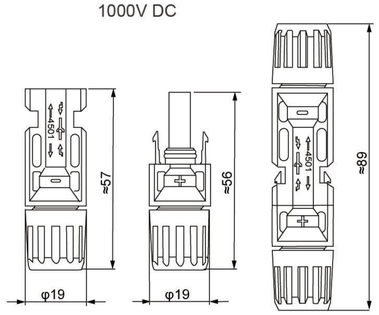
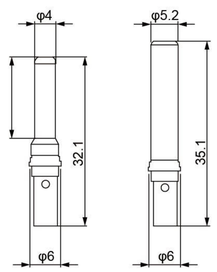
D

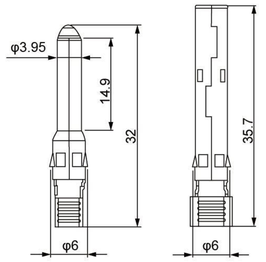
1.General

SL-CP-MC4 connector is typically made from copper, with a tin plating to enhance their conductivity and corrosion resistance, it is specialized electrical connectors designed specifically for solar panels, inverters, DC combiner boxes, and other components in a photovoltaic (PV) system.
SL-CP-MC4 connectors have become the industry standard due to their reliability, weather resistance, compatibility, cost-effectiveness, and easy installation and maintenance.

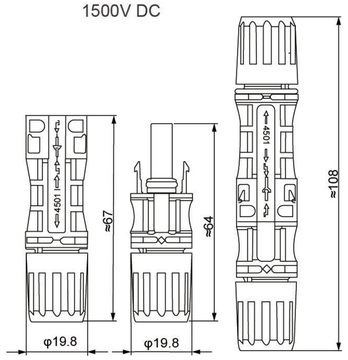
1000V DC

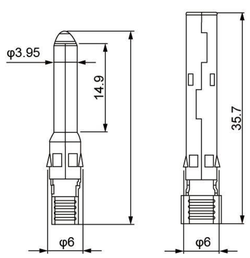


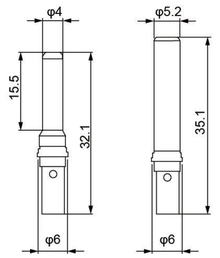




1500V DC







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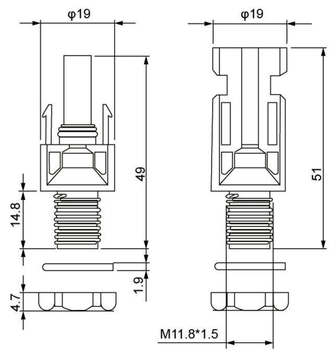
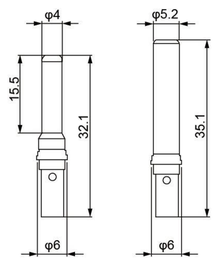
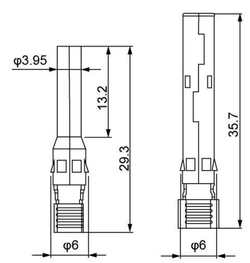
SL-CP-MC4-1 1000V DC



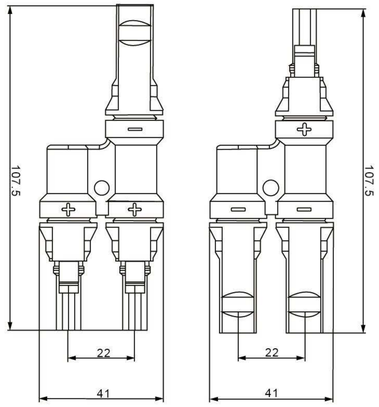




2.SL-CP-MC4 Specifications

Connector system	Φ4mm
Rated voltage	1000V/1500V DC
Rated current	17A(1.5mm²) 22A(2.5mm²,14AWG), 30A(4mm², 6mm², 12AWG, 10AWG)
Test voltage	6kV(50Hz, 1min)
Ambient temperature range	-40°C...+90°C(IEC) -40°C...+75°C(UL)
Upper limiting temperature	+105°C(IEC)
Degree of protection, mated	IP67
Unmated	IP2X
Comtact resistance of plug connectors	0.5mΩ
Safety class	Ⅱ
Contact material	Messing, verzinnt Copper Alloy, tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-90-V0
Sait mist spray test, degree of severity 5	IEC60068-2-52

