



CHOGORI

Connector Solutions For Electric Outdoor & Emerging Market Applications

**CHOGORI**

Reliable Green Connections

CHOGORI founded in 2007, our products are used in a wide variety of harsh environment and outdoor applications in the areas of Electrical Outdoors, Electric Emerging Markets, Electric Scooters, Electric Bicycles, which require connectors and cables to be robust, dust-proof and waterproof.

From 2013, CHOGORI set-up the "Lean Management Philosophy".

Our company has obtained IATF16949, ISO9001, ISO14001, ISO45001 certification, related products have also obtained CE, UL, TUV, 3C.



RoHS



5M Sets
Monthly Capacity



3 Facilities
Dongguan & Shenzhen
& Thailand

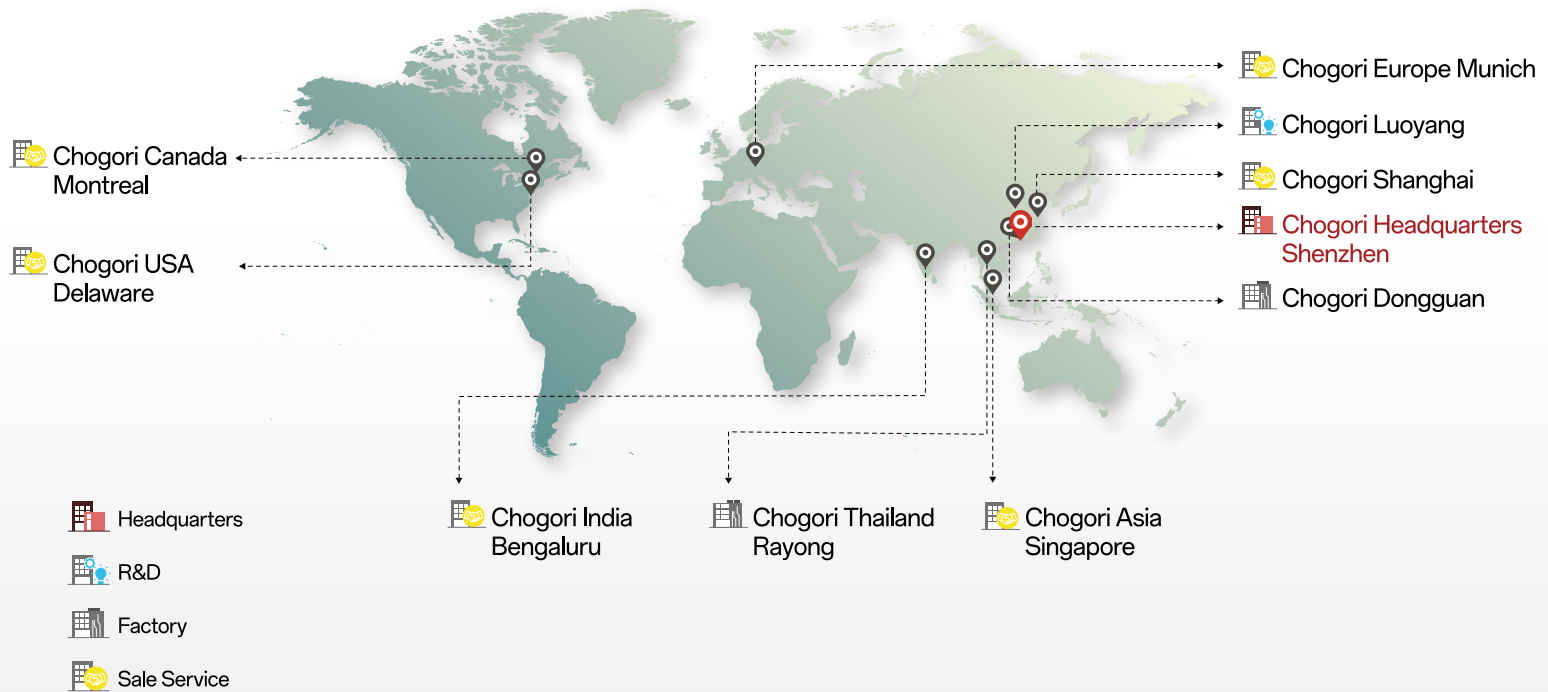


1,000+ Members
Team Size



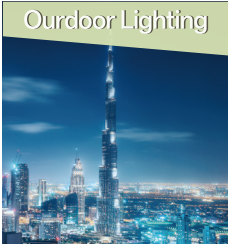
44,000 m²
Factory Size



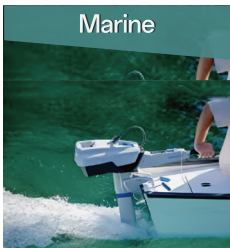


Global Distribution

Industry \ Product Series	Mini	Standard	Middle	Large	M15	M12
IoT	★	★	★	★		★
Outdoor Lighting	★	★	★	★	★	★
Solar Tracking		★	★			
Energy Storage	★	★	★	★		★
Electric Garden Tool		★	★	★		
Robotics		★	★	★		
AGV		★	★	★		★
Drones	★	★	★			
Marine	★	★	★	★		★
Industry Automation	★	★	★			★
Page	6	7	8	9	10	11



