

THOR

PROTECTOR OF LIGHTNING PROTECTION
- SINCE 2006 -

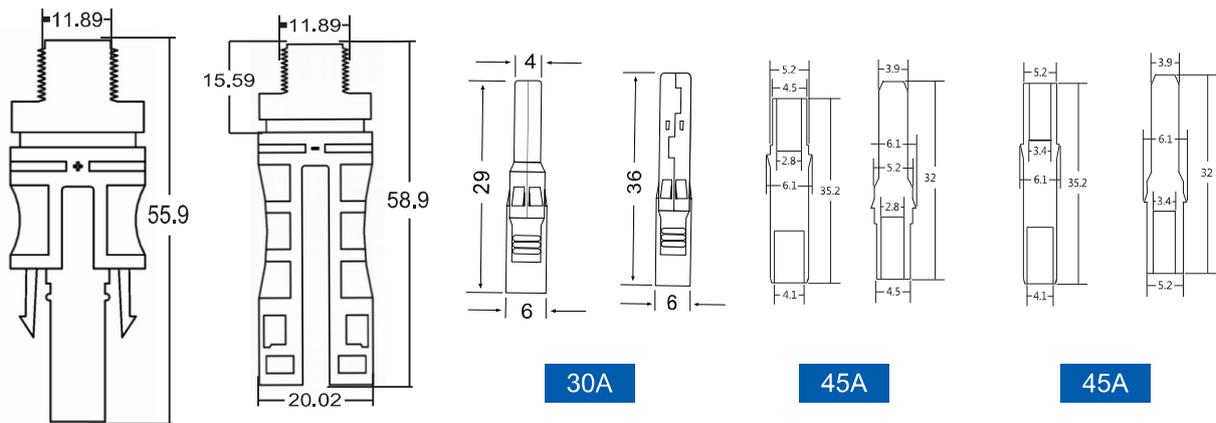
Catalogue PV connector



Technical Parameters

Model	MC4-1-1500V
Metal plug system	Φ2.5mm Φ4mm Φ6mm
Rated voltage	1500V DC
Rated current	30A(2,5mm ² ,4mm ² ,6mm ² ;14AWG,12AWG,10AWG) 45A(4mm ² ;6mm ² ;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
ambient temperature range	-40°C...+85°C(IEC) -40°F..+194°F(UL)
upper temperature limit	+105°C(IEC)
Protection level	IP67
Touch protection, unmated state	IP2X
Connector contact resistance	0,5mΩ
Security Level	II
Terminal material	Tinned copper/silvered copper
Insulation Materials	PC/PPO
locking system	Snap-in
Flammability rating	UL-94-Vo
Corrosion test level	IEC 60068-2-52

Size reference(mm)



