated Voltage	500V AC	
Rated Current	10A	
Contact resistance	2.5mΩ	
Wire section	<2mm ² /14AWG	
IP Rating	IP68	
Outer cable diameter	φ5~8mm	

Number of poles	5pin	6pin	7pin	9pin
Layout				
Withstand Voltage	1500V AC			
Rated Voltage	500V AC			
Rated Current	5A			
Contact resistance	5mΩ			
Wire section	<0.785mm ² /18AWG			
IP Rating	IP68			
Outer cable diameter	φ5~8mm			



SP21				
Number of poles	2pin	3pin	4pin	5A pin
Layout				
Withstand Voltage	1500V AC			
Rated Voltage	500V AC			
Rated Current	30A			
Contact resistance	1mΩ			
Wire section	≤4.17mm ² /11AWG			
IP Rating	IP68			
Outer cable diameter	φ4.5~7mm φ7~12mm			

Number of poles	5Bpin	5Cpin	7pin	9pin	12pin
Layout					
Withstand Voltage	1500V AC	1500V AC		1500V AC	1200V AC
Rated Voltage	500V AC	500V AC		500V AC	400V AC
Rated Current	5A/30A	15A		5A	5A
Contact resistance	1mΩ	2.5mΩ		5mΩ	5mΩ
Wire section	≤4.17/11, ≤0.785/18	≤2mm ² /14AWG		≤0.785mm ² /18AWG	≤0.785mm ² /18AWG
IP Rating	IP68				
Outer cable diameter	φ4.5~7mm φ7~12mm				



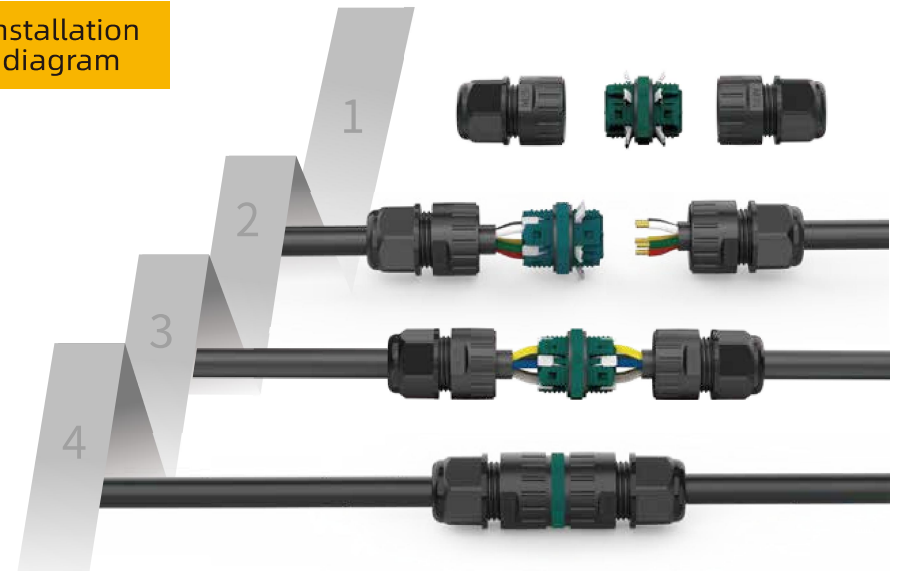
SP29					
Number of poles	2pin	3pin	4pin	7pin	8pin
Layout					
Withstand Voltage	1500V AC			1500V AC	
Rated Voltage	500V AC			500V AC	
Rated Current	50A			25A	
Contact resistance	0.5mΩ			1mΩ	
Wire section	≤10mm ² /7AWG			≤4mm ² /10AWG	
IP Rating	IP68				
Outer cable diameter	φ13~16mm				

Number of poles	9pin	10pin	10Bpin	12pin	16pin	17pin	20pin	24pin	26pin
Layout									
Withstand Voltage	1500V AC	1500V AC	1500V AC			1200V AC			
Rated Voltage	500V AC	500V AC	500V AC			400V AC			
Rated Current	25A/5A	10A	5A			5A			
Contact resistance	2.5mΩ	1mΩ	2.5mΩ			5mΩ			
Wire section	≤4/11, 0.75/18	≤4/11	≤2mm ² /14AWG			≤0.75mm ² /18AWG			
IP Rating	IP68								
Outer cable diameter	φ13~16mm								

Screw free wiring series

Pull the wrenches up, insert the conductors, and then push the wrenches down back. 3 steps only and tools free to finish wiring. Weichat screw free fast wiring series connectors contain straight through, panel mount, T style and X style to satisfy various installation demands.