RJ45	USB	CPL	FC	FAC	KR	BangaX	Mate	CAC
★	★							
★								★
★	★							
★	★	★	★	★		★		
	★				★	★		★
★	★		★		★			
							★	
			★		★			★
★								
12	13	14	15	17	18	19	20	21



Applications

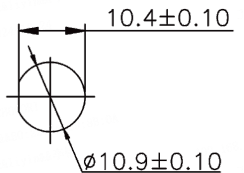
Mini Series

Product Display

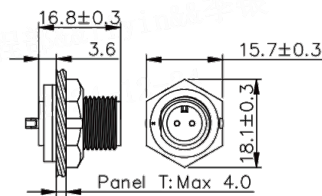


Critical Dimension

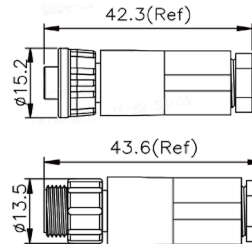
Panel Cut-Out



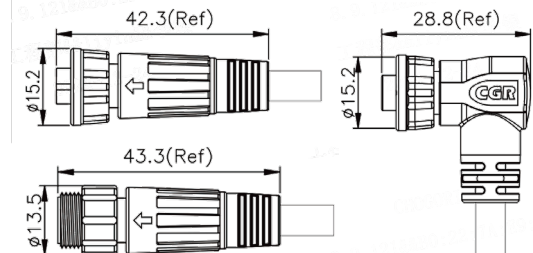
Panel Mount



Field Installable Plug



Overmold Plug(Straight & Right Angle Version)



Specification

Lock Mechanism	Screw Type / Lock Bayonet Type	
Pin Number	2~4P	5~8P
Rated Current	5A	2A
Rated Voltage	110V	50V
IP Rating	IP67 Mated	
Mating Cycle	500	
Operating Temperature	-40°C~105°C	
Wire Processing	Soldering	
Proposed Wire Gauge/mm ²	20AWG / 0.519mm ²	22AWG / 0.34mm ²
Proposed Cable Diameter	4.7-6.8mm (Field Installable Plug), 7.2mmMax (Overmold Plug)	
Certification	UL1977 for 2P, 3P UL2238 for 8P	

Standard Series

Specification

Product Display



Lock Mechanism	Screw Type / Push Lock Type						
Pin Number	2~3P	4P	5~6P	2+4P	3+4P	8P	12P
Rated Current	10A		5A	10+5A	10+2A	5A	2A
Rated Voltage	300V	125V	60V				30V
IP Rating	IP67 Mated						
Mating Cycle	500						
Operating Temperature	-40℃~105℃						
Wire Processing	Soldering						
Proposed Wire Gauge/mm²	18AWG / 0.823mm² 1.0mm²	18AWG / 0.823mm²	20AWG / 0.519mm²	18AWG / 0.823mm²*2C / 3C 20AWG / 0.519mm²*4C	20AWG / 0.519mm²	22AWG / 0.34mm²	
Proposed Cable Diameter	3.5-6.8mm (Field Installable Plug), 9.0mmMax (Overmold Plug)						
Certification	UL1977 for 2P, 3P, 4P, 5P, 6P, 2+4P, 8P UL2238 for 2P, 3P, 4P, 2+4P						

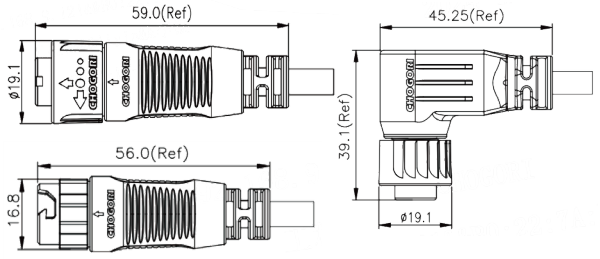
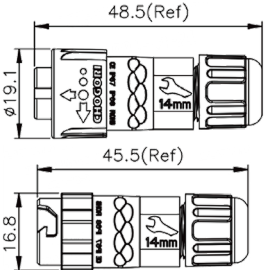
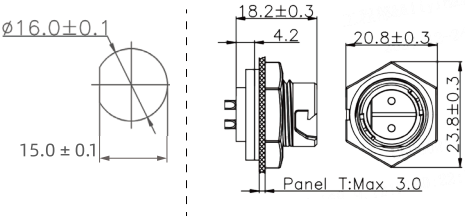
Critical Dimension