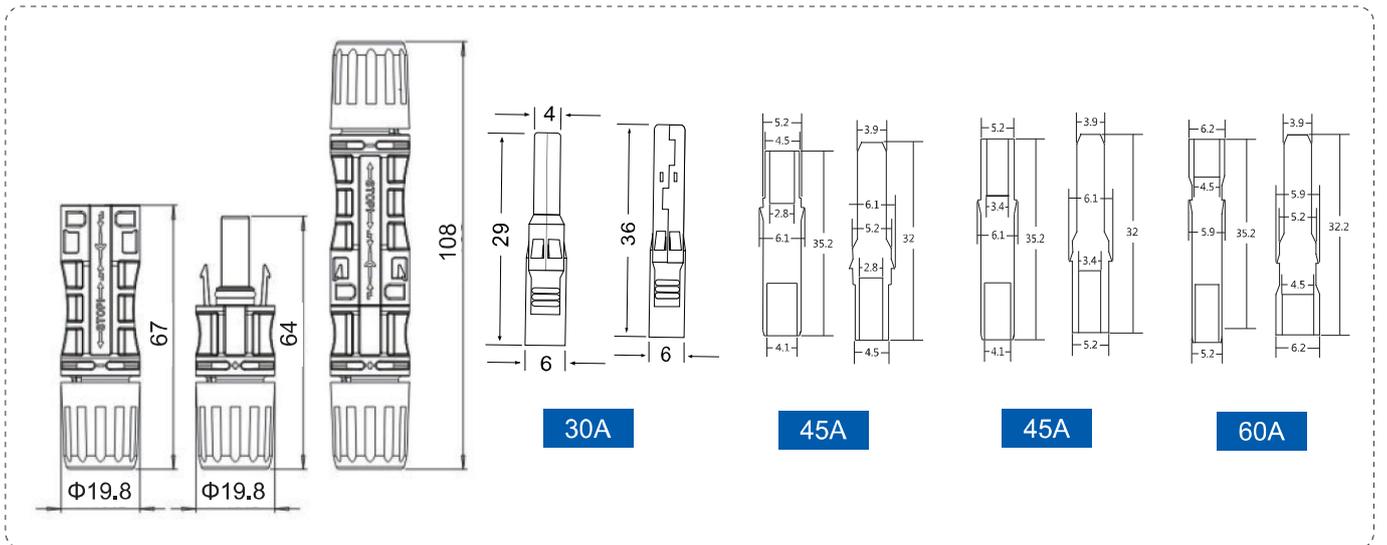
PV connector



Technical Parameters

Model	MC4-1500V
Metal plug system	Φ2.5mm Φ4mm Φ6mm Φ10mm Φ16mm
Rated voltage	1500V DC
Rated current	30A(2,5mm ² ,4mm ² ,6mm ² ;14AWG,12AWG,10AWG) 45A(4mm ² ;6mm ² ;12AWG,10AWG) 60A(10 mm ² ;8AWG) 80A(16mm ² ;7AWG)
Test voltage	6kV(50HZ,1min.)
ambient temperature range	-40°C...+85°C(IEC) -40°F..+194°F(UL)
upper temperature limit	+105°C(IEC)
Protection level	IP67
Touch protection, unmated state	IP2X
Connector contact resistance	0,5mΩ
Security Level	II
Terminal material	Tinned copper/silvered copper
Insulation Materials	PC/PPO
locking system	Snap-in
Flammability rating	UL-94-Vo
Corrosion test level	IEC 60068-2-52

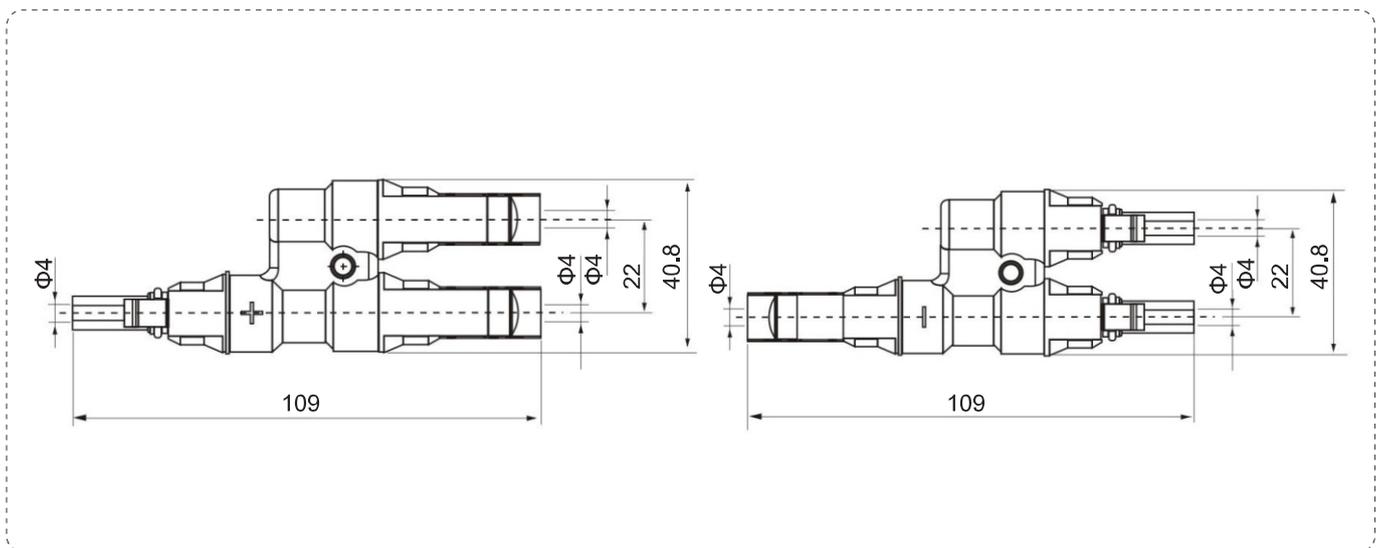
Size reference(mm)