Installation diagram



EW-P20



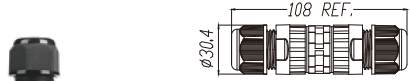
Number of poles: 2/3Pin
 Rated voltage: 450V
 Rated current: 16A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 3-5mm, 3.5-7mm,
 5-9mm, 9-12mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-P25



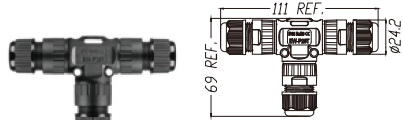
Number of poles: 4/5Pin
 Rated voltage: 450V
 Rated current: 16A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm,
 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M25B



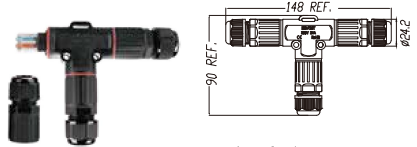
Number of poles: 2/3Pin
 Rated voltage: 250V
 Rated current: 24A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm,
 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-P20T



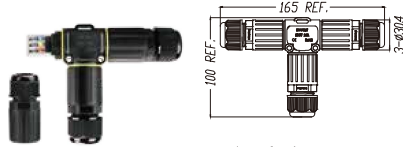
Number of poles: 2/3Pin
 Rated voltage: 450V
 Rated current: 16A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-P20T-B02



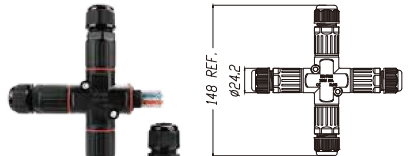
Number of poles: 2Pin
 Rated voltage: 250V
 Rated current: 24A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-P25T



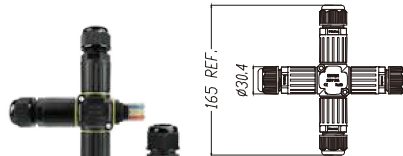
Number of poles: 3Pin
 Rated voltage: 250V
 Rated current: 24A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm,
 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-P20X



Number of poles: 2Pin
 Rated voltage: 250V
 Rated current: 24A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-P25X



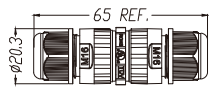
Number of poles: 3Pin
 Rated voltage: 250V
 Rated current: 24A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm,
 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68



Screw wiring series

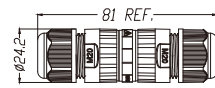
The conventional screw wiring series connectors with round pole sockets can properly protect the installed equipment even in water environment. This series connectors include straight type, T type, Y type and X type.

EW-M16



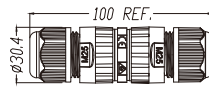
Number of poles: 2/3Pin
 Rated voltage: 400V
 Rated current: 17.5A
 Wire section: 0.5-1.5mm²
 Outer cable diameter: 3.5-7mm, 5-8mm, 7-10mm
 Ambient temperature: -40°C--+105°C
 IP Code: IP68

EW-M20



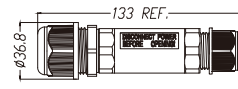
Number of poles: 2/3/4/5/6Pin
 Rated voltage: 400V
 Rated current: 24A (2/3/4pin)
 16A (5/6pin)
 Wire section: 0.5-2.5mm² (2/3/4pin)
 0.5-1.5mm² (5/6pin)
 Outer cable diameter: 3-5mm, 3.5-7mm, 5-9mm, 9-12mm
 Ambient temperature: -40°C--+105°C
 IP Code: IP68

EW-M25



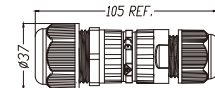
Number of poles: 2/3/4/5Pin
 Rated voltage: 400V
 Rated current: 41A (2/3/4pin)
 24A (5pin)
 Wire section: 0.5-6mm² (2/3/4pin)
 0.5-2.5mm² (5pin)
 Outer cable diameter: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C--+105°C
 IP Code: IP68

EW-M25I



Number of poles: 2/3/4/5Pin
 Rated voltage: 450V
 Rated current: 32A
 Wire section: 0.5-4mm²
 Outer cable diameter: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C--+105°C
 IP Code: IP68

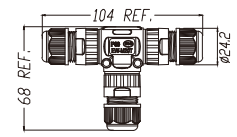
EW-M25-3T/4T/5T



Number of poles: 2/3/4Pin
 Rated voltage: 450V
 Rated current: 41A
 Wire section: 0.5-6mm²
 Outer cable diameter: 5-9mm, 9-12mm, 10-14mm, 14-18mm
 Ambient temperature: -40°C--+105°C
 IP Code: IP68

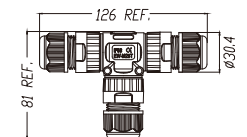


EW-M20T



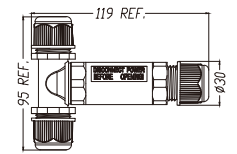
Number of poles: 2/3/4Pin
 Rated voltage: 400V
 Rated current: 24A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm
 Ambient temperature: -40°C--+105°C
 IP Code: IP68

EW-M25T



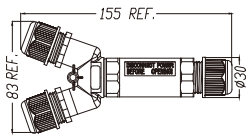
Number of poles: 2/3Pin
 Rated voltage: 450V
 Rated current: 41A
 Wire section: 1.5-6mm²
 Outer cable diameter: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C--+105°C
 IP Code: IP68

EW-M25TC



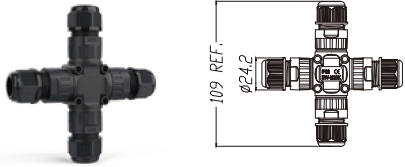
Number of poles: 2/3/4/5Pin
 Rated voltage: 450V
 Rated current: 32A
 Wire section: 0.5-4mm²
 Outer cable diameter: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C--+105°C
 IP Code: IP68