Panel Cut-Out

Panel Mount

Field Installable Plug

Overmold Plug(Straight & Right Angle Version)



Middle Series

Product Display

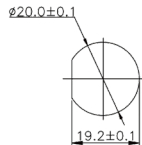


Specification

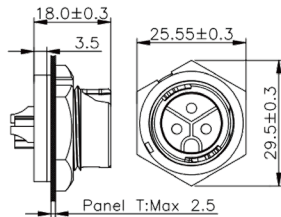
Lock Mechanism	Screw Type / Push Lock Type						
Pin Number	2~3P	4P	5-6P	7-8P	3+5P	10P, 12P, 14P	18P
Rated Current	20A	15A	10A	5A	15+2A	5A	2A
Rated Voltage	300V		125V	60V	125+30V	30V	
IP Rating	IP67 Mated						
Mating Cycle	500						
Operating Temperature	-40℃~105℃						
Wire Processing	Soldering / Screw Terminal						
Proposed Wire Gauge/mm²	14AWG / 2.5mm²	17AWG / 1.0mm²	18AWG / 0.75mm²	22AWG / 0.34mm²	17AWG / 1.0mm²*3C 24AWG / 0.25mm²*5C	24AWG / 0.25mm²	
Proposed Cable Diameter	3.5~6.5mm, 6.5~9.5mm (Field Installable Plug), 10.8 mmMax (Overmold Plug)						
Certification	UL1977 for 2P, 3P, 4P, 5P, 7P, 8P, 9P				UL2238 for 2P, 3P, 3+5P		

Critical Dimension

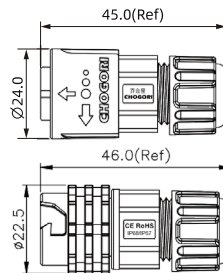
Panel Cut-Out



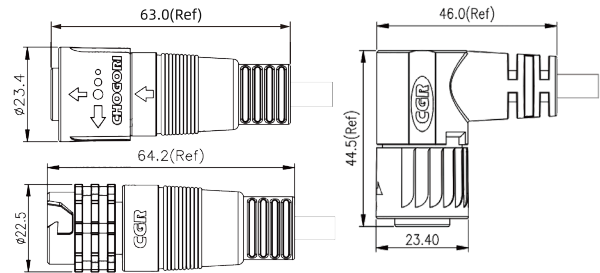
Panel Mount



Field Installable Plug



Overmold Plug(Straight & Right Angle Version)



Large Series

Product Display

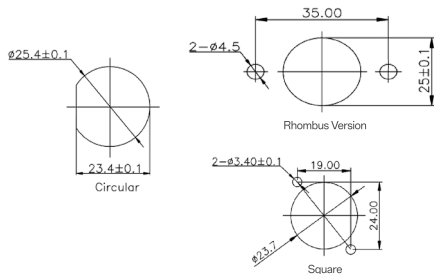


Specification

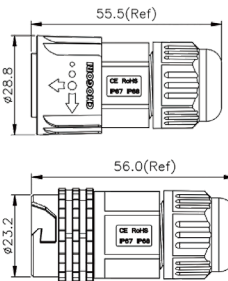
Lock Mechanism	Push Lock Type							
Pin Number	3P	3P	9P	18P	24P	3+9P	3+11P	2+18P
Rated Current	20A	50A	5A			20A+5A		
Rated Voltage	300V		125V			300V		
IP Rating	IP67 Mated							
Mating Cycle	500							
Operating Temperature	-40℃~105℃							
Wire Processing	Soldering / Screw Terminal							
Proposed Wire Gauge/mm²	12AWG / 3.31mm²	9AWG / 8.4mm²	18AWG / 0.75mm²	22AWG / 0.34mm²		(2.5mm²+0.2mm²) / (14AWG+24AWG)		
Proposed Cable Diameter	4.5-6.5mm, 6.5-10.5mm (Field Installable Plug), 13mm Max (Overmold Plug)							
Certification	UL1977, UL2238 for 3P							

Critical Dimension

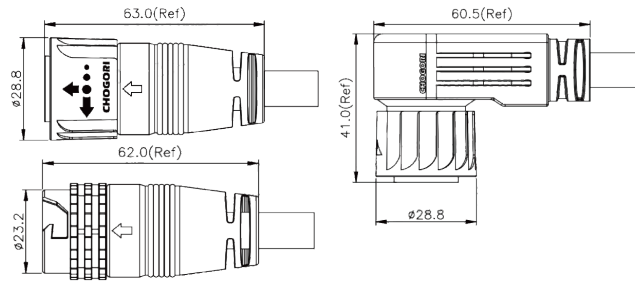
Panel Cut-Out(Circular & Square & Rhombus Version)



Field Installable Plug



Overmold Plug(Straight & Right Angle Version)