Technical Parameters

Model	MC4-T3
Insulation Materials	PC
Contact materials	brass copper rod
Rated current	50A
Rated voltage	1000V (TUV) 600V (UL)
Test voltage	6KV(TUV50HZ,1min)
Contact resistance	<0.5mΩ
Protection level	IP67
ambient temperature range	-40°C ~+85°C
Flammability rating	UL 94-VO
Security Level	II
Aperture	Φ4mm

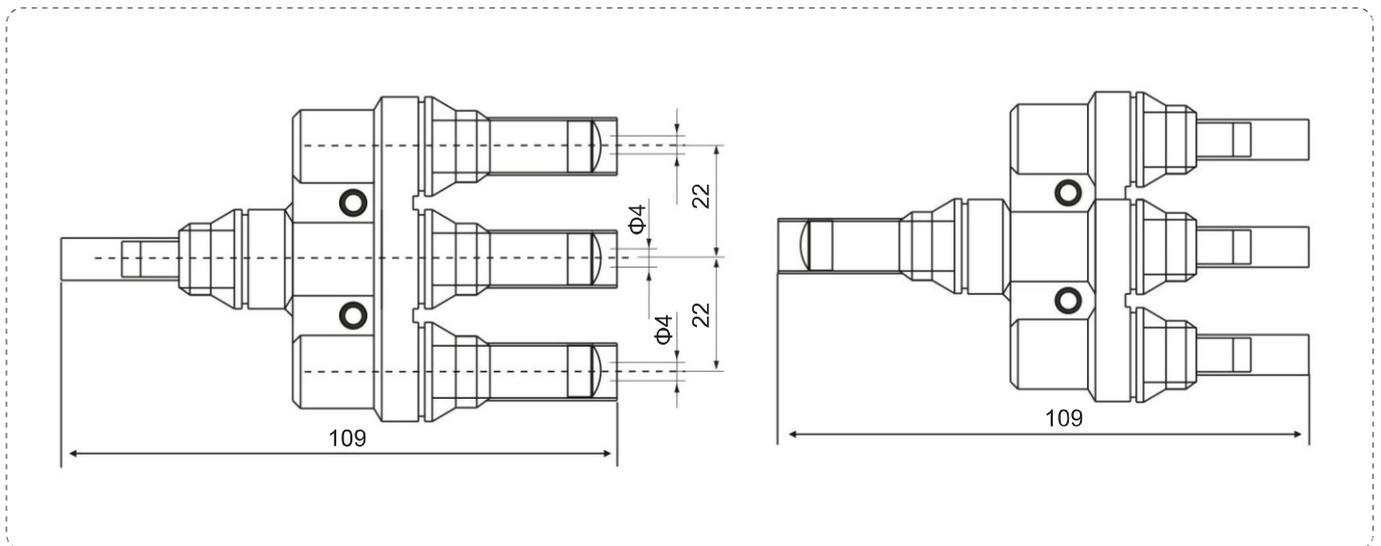
Size reference(mm)



Technical Parameters

Model	MC4-T4
Insulation Materials	PC
Contact materials	brass copper rod
Rated current	50A
Rated voltage	1000V (TUV) 600V (UL)
Test voltage	6KV(TUV50HZ,1min)
Contact resistance	<0.5mΩ
Protection level	IP67
ambient temperature range	-40° C ~+85° C
Flammability rating	UL 94-VO
Security Level	II
Aperture	Φ4mm