EW-M25Y



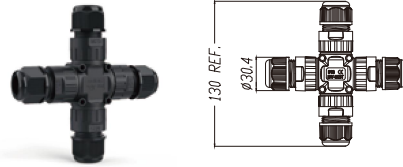
Number of poles: 2/3/4/5Pin
 Rated voltage: 450V
 Rated current: 32A
 Wire section: 0.5-4mm²
 Outer cable diameter: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C--+105°C
 IP Code: IP68

EW-M20X



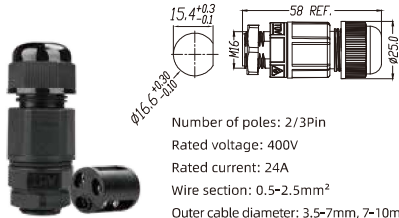
Number of poles: 2/3Pin
 Rated voltage: 450V
 Rated current: 24A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 3-5mm, 5-9mm, 9-12mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M25X



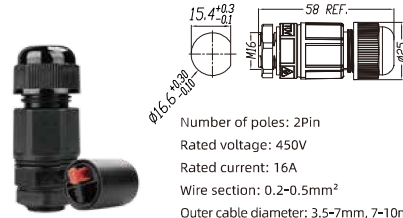
Number of poles: 2/3Pin
 Rated voltage: 450V
 Rated current: 41A
 Wire section: 1.5-6mm²
 Outer cable diameter: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-L02/L03

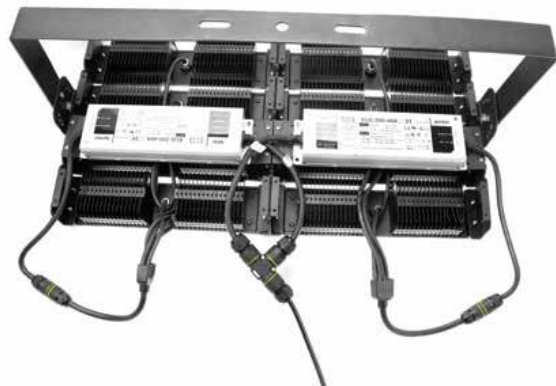


Number of poles: 2/3Pin
 Rated voltage: 400V
 Rated current: 24A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 3.5-7mm, 7-10mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-B02



Number of poles: 2Pin
 Rated voltage: 450V
 Rated current: 16A
 Wire section: 0.2-0.5mm²
 Outer cable diameter: 3.5-7mm, 7-10mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68



Self locking style Male & Female series

Align the male and female parts to plug in, the connector will be self locked automatically, and twist the center self locking shell left or right a little bit to separate the male and female parts.

With its compact design, Weichat patented self locking style male and female series connectors can be used in many harsh environments. This series connectors have 3 types of wiring approaches, screw wiring, screw free fast wiring and solder wiring.

outline dimension (REF)

Category	M-terminal		F-terminal		Front panel		Rear panel		Flange	
Diagram										
	A	B	A	B	A	B	A	B	A	B
EW-M15	19	52	18.4	52	29.9	20.5	/	/	30.7	35.2
EW-M19	24.2	58	22.7	57	30.9	23.2	31	22	31	35.2
EW-M23	27.8	66	26.9	66	30.9	29.4	30.9	26.9	31.3	37.2
EW-M28	32	80	32.9	80	35.5	38.2	35.5	32.8	35.4	41.2
EW-P23	27.8	72.4	26.9	69.7	/	/	33.7	36	32.6	37.2
EW-P25	32	86.3	30.4	83.4	/	/	32.6	36	34.2	41.2

Panel/flange arrangement dimensions

Category	Panel mount				Flange mount				
Diagram									
	Front		Rear		phi 3.2	phi C	phi D	A	B
	phi A	B	phi A	B					
EW-M15	phi 15.7	14.5	/	/					
EW-M19	phi 20.4	19	phi 16.4	15.5					
EW-M23	phi 25.1	23.3	phi 20.5	19.6					
EW-M28	phi 26.8	25.4	phi 25.6	24.5					
EW-P23	/	/	phi 20.5	/					
EW-P25	/	/	phi 25.2	/					

EW-M15

Solder



Number of poles: 2/3/4Pin
 Rated voltage: 450V
 Rated current: 10A
 Wire section: 0.5-0.75mm²
 Outer cable diameter: 2.5-4.5mm, 3.5-7mm
 Mating cycle: 1500 times
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M19

Solder/Screw



Number of poles: 2/3/4/5Pin
 Rated voltage: 450V
 Rated current: 20A (2/3pin)
 16A (4/5pin)
 Wire section: 0.5-2.5mm² (2/3pin)
 0.5-1.5mm² (4/5pin)
 Outer cable diameter: 3.5-7mm, 5-8mm,
 7-10mm
 Mating cycle: 1500 times
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M23