M15 Series

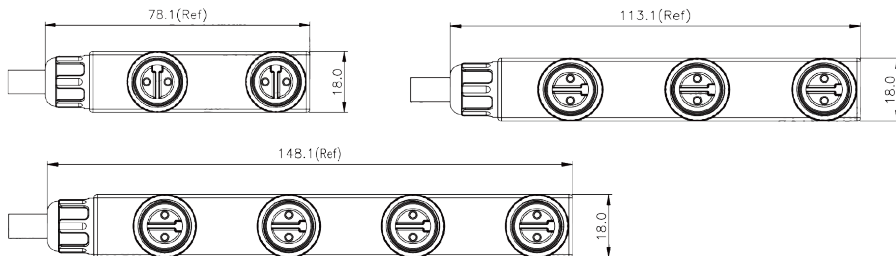
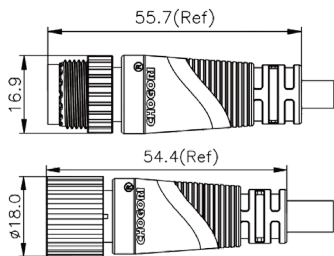
Product Display



Specification

Lock Mechanism	Screw Type	
Pin Number	2~4P	5P
Rated Current	10A	
Rated Voltage	300V	125V
IP Rating	IP68 Mated	
Mating Cycle	500	
Operating Temperature	-40°C~105°C	
Wire Processing	Soldering	
Proposed Wire Gauge/mm ²	18AWG / 1.0mm ²	
Proposed Cable Diameter	3.5-8.5mm	
Certification	UL2238	

Critical Dimension



M12 Series

Product Display

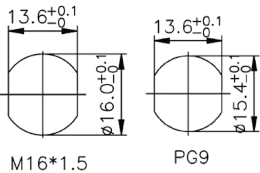


Specification

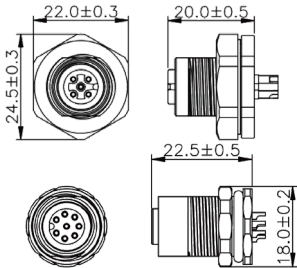
Lock Mechanism	Screw Type / Push Lock Type			
Pin Number	3-4P	5P	8P	12P
Rated Current	4A		2A	1.5A
Rated Voltage	250V	60V	30V	
IP Rating	IP67 Mated			
Mating Cycle	100			
Operating Temperature	-25°C~85°C			
Wire Processing	Soldering			
Proposed Wire Gauge/mm²	22AWG / 0.34mm²		24AWG / 0.25mm²	24AWG / 0.14mm²
Proposed Cable Diameter	Max 6.0mm			

Critical Dimension

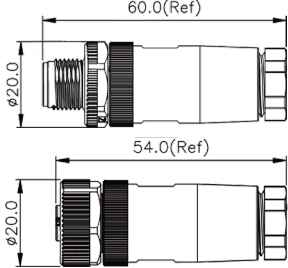
Panel Cut-Out



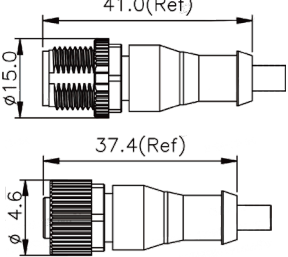
Panel Mount



Field Installable Plug



Overmold Plug(Straight & Right Angle Version)



RJ45 Series

Product Display

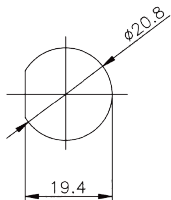


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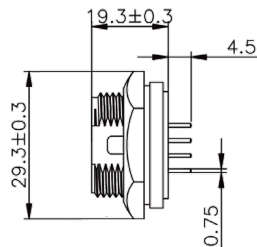
Lock Mechanism	Screw Type
Pin Number	8Pin
IP Rating	IP67 Mated
Mating Cycle	500
Operating Temperature	-40°C~85°C
Wire Processing	Soldering
Proposed Wire Gauge/mm ²	24AWG
Proposed Cable Diameter	4.0-7.0mm

Critical Dimension

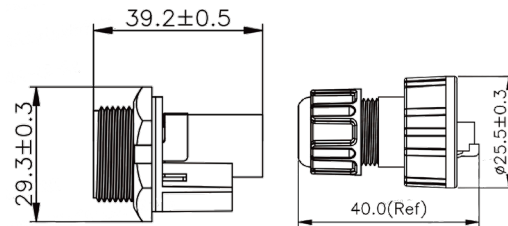
Panel Cut-Out



Panel Mount



Mating Plug



USB Series(USB 2.0 & Mini USB)