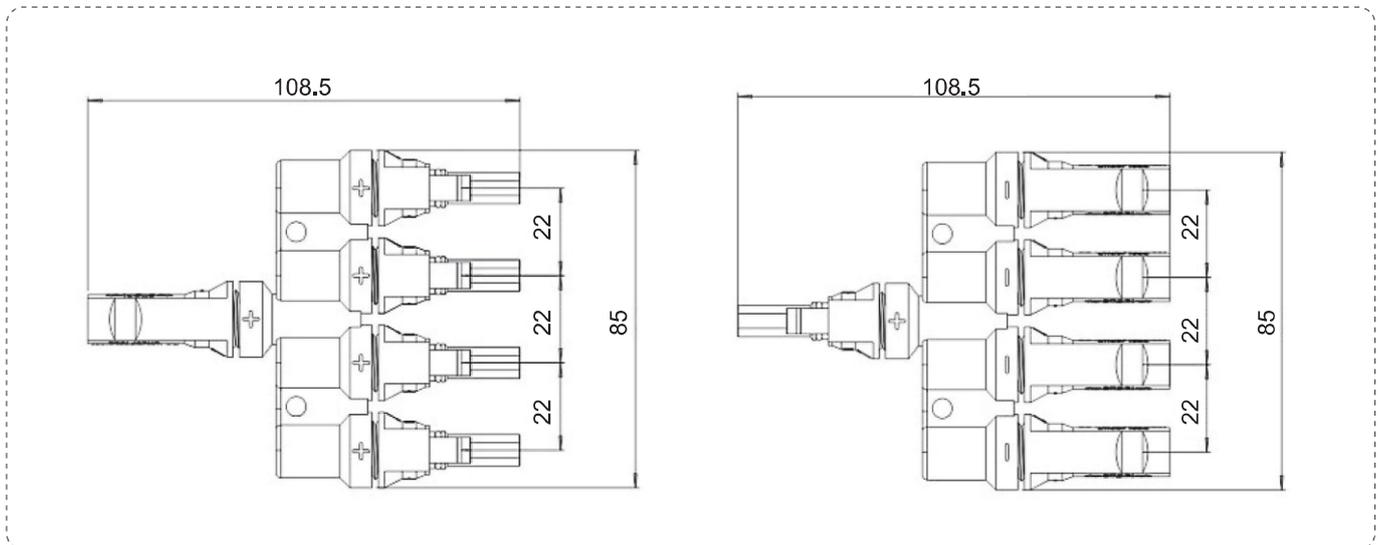
Size reference(mm)



Technical Parameters

Model	MC4-T5
Insulation Materials	PC
Contact materials	brass copper rod
Rated current	50A
Rated voltage	1000V (TUV) 600V (UL)
Test voltage	6KV(TUV50HZ,1min)
Contact resistance	<0.5mΩ
Protection level	IP67
ambient temperature range	-40°C ~+85°C
Flammability rating	UL 94-VO
Security Level	II
Aperture	Φ4mm

