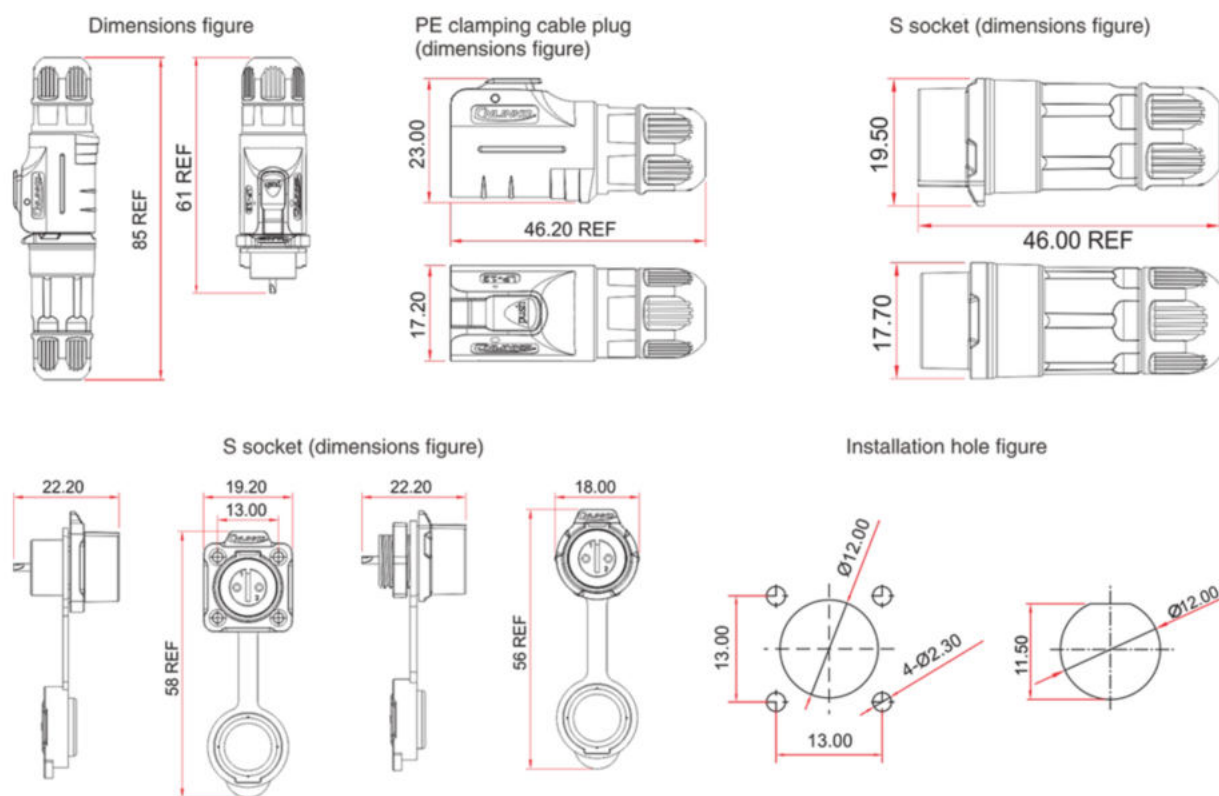


Connection graph



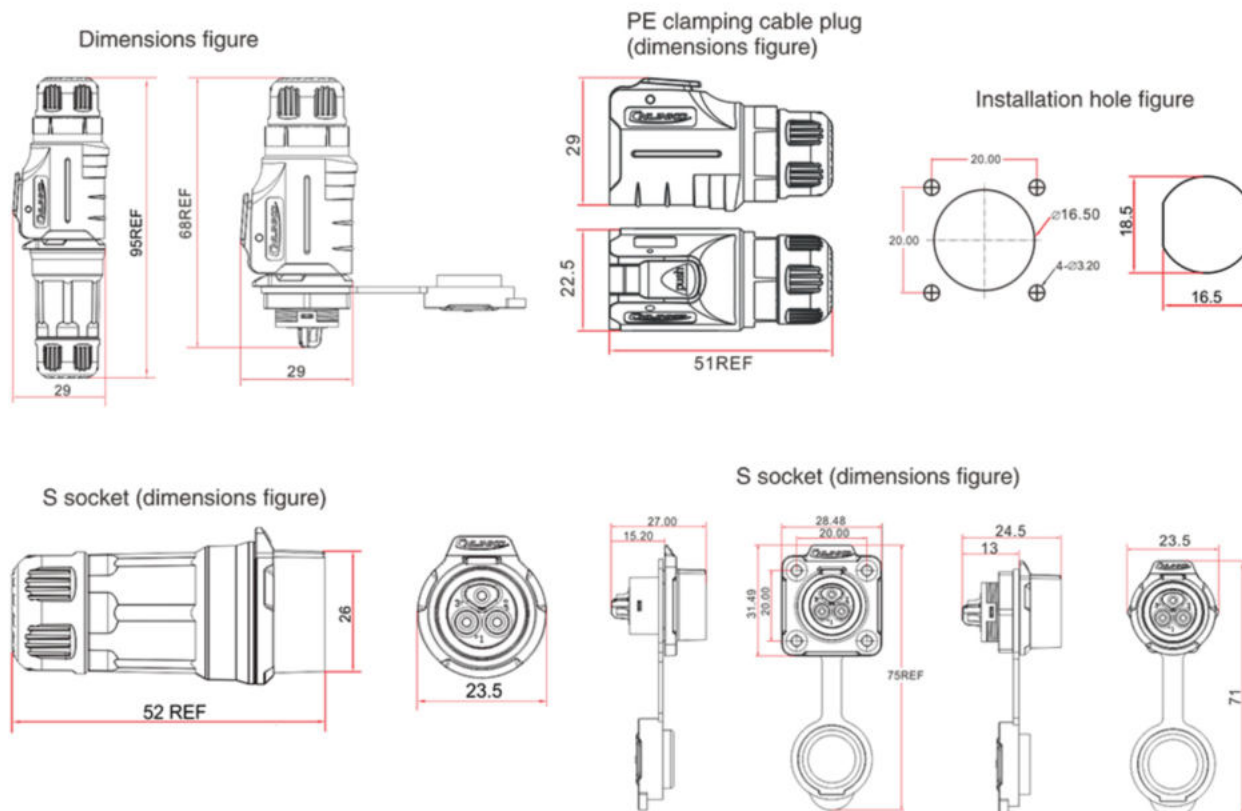
Appearance dimension



Connection graph



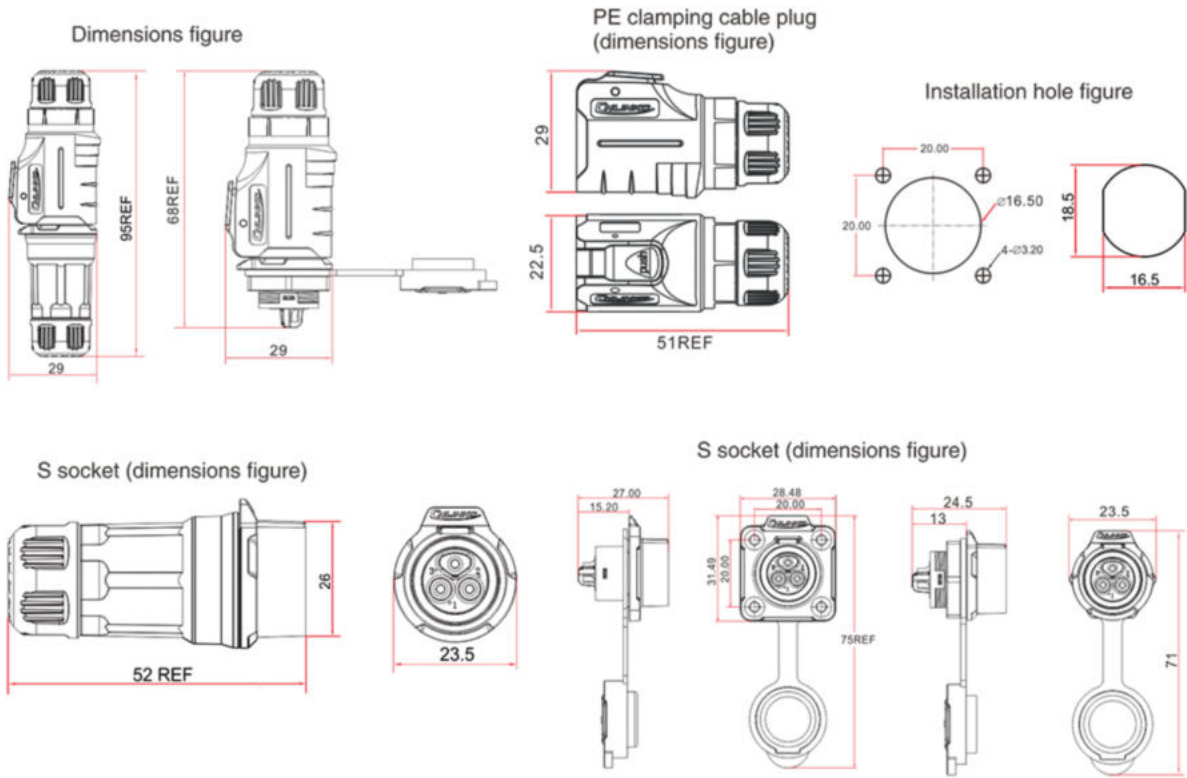
Appearance dimension



Connection graph



Appearance dimension



LP-20 Series



Product Parameter

Line diameter range	8mm~12mm
Diameter×number	Φ2.7×4
Rated current(A)	20A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<1mΩ
Temperature rise	20A per contact at 30℃ , 25A.....40℃ , 30A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	> 500MΩ
Protection level	IP65/IP67
Mating cycle	≥500 times
Working temperature	-40℃~80℃
Connection mode	Quick plug connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plated
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