■ Specification

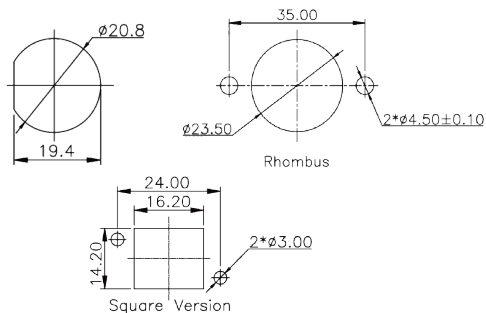
■ Product Display



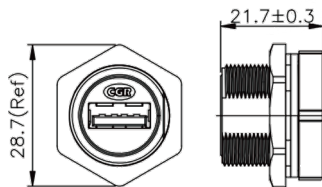
Lock Mechanism	Screw / Lock Bayonet Type
Pin Number	4Pin
Rated Current	1.5A
IP Rating	IP67 Mated
Mating Cycle	1500
Operating Temperature	-40°C~85°C
Wire Processing	Soldering
Proposed Wire Gauge/mm ²	0.204mm ² / 24AWG
Proposed Cable Diameter	3.5-6.8mm

■ Critical Dimension

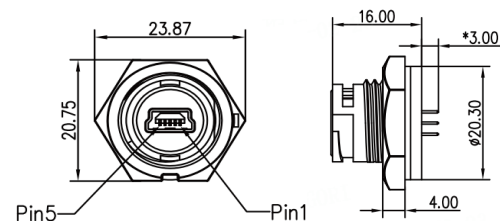
Panel Cut-Out(Circular & Rhombus & Square Version)



USB 2.0 Connector



Mini USB Connector



CPL Series

Product Display

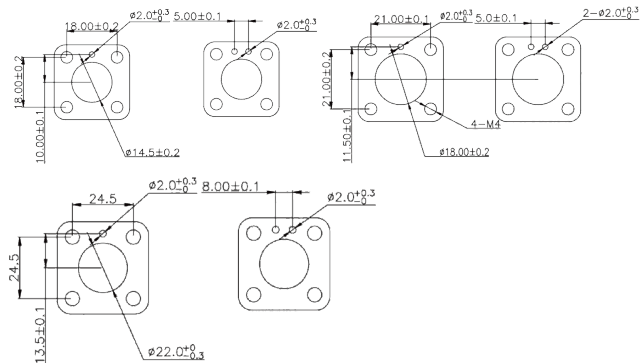


Specification

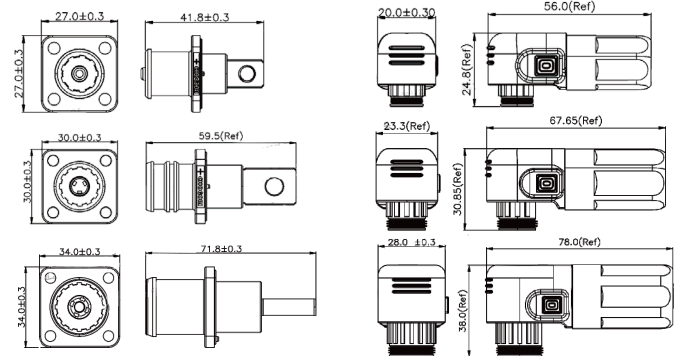
Rated Current	120A	200A	300A
Rated Voltage	1500V		
IP Rating	IP67 Mated & IPXXB		
Mating Cycle	>100		
Operating Temperature	-40°C~125°C		
Wire Processing	Crimp		
Proposed Wire Gauge/mm ²	25mm ²	50mm ²	95mm ²
Certification	UL4218		

Critical Dimension

Panel Cut-Out (Orange & Black)