Solder/Screw



Number of poles: 2/3/4/5Pin
 Rated voltage: 450V
 Rated current: 30A (2/3pin)/16A (4/5pin)
 Wire section: 0.5-4mm² (2/3pin)
 0.5-2.5mm² (4/5pin)
 Outer cable diameter: 5-9mm, 9-12mm
 Mating cycle: 1500 times
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M28

Solder/Screw



Number of poles: 2/3/4/5/6Pin
 Rated voltage: 450V
 Rated current: 41A (2/3/4pin)
 20A (5/6pin)
 Wire section: 0.5-6mm² (2/3/4pin)
 0.5-2.5mm² (5/6pin)
 Outer cable diameter: 5-9mm, 9-12mm,
 10-14mm
 Mating cycle: 1500 times
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-P23

Screw Free



Number of poles: 2/3Pin
 Rated voltage: 450V
 Rated current: 16A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm
 Mating cycle: 1500 times
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-P25

Screw Free



Number of poles: 4/5Pin
 Rated voltage: 450V
 Rated current: 16A
 Wire section: 0.5-2.5mm²
 Outer cable diameter: 5-9mm, 9-12mm,
 10-14mm
 Mating cycle: 1500 times
 Ambient temperature: -40°C~+105°C
 IP Code: IP68



Waterproof junction box series

2 way to 10 way IP68 waterproof junction boxes can be installed horizontally and vertically as external wiring devices.

Applications: Gas station, Mine, Workshop, Irrigation, Greenhouse, Monitoring, Submersible pump, and Energy distribution...



Optional wiring terminals



A



B

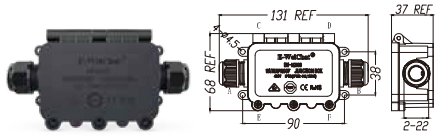


C



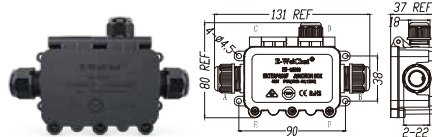
D

EW-M2068-2T



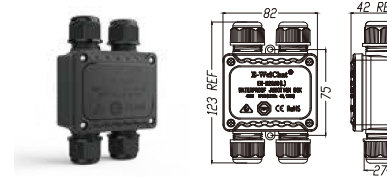
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*2: 5-9mm, 9-12mm
 M16*1: 3.5-7mm, 7-10mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068-3T



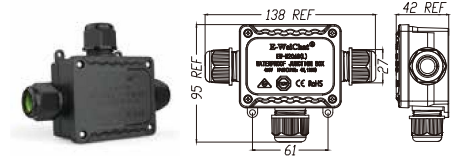
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*2: 5-9mm, 9-12mm
 M16*1: 3.5-7mm, 7-10mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068(L)-H



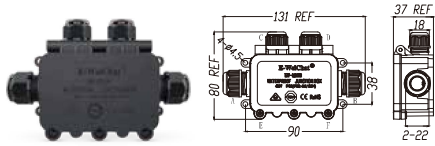
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M25*4: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068(L)-T



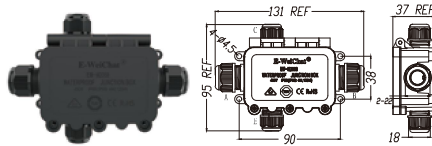
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M25*3: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068-4TA



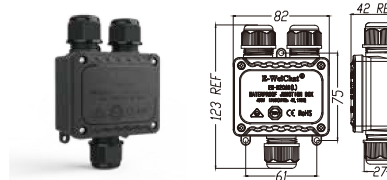
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*2: 5-9mm, 9-12mm
 M16*2: 3.5-7mm, 7-10mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068-4TB



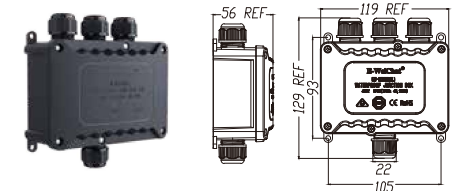
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*2: 5-9mm, 9-12mm
 M16*2: 3.5-7mm, 7-10mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068(L)-Y



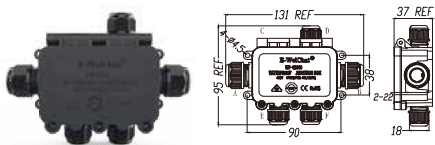
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M25*3: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068(XL)-4T



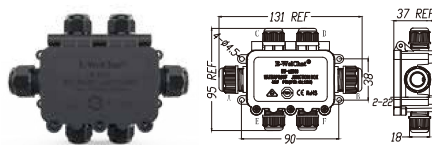
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*4: 5-9mm, 9-12mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068-5T



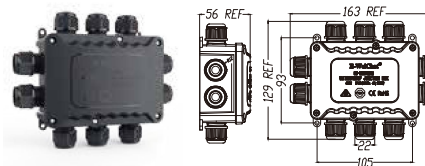
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*2: 5-9mm, 9-12mm
 M16*3: 3.5-7mm, 7-10mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068-6T



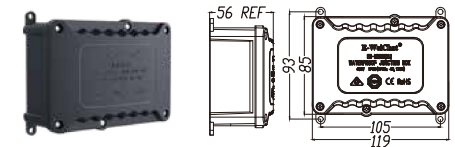
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*2: 5-9mm, 9-12mm
 M16*4: 3.5-7mm, 7-10mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068(XL)-10T