Core tables

[illegible]

Connection graph

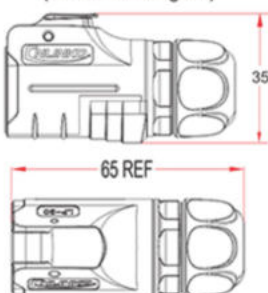


Appearance dimension

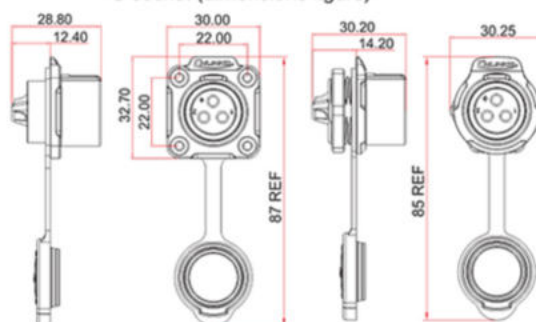
Dimensions figure



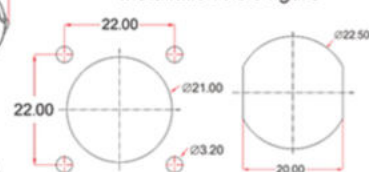
PE clamping cable plug (dimensions figure)



S socket (dimensions figure)



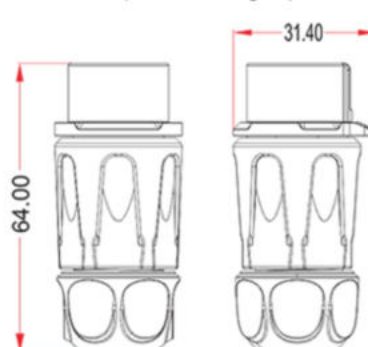
Installation hole figure



Dimensions figure



S socket (dimensions figure)



LP-24 Series












Product Parameter

Part NO.	LP-24-C03PE-01-001/LP-24-J03SX-01-001
Wire specification	2.5Mm ² ~5Mm ² /14-12AWG
Line diameter range	8mm~12mm
Diameter×number	Φ3.0×3
Rated current(A)	30A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<1mΩ
Temperature rise	30A per contact at 30℃, 35A.....40℃, 40A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	>500MΩ
Protection level	IP65/IP67
Mating cycle	≥500 times
Working temperature	-40℃~80℃
Connection mode	Quick plug connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

Core tables

the number of pins	3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45	USB	Optical fiber
The PIN map									
Rated current	25A		10A		5A		1.5A		
Operating voltage	500V		400V		150V				
Withstanding Voltage	2500V				1500V		1000V		
Contact resistance	<1.0mΩ		<2.5mΩ		<5.0mΩ		<30mΩ		
Temperature rise	25A 30℃↓ ; 30A 40℃↓ ; 35A 50℃↓ ;		10A 30℃↓ ; 12A 40℃↓ ; 15A 50℃↓ ;		5A 30℃↓ ; 7A 40℃↓ ; 10A 50℃↓ ;				
Contact diameter x number	Φ3.0*3	Φ3.0*4	Φ1.5*10	Φ1.5*12	Φ1.0*19	Φ1.0*24	8PIN	9PIN&4PIN	2
Insertion force	4.5N Max.	6.0N Max.	14N Max.	16N Max.	19N Max.	22N Max.	4.5N Max.	4.5N Max.	4.5N Max.
Durability	1700times								
Screw torque	42-53(N.m) torque wrench 200(N.m)								
Working temperature	-40℃ ~ +80℃								
Vibration	Frequency: 5~200Hz, amplitude: 5mm, speed: 10m/s,0.10us without instantaneous break								
Impact resistance	294m/s2								
Salt fog	PH6.5-7.2,NaCl,5% 48H								
Cable specification	2.5mm²-4mm² /12-14AWG		1.0mm²-1.5mm² /16-18AWG		0.15mm²-0.2mm² /24-26AWG				
Diameter range	The applicable scope of OD (4 - Φ Φ 14) mm with waterproof circle (Φ 7 mm, 14 mm Φ)								
Protection level	IP67								
Certification standards	Comply with the TUV and UL certification standards								