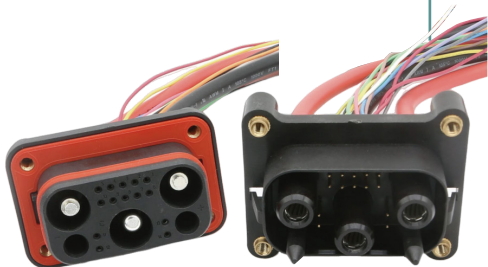


Field Installable Plug



FC31

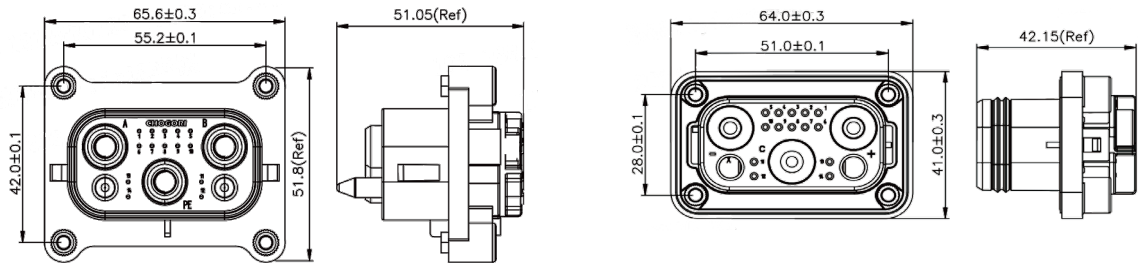
Product Display



Specification

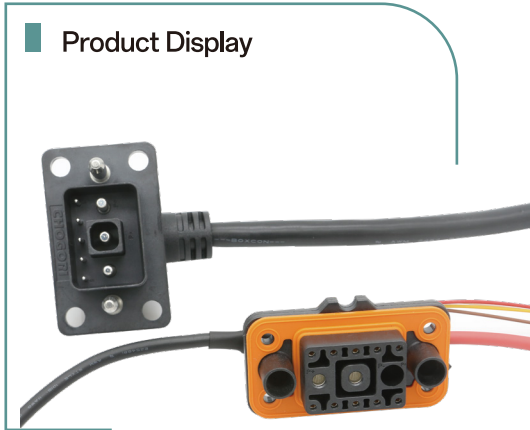
Pin Number	3 Power+14 Signal
Rated Current	70A+3A
Rated Voltage	1000V+24V
IP Rating	IPX6 Mated
Mating Cycle	100
Operating Temperature	-40°C~105°C
Wire Processing	Crimp
Proposed Wire Gauge	Power: 8AWG Max Signal: 20AWG Max
Certification	UL4218 TUV

Critical Dimension



FC09 Pro

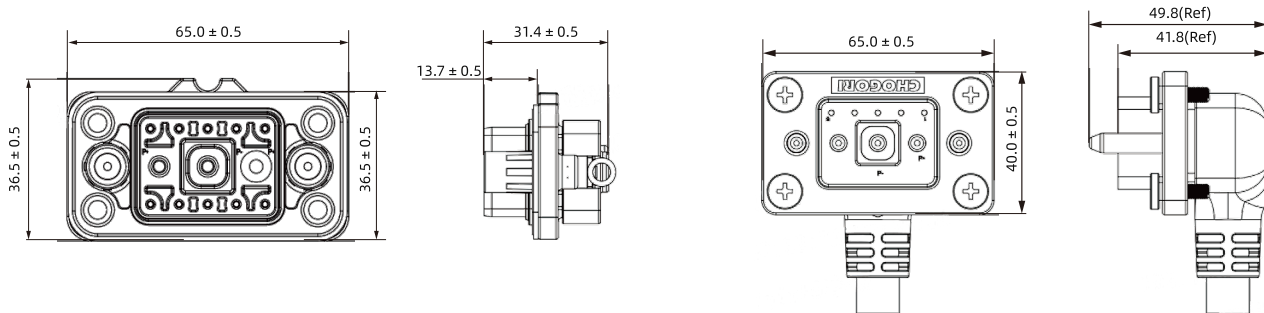
Product Display



Specification

Pin Number	2 Power+5 Signal
Rated Current	40A+5A
Rated Voltage	72V
IP Rating	IPX5 Mated IPX7 Battery Side
Mating Cycle	5000
Operating Temperature	-40°C~105°C
Wire Processing	Crimp
Proposed Wire Gauge	Power: 9AWG Max Signal: 20AWG Max

Critical Dimension



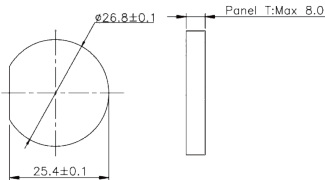
FAC Series

Product Display

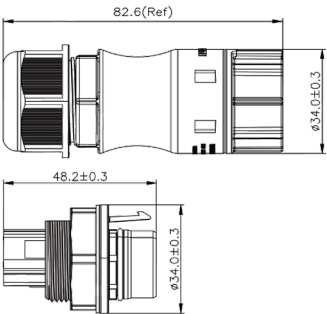


Critical Dimension

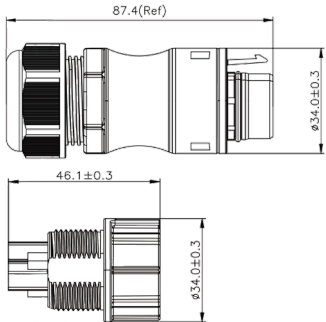
Panel Cut-Out



Field Installable Female Plug



Field Installable Male Plug



Specification

Pin Number	3Pin
Rated Current	35A
Rated Voltage	690V
IP Rating	IP67 Mated & IPXXB
Mating Cycle	100
Operating Temperature	-40°C~105°C
Wire Processing	Screw Terminal / Soldering
Proposed Wire Gauge	10-14AWG
Proposed Cable Diameter	12-15mm
Certification	UL2238 TUV