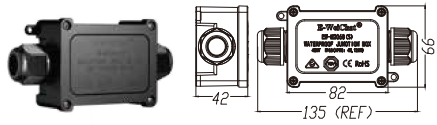
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*10: 5-9mm, 9-12mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068(XL)



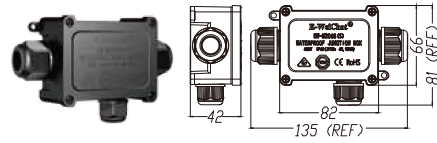
Acceptable for customization

EW-M2068S-2T



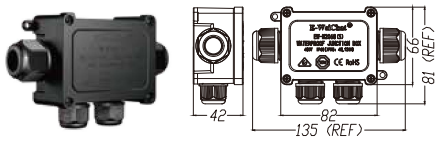
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M25*2: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068S-3T



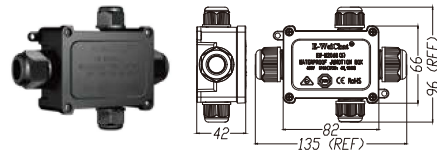
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*1: 5-9mm, 9-12mm
 M25*2: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068S-4TA



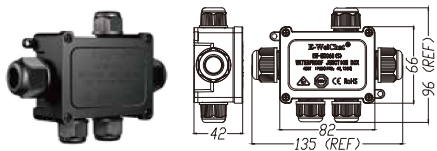
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*2: 5-9mm, 9-12mm
 M25*2: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068S-4TB



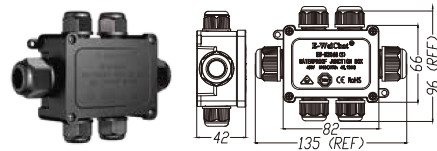
Rated voltage: 450V
 Rated current: 40A
 Wire section: 0.5-6mm²
 Outer cable diameter: M20*2: 5-9mm, 9-12mm
 M25*2: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068S-5T



Rated voltage: 450V
 Rated current: 40A
 Square number of lines: 0.5-6mm²
 Outer cable diameter: M20*3: 5-9mm, 9-12mm
 M25*2: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68

EW-M2068S-6T



Rated voltage: 450V
 Rated current: 40A
 Square number of lines: 0.5-6mm²
 Outer cable diameter: M20*4: 5-9mm, 9-12mm
 M25*2: 5-9mm, 9-12mm, 10-14mm
 Ambient temperature: -40°C~+105°C
 IP Code: IP68



Energy storage series

Weichat's new energy storage connectors, ranging from 50A to 350A, can be widely used in PV, industrial energy storage, energy storage equipment, EV, electric motorcycles, process control, automation, heavy equipment, machinery and many other fields.

Applications



Accept to customize cable assembly



Technical data				
Plug type	E50	E70	E100	E120
Number of connections	1			
Plug in force	80N MAX			
Plug out force	<80N			
Rated voltage	1500V DC			
Rated current	50A	70A	100A	120A
Contact resistance	≤1mΩ			
Insulation resistance	500V, ≥500MΩ			
Colour	Orange/black/red			
Contact material	Silver/tin plated copper			
Insulation material	PA66+GF			
Water seal material	Silicone (black)	Silicone (blue)	Silicone (black)	Silicone (blue)
O-ring material	Silicone (red)			
Mating cycle	500 times			
Outer cable diameter	5.2-6.3mm	6.2-7.3mm	6.5-8.5mm	8.5-10.5mm
Wire section	10AWG (6mm ²)	8AWG (10mm ²)	6AWG (16mm ²)	4AWG (25mm ²)
Cable stripping length	10-12mm		12-14mm	
Connection mode	Crimping			
IP Rating (opposite insertion)	IP67			
Operating temperature	-40°C~+125°C			
Ambient temperature (storage/transportation)	-40°C~+80°C			
Halogen free	Compliant			
Fire rating	UL94 V-0			

Socket size (REF)									
Category	Copper bar with Smooth Hole		Crimping type		Stud type		Copper bar with Screw hole		
Measure									
	A	B	A	B	A	B	A	B	
50A/70A	16.3	48.6	16.3	43.6	16.3	41.6	16.3	48.6	
100A/120A	20.9	56.9	20.9	55.9	20.9	51.2	20.9	56.9	
150A/200A/250A	22.1	63.5	22.1	63.5	22.1	61.2	22.1	63.5	
300A/350A	Positive: 29 Negative: 30.5	Positive: 81 Negative: 82.5	Positive: 29 Negative: 30.5	Positive: 81 Negative: 82.5	Positive: 29 Negative: 30.5	Positive: 75 Negative: 76.5	Positive: 29 Negative: 30.5	Positive: 81 Negative: 82.5	

Plug size (REF)				
Category	Crimping type			
Measure				
	A	B	C	D
50A/70A	21	50.5	25	17
100A/120A	26.7	69.3	32.7	19.3
150A/200A/250A	32.8	86	40.6	Positive: 24.1/Negative: 24.3
300A/350A	40.5	113	54.3	31.9