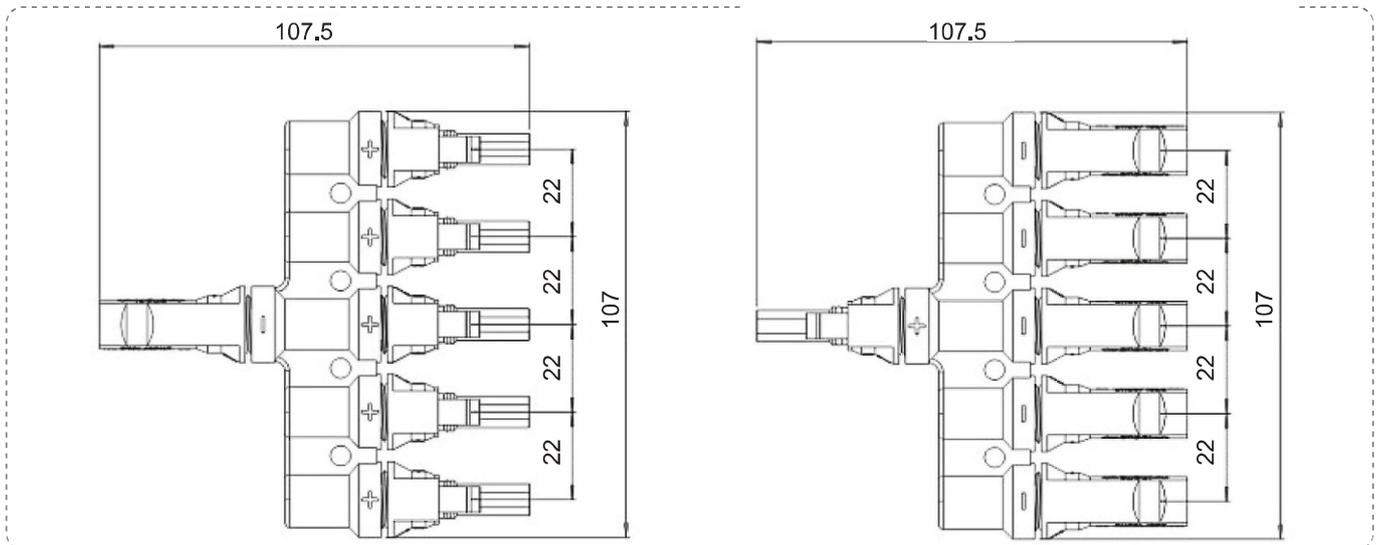
Size reference(mm)



Technical Parameters

Model	MC4-T6
Insulation Materials	PC
Contact materials	brass copper rod
Rated current	50A
Rated voltage	1000V (TUV) 600V (UL)
Test voltage	6KV(TUV50HZ,1min)
Contact resistance	<0.5mΩ
Protection level	IP67
ambient temperature range	-40°C ~+85°C
Flammability rating	UL 94-VO
Security Level	II
Aperture	Φ4mm

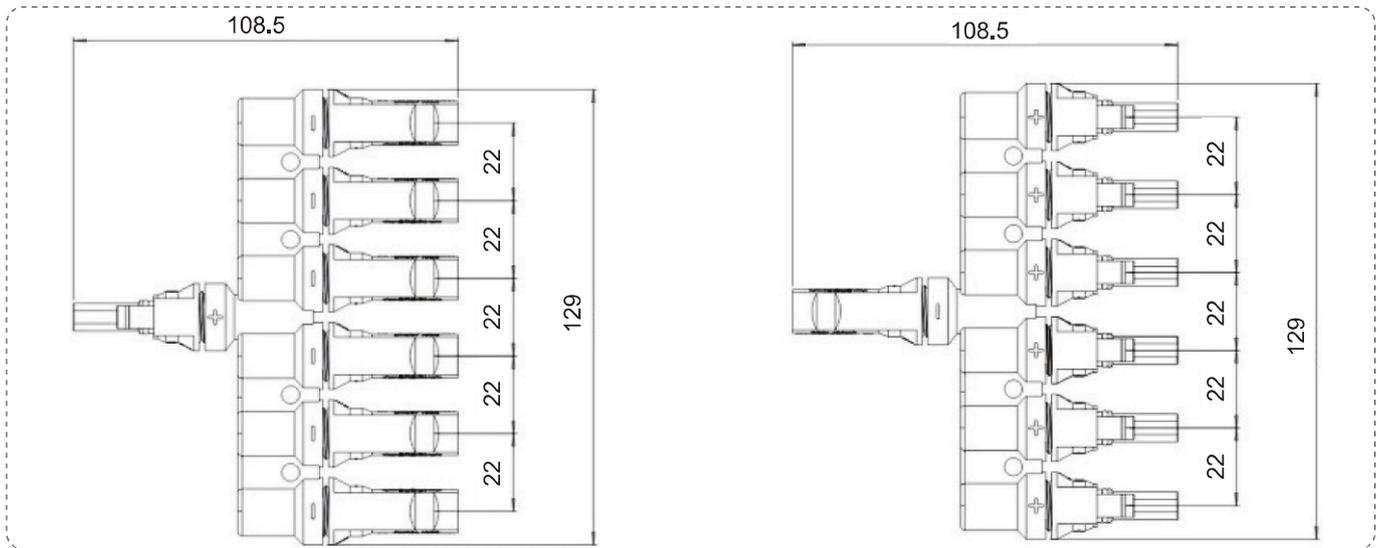
Size reference(mm)