KR Series

Product Display

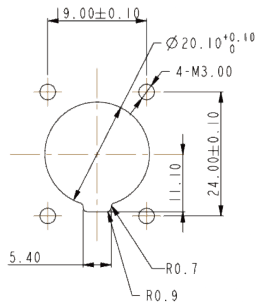


Specification

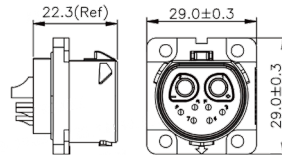
Lock Mechanism	Buckle Lock / Push Lock Type
Pin Number	2 Power+6 Signal
Rated Current	40A + 2A
Rated Voltage	125V (Power)+72V (Signal)
IP Rating	IP67 Mated, IPXXB Unmate, IP67 Battery Side
Mating Cycle	3000
Operating Temperature	-40°C~105°C
Wire Processing	Soldering
Proposed Wire Gauge/mm ²	Power: 10AWG Max Signal: 20AWG Max
Proposed Cable Diameter	OD: 12.5mm (MAX)

Critical Dimension

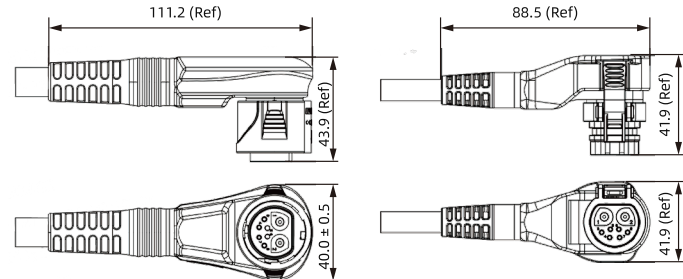
Panel Cut-Out



Panel Mount



Overmold Plug

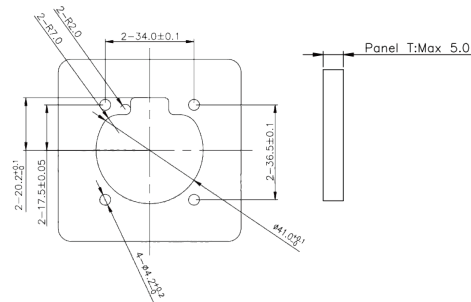


■ Specification

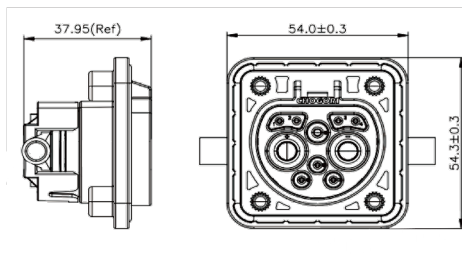
Lock Mechanism	Buckle Lock Type
Pin Number	2 Power+1 Charger+7 Signal
Rated Current	Discharging: 100A Charging: 25A Signal: 5A
Rated Voltage	630V (Power)+100V (Signal)
IP Rating	IP67 Mated, IP67 Battery Side, IPXXB Unmate
Mating Cycle	3000
Operating Temperature	-40°C~105°C
Wire Processing	Crimp / Soldering
Proposed Wire Gauge/mm²	Discharging: 25mm² Charging: 16AWG~12AWG Signal: 22AWG~20AWG
Proposed Cable Diameter	OD: Power10.2mm (MAX) Signal+Charger8.0mm (MAX)



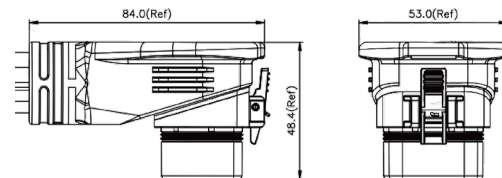
Panel Cut-Out



Panel Mount



Overmold Plug



Mate Series

Product Display

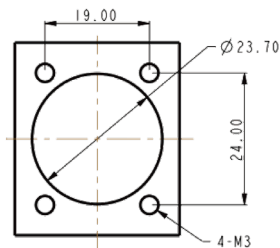


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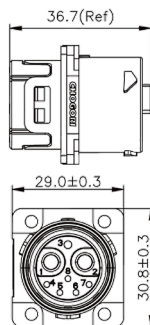
Lock Mechanism	Push Lock Type
Pin Number	2 Power+1 Charger+5 Signal
Rated Current	60A+15A+5A
Rated Voltage	125V (Power)+80V (Signal)
IP Rating	IP67 Mated, IP67 Battery Side, IPXXB Unmate
Mating Cycle	5000
Operating Temperature	-40°C~105°C
Wire Processing	Crimp / Soldering
Proposed Wire Gauge	Power: 8AWG Max Charger: 16AWG Max Signal: 20AWG Max
Proposed Cable Diameter	OD: 16 MAX