Technical data				
E150	E200	E250	E300	E350
1				
100N MAX				
<80N				
1500V DC				
150A	200A	250A	300A	350A
≤1mΩ				
500V, ≥500MΩ				
Orange/black/red				
Silver/tin plated copper				
PA66+GF				
Silicone (black)	Silicone (black)	Silicone (black)	Silicone (gray)	Silicone (blue)
Silicone (red)				
100 times				
13mm	14mm	15mm	17.5mm	20mm
2AWG (35mm ²)	1/0AWG (50mm ²)	2/0AWG (70mm ²)	3/0AWG (95mm ²)	4/0AWG (120mm ²)
17mm		19mm		
Crimping				
IP67				
-40°C~+125°C				
-40°C~+80°C				
Compliant				
UL94 V-0				

Panel mount dimensions								
Current	A	B	φC	D	Panel mount torque	Copper bar screw connection torque	Stud connection torque	Diagram
50A/70A	24±0.1	/	12.9±0.1	M4 Screw	0.4-0.7N.m	M4 bolts: 1.2-1.5N.m	M4 Nut: 1.2-1.5N.m	
100A/120A	18±0.1	14.5±0.1	M4 bolts: 0.4-0.7N.m			M5 bolts: 2N.m max	M6 Nut: 2N.m max	
150A/200A/250A	23±0.1	23.0 ^{+0.2} _{-0.0}	M8 bolts: 8N.m max		M8 Nut: 8N.m max			
300A/350A	24.5±0.1	22.5 ^{+0.2} _{-0.0}						

Copper plug specification				
Product description	3.6mm	5.8mm	9.6mm	12.4mm
Rated current	50A-70A	100A-120A	150A-250A	300A-350A
Working temperature	-40°C~+125 (1500V DC)			
IP Rating	IP67			
Fire-protection rating	UL94 V-0			
Shackle	Spring lock			
RoHS	Compliant			
Mating cycle	≥100 times			
Socket type	EW-50A/70A/100A/120A/150A/200A/250A/300A/350A			
Wiring style	Copper bar, crimping, screw, copper bar/threaded			
Tightening torque of mounting nut	M4/0.4-0.7N.m			
Waterproof gasket material	Silicone (transparent)			

PV4 photovoltaic series

Weichat's PV4 connectors conform to the criteria of ground photovoltaic system of GB/T33765, TUV/IEC62852. The high performance PPO engineering plastic material protect the products in terms of electrical reliability, high temp shock resistance and anti-UV, as well, the copper alloy conductor components can ensure the product works properly even under high temperatures.



Technical data		
Operating voltage	1000V DC/2000V DC	
Operating current	UL 14AWG: 15A	TUV 2.5mm ² : 25A
	UL 12AWG: 20A	TUV 4mm ² : 35A
	UL 10AWG: 30A	TUV 6mm ² : 45A
	UL 8AWG: 50A	TUV 10mm ² : 65A
Withstand voltage	10KV DC	
Withstand pulse voltage	27.2KV (1.2/50us)	
Contact resistance	0.5mΩ Max	
Insulation resistance	500MΩ Min	
IP Rating	IP68 (2M/24H)	
Fire rating	UL94 V-0	
Ambient temperature	-40°C~+85°C	
Mating cycles	>100 times	
Life span	25 years	
Certificates	UL6703/TUV/IEC62852/RoHS/REACH	
Outer cable diameter	φ5-7.8mm	

Materials and technology	
Component name	Material
Housing	PPO
conductor	Tin plated copper alloy
Locking nut	PPO
Cord grip	PA
Fixing clip	Stainless steel
Water seal	Silicon

EW-PV4F-120XX1 PV4 cable mount female plug



EW-PV4F-110XX1 PV4 panel mount female plug



EW-PV4M-121XX1 PV4 cable mount male socket, Tool unlock



EW-PV4M-111XX1 PV4 panel mount male socket, Tool unlock



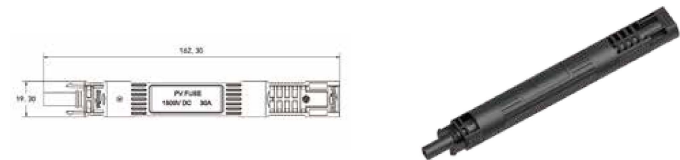
EW-PV4M-122XX1 PV4 cable mount male socket, Manual unlock