SL-CP-MC4-T2



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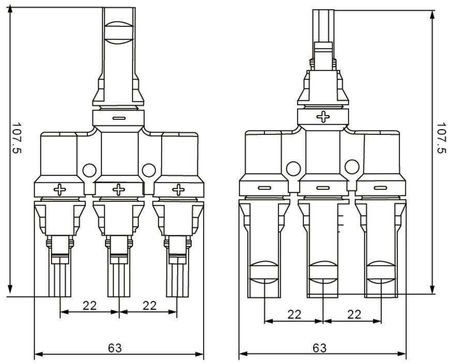
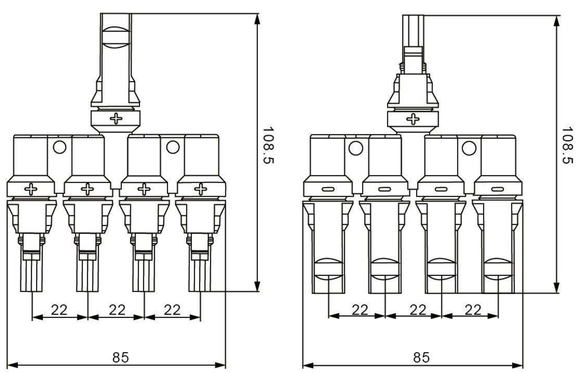
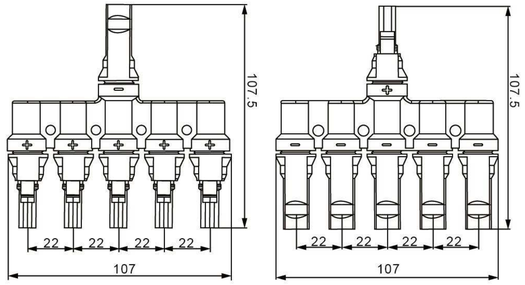


SL-CP-MC4-T4



SL-CP-MC4-T5



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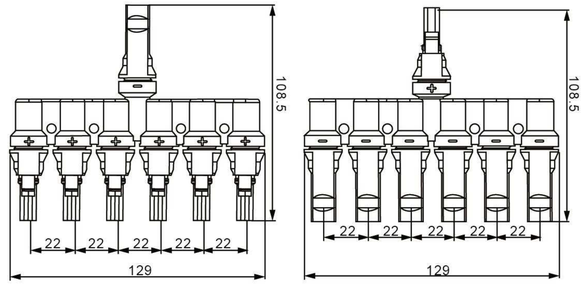
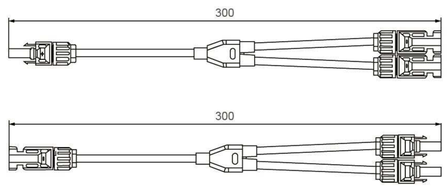


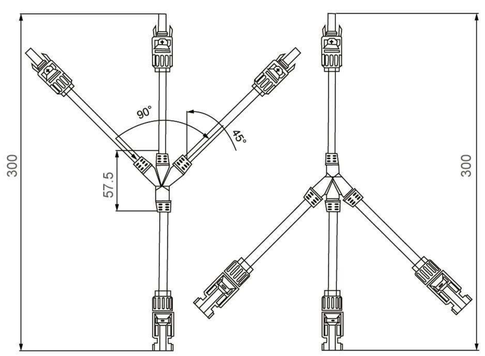
3.SL-CP-MC4-T Series Specifications

Insulation material	PPO
Contact material	Copper, Tin plated
Suitable current	30A
Rated voltage	1000VDC(TUV) 600VDC(UL)
Test voltage	6kV(TUV50Hz, 1min)
Contact resistance	<0.5mΩ
Degree of protection	IP67
Ambient temperature range	-40°C~+85°C
Flame class	UL94-V0
Safety class	Ⅱ
Pin dimensions	Φ4mm

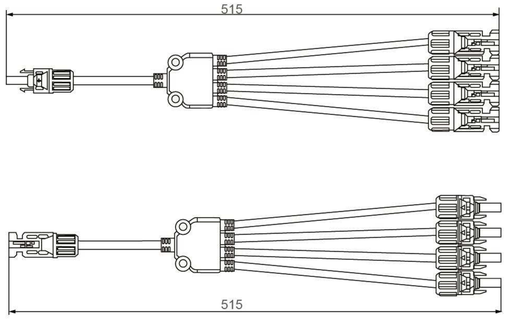
SL-CP-MC4-Y2



SL-CP-MC4-Y3



SL-CP-MC4-Y4



4.SL-CP-MC4-Y Series Specifications

Connector system	Φ4mm
Rated voltage	1000V DC
Rated current	30A
Test voltage	6kV(50Hz, 1min)
Ambient temperature range	-40℃...+90℃(IEC) -40℃...+75℃(UL)
Upper limiting temperature	+105℃(IEC)
Degree of protection, mated	IP67
Unmated	IP2X
Comtact resistance of plug connectors	0.5mΩ
Safety class	Ⅱ
Contact material	Messing, verzinnt Copper Alloy, tin plated
Insulation material	PC/PA
Locking system	Snap-in
Flame class	UL-90-V0
Sait mist spray test, degree of severity 5	IEC60068-2-52

5.Order Note

Following items should be marked when ordering	Ordering sample
Product name, model Quantity	To order the Solar Panel Connectors SL-CP-MC4-T2, quantity is 100 pieces, should be marked: Solar Panel Connectors SL-CP-MC4-T2, 100 PCS.