Critical Dimension

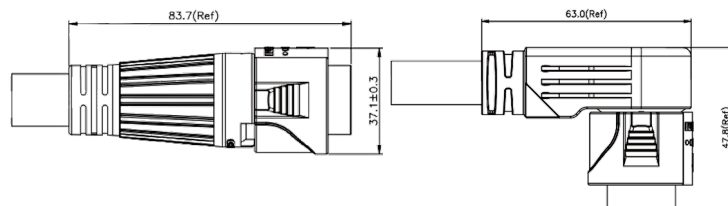
Panel Cut-Out



Panel Mount



Overmold Plug



CAC Series

Product Display

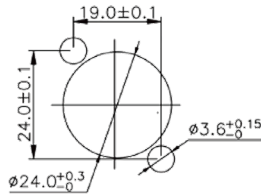


Specification

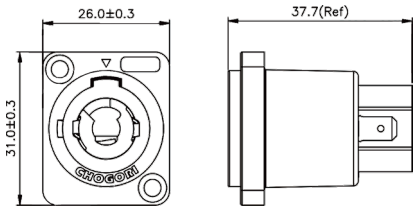
Lock Mechanism	Quick Lock Type	
Pin Number	3Pin	
Rated Current	20A	
Rated Voltage	250V	
IP Rating	IP66 Mated	
Mating Cycle	500	
Operating Temperature	-40°C~105°C	
Wire Processing	Soldering	
Proposed Wire Gauge/mm ²	14AWG / 2.08mm ²	12AWG / 3.31mm ²
Proposed Cable Diameter	OD: 7~14mm	

Critical Dimension

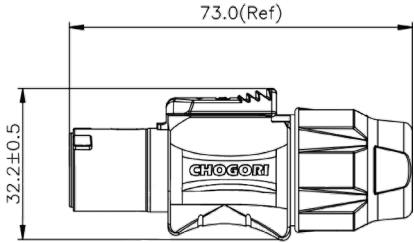
Panel Cut-Out



Panel Mount



Field Installable Plug



Cable Assembly & Splitter

Product Display

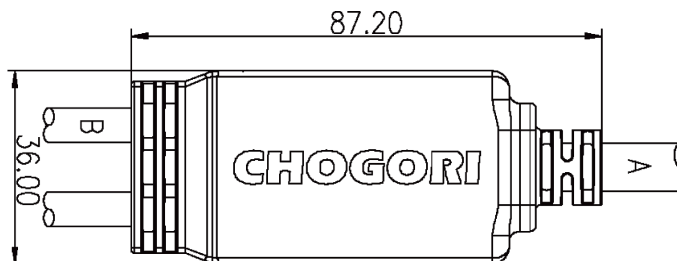


Specification

IP Rating	IP65
Mating Cycle	500
Operating Temperature	-20°C~85°C
Wire Processing	Soldering
Proposed Cable Diameter	Cable A Range: 6.0~13.0mm Cable B Range: 4.5~7.5mm

Critical Dimension

Overmold Plug



Cable Assembly & Splitter

Product Display

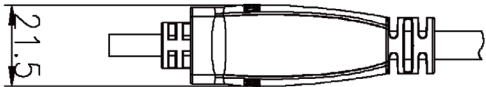
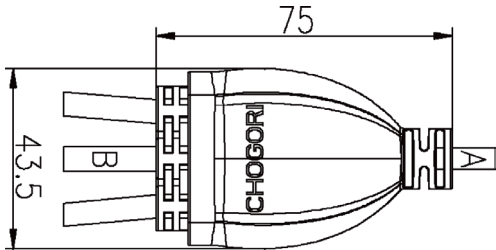


Specification

IP Rating	IP65	
Mating Cycle	500	
Operating Temperature	-20℃~85℃	
Wire Processing	Soldering	
Proposed Cable Diameter	Cable A Range: 4.5~9.0mm	Cable B Range: 4.5~8.0mm

Critical Dimension

Overmold Plug



Cable Assembly & Splitter

Product Display

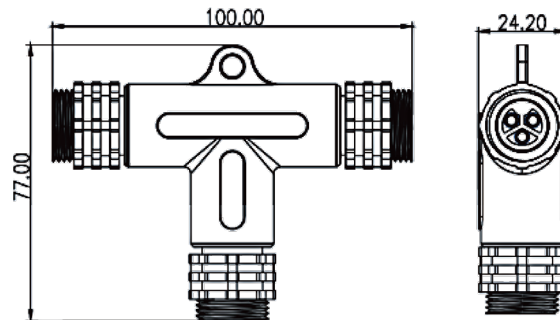


Specification

Lock Mechanism	Screw Type
Pin Number	3Pin
Rated Current	20A
Rated Voltage	300V
IP Rating	IP67 Mated
Mating Cycle	500
Operating Temperature	-40°C~105°C
Wire Processing	Soldering
Proposed Wire Gauge/mm ²	14AWG / 2.08mm ²

Critical Dimension

Overmold Plug





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