EW-PV4M-112XX1 PV4 panel mount male socket, Manual unlock



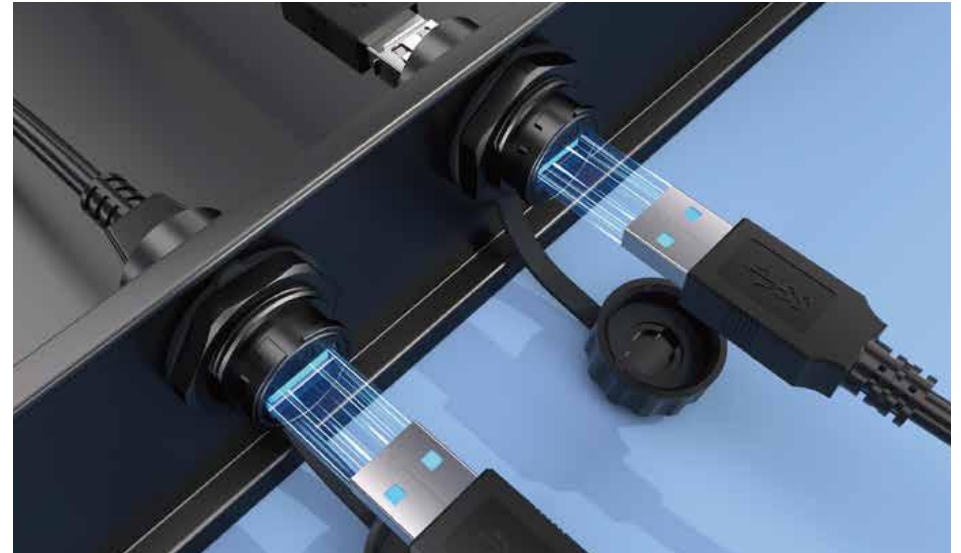
EW-PV4-XXXXXX PV4 fuse, 1500V DC/30A





EU-USB series

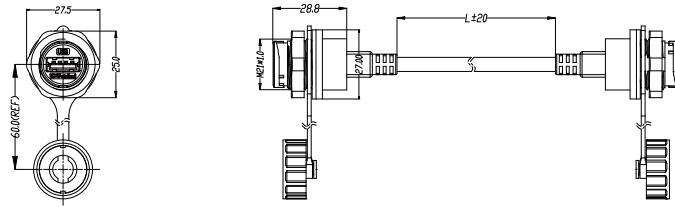
The technical performance of this product complies with the specifications of the USB Association and the IEC standards; it adopts a design of locking mechanism that is tightened after insertion, featuring secure locking, smooth insertion and removal, and can be reused up to 1000 times or more; the casing is made of PA material, ensuring the product has stable electrical performance, as well as excellent physical and chemical properties such as resistance to high temperatures and corrosion; at the same time, the contact parts are processed with a surface gold plating process, ensuring excellent conductivity and still meeting the temperature rise requirements of the product in high-temperature environments. Applicable standards: Complies with the specifications of the USB Association and the IEC standards.



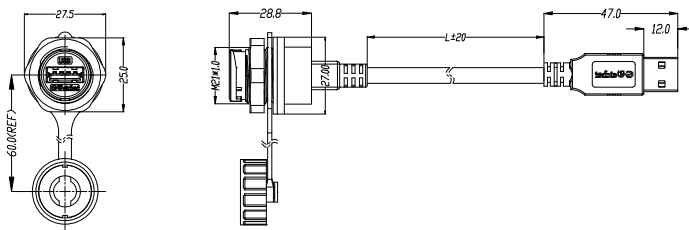
Product parameters

Part Type	Panel mount female	USB Interlocked male plug		USB Interlocked dual male plug		USB Cable mount male and female		USB Cable mount dual female	
Image									
USB standard	USB 3.0	USB 2.0	USB 3.0	USB 2.0	USB 3.0	USB 2.0	USB 3.0	USB 2.0	USB 3.0
Rated Current	2.0 A	1.5 A	2.5 A	1.5 A	2.5 A	1.5 A	2.5 A	1.5 A	2.5 A
Operating Voltage	30V DC	5V AC	30V AC	5V AC	30V AC	5V AC	30V AC	5V AC	30V AC
Withstanding Voltage	100V / DC	100V / DC		100V / DC		100V / DC		100V / DC	
Insulation Resistance	500MΩ / 100V DC	500MΩ / 100V DC		500MΩ / 100V DC		500MΩ / 100V DC		500MΩ / 100V DC	
Mating Cycle	>1500 times								
Ambient Temperature	-40~+85 °C								
Salt Spray Test	PH6.5-7.2, NaCl, 5% 48h								
IP Rating	IP67								