Technical Parameters

Model	MC4-T7
Insulation Materials	PC
Contact materials	brass copper rod
Rated current	50A
Rated voltage	1000V (TUV) 600V (UL)
Test voltage	6KV(TUV50HZ,1min)
Contact resistance	<0,5mΩ
Protection level	IP67
ambient temperature range	-40° C ~+85° C
Flammability rating	UL 94-V0
Security Level	II
Aperture	Φ4mm

Size reference(mm)



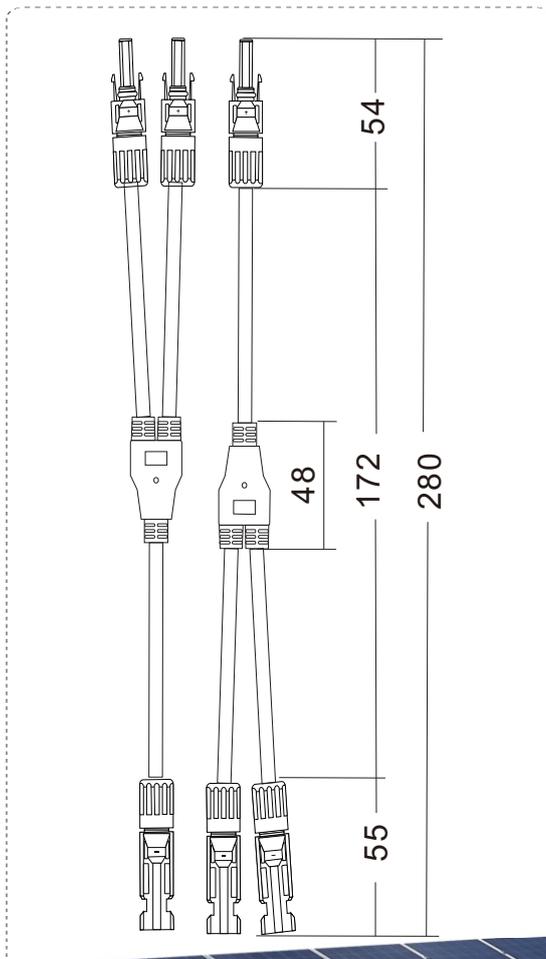
PV connector



Technical Parameters

Model	MC4-Y3
Metal plug system	Φ4mm
Rated voltage	1000V DC(IEC) ¹
Rated current	30A
Test voltage	6kV(50HZ,1min.)
ambient temperature range	-40°C...+85°C(IEC) -40°F...+194°F(UL)
upper temperature limit	+105°C(IEC)
Protection level	IP67
Touch protection, unmated state	IP2X
Connector contact resistance	0.5mΩ
Security Level	II
Terminal material	Tinned copper/silvered copper
Insulation Materials	PC/PPO
locking system	Snap-in
Flammability rating	UL-94-VO
Corrosion test level	IEC 60068-2-52