Connection graph

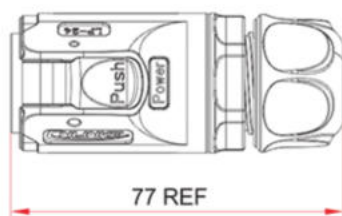


Appearance dimension

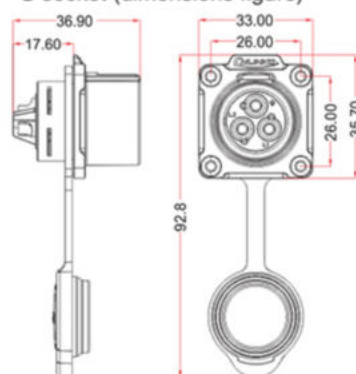
Dimensions figure



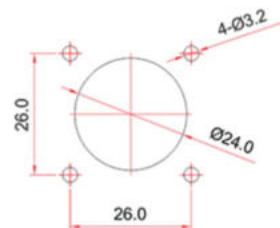
PE clamping cable plug
(dimensions figure)



S socket (dimensions figure)



Installation hole figure



LP-28 Series



Product Parameter

Part NO.	LP-28-C02PE-21-000/LP-28-J02SX-23-300
Wire specification	2.5Mm ² ~5Mm ² /14-12AWG
Line diameter range	18mm~20mm
Diameter×number	Φ4.0×2
Rated current(A)	50A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<5mΩ
Temperature rise	30A per contact at 30℃ , 35A.....40℃ , 40A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	>500MΩ
Protection level	IP65/IP67
Mating cycle	≥500 times
Working temperature	-40℃~80℃
Connection mode	Quick plug connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

Core tables

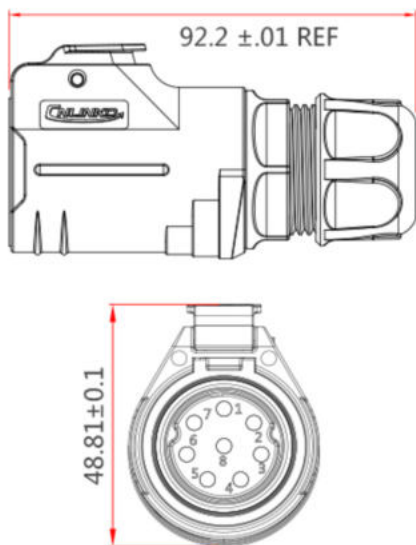
the number of pins	2PIN	3PIN	8PIN
The PIN map			
Rated current	50A	35A	15A
Operating voltage	500V		
Withstanding Voltage	1500V		
Contact resistance	<40mΩ		
Temperature rise	10A 30℃↓ ; 12A 40℃↓ ; 15A 50℃↓		
Contact diameter x number	Φ4.0*2	Φ4.0*3	Φ3.0*8
Insertion force	1.2N Max.	1.8N Max.	2.4N Max.
Durability	1700times		
Screw torque	42-53(N.m) torque wrench200(N.m)		
Working temperature	-40℃ ~ +80℃		
Vibration	Frequency: 5~200Hz, amplitude: 5mm, speed: 10m/s,0.10us without instantaneous break		
Impact resistance	294m/s2		
Salt fog	PH6.5-7.2,NaCl,5% 48H		
Cable specification	UL2464 24AWG*2C	UL2464 24AWG*3C	UL2464 24AWG*8C
Diameter range	Applicable scope of OD (Φ18-Φ20) mm		Applicable scope of OD (Φ13-Φ15) mm
Protection level	IP67		
Certification standards	Comply with the TUV and UL certification standards		

Connection graph

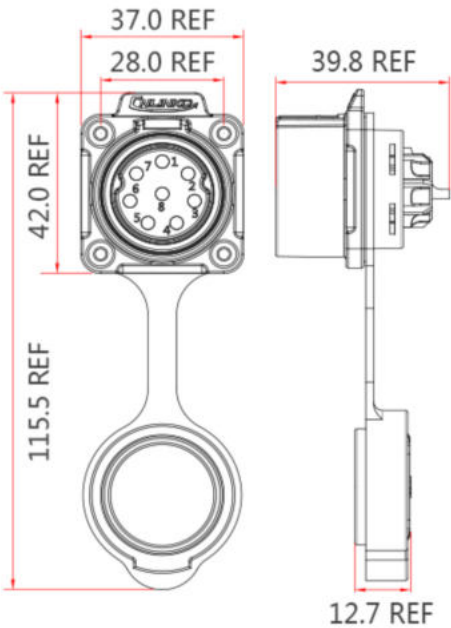


Appearance dimension

Dimensions figure



S socket (dimensions figure)



Installation hole figure