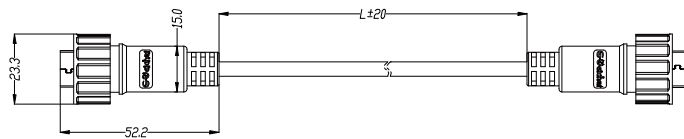
EU-USB Cable mount dual female



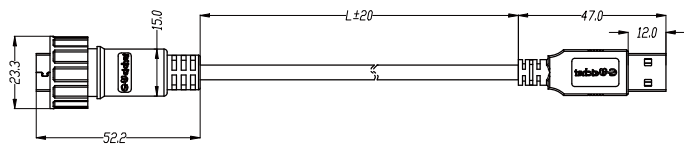
EU-USB Cable mount male and female



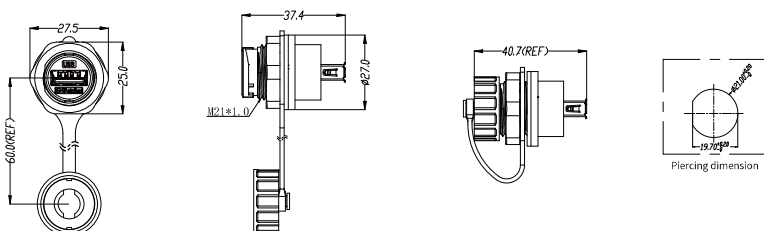
EU-USB Interlocked dual male plug



EU-USB Interlocked male plug



EU-Panel mount female



EW-RJ45 series

This product is a non-standard waterproof industrial RJ45 connector developed based on the commonly used threaded connection waterproof connectors on the market. It complies with the TIA/EIA568B and ISO/IEC 11801 standards and is suitable for any harsh outdoor environment. Compared with traditional waterproof RJ45 cable connectors, it can be quickly plugged and unplugged with one hand, saving time on the plug; it is equipped with a button lock, which is more stable than traditional signal connectors; it has a sturdy die-cast housing and a unique cable clamp; the cable connector carrier sheath does not include the crystal head; in commercial applications, it protects Ethernet connections, and this design can protect the components inside the standard RJ45 plugs.

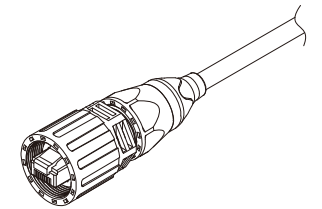
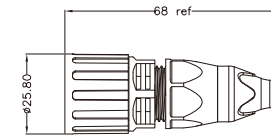


Product parameters

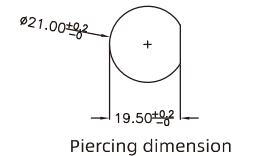
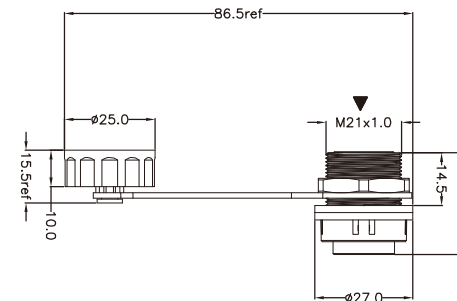
Wiring Method	Registered jack
Wire section	26 AWG
Rated Current	1.5A
Operating Voltage	125 V AC
Pressure Resistance	1000V AC
Contact resistance	<50m Ω
Insulation resistance	>100m Ω
Mating cycle	>1900 times
Ambient Temperature	-40~+85°C
Burn-in test	85°C /168 h
Salt spray Test	PH6.5~7.2,NaCl, 5% 48h
IP Code	IP67(1m /0.5h)
Outer cable diameter	(\varnothing 4.0~ \varnothing 6.5)mm



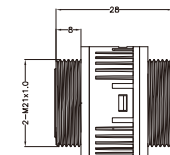
EW-RJ45 Threaded style - cable mount plug



EW-RJ45 Threaded style - front panel mount socket

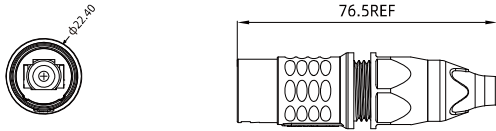


EW-RJ45 Plastic cable mount adapter socket

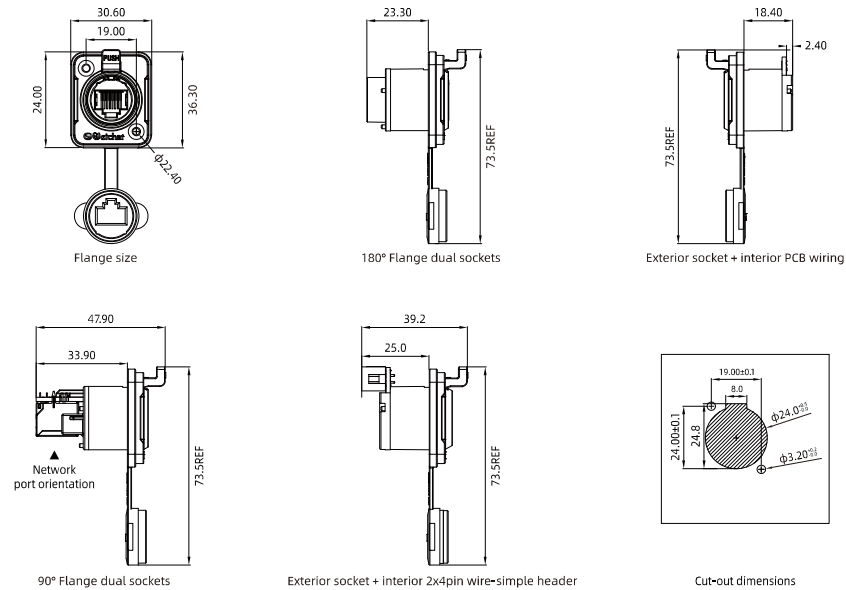




EW-RJ45 snap-on style - cable mount plug



EW-RJ45 Snap-on style - flange mount socket



ODM Customization Cases

With its professional R&D team, powerful technical support and rich experiences, Weichat is willing to support all our clients to do your exclusive designs. We can make your idea or concepts to be final real products.

Case show