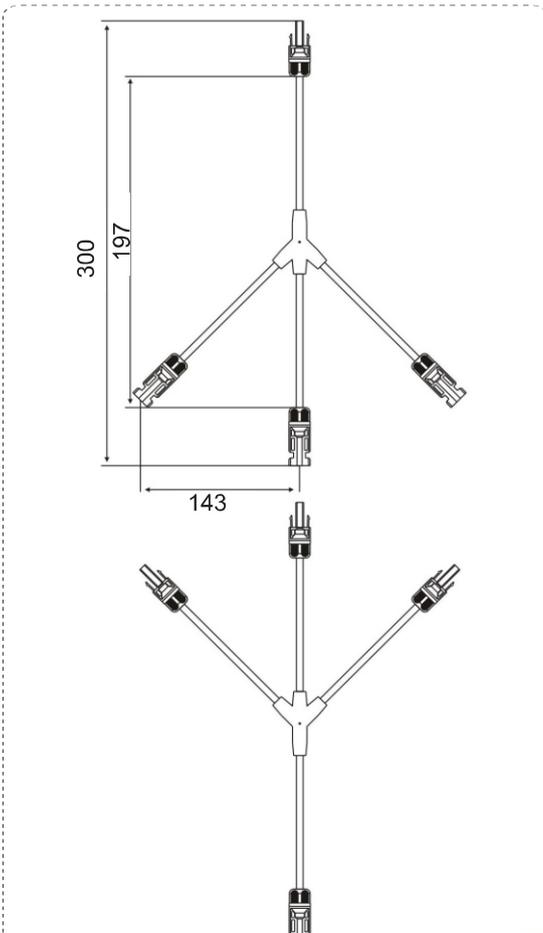
Size reference(mm)



Technical Parameters

Model	MC4-Y4
Metal plug system	Φ4mm
Rated voltage	1000V DC(IEC) ¹
Rated current	30A
Test voltage	6kV(50HZ,1min.)
ambient temperature range	-40°C...+85°C(IEC) -40°F...+194°F(UL)
upper temperature limit	+105°C(IEC)
Protection level	IP67
Touch protection, unmated state	IP2X
Connector contact resistance	0.5mΩ
Security Level	II
Terminal material	Tinned copper/silvered copper
Insulation Materials	PC/PA
locking system	Snap-in
Flammability rating	UL-94-VO
Corrosion test level	IEC 60068-2-52

Size reference(mm)

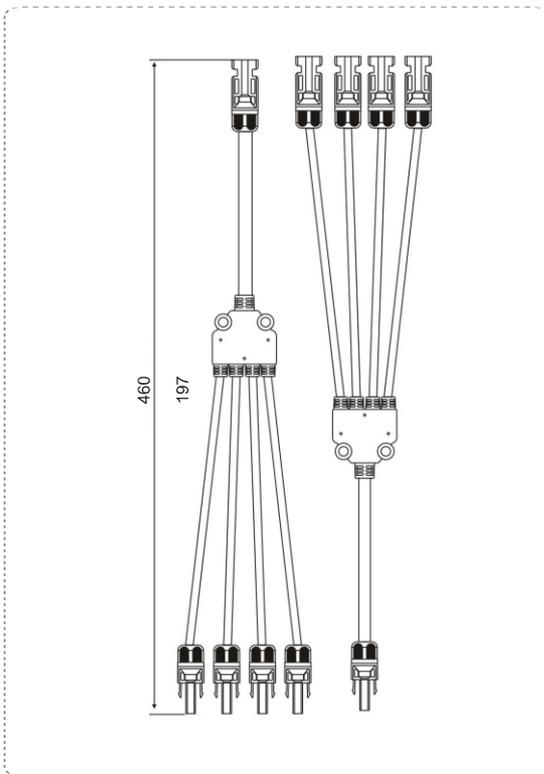


PV connector

Technical Parameters

Model	MC4-Y5
Metal plug system	Φ4mm
Rated voltage	1000V DC(IEC) ¹
Rated current	30A
Test voltage	6kV(50HZ,1min.)
ambient temperature range	-40°C...+85°C(IEC) -40°F...+194°F(UL)
upper temperature limit	+105°C(IEC)
Protection level	IP67
Touch protection, unmated state	IP2X
Connector contact resistance	0.5mΩ
Security Level	II
Terminal material	Tinned copper/silvered copper
Insulation Materials	PC/PA
locking system	Snap-in
Flammability rating	UL-94-VO
Corrosion test level	IEC 60068-2-52

Size reference(mm)





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