

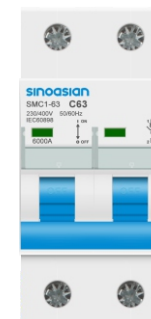
Contents

C1-C11

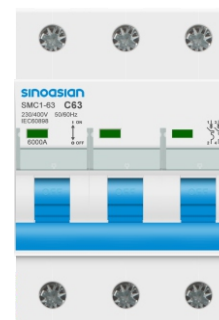
SMC1-63 series AC din-rail miniature circuit breaker	C1
SMC1-63PV series DC din-rail miniature circuit breaker	C2
SMC1-125 series AC din-rail miniature circuit breaker	C3
SMC1-125PV series DC din-rail miniature circuit breaker	C4
SF(PV) series DC/AC fuse link & fuse holder	C5
SK1 series AC moulded case circuit breaker	C6
SK1-PV series DC moulded case circuit breaker	C7
SPD1-40AC/DC series AC/DC surge protective device	C8
PV series solar connector	C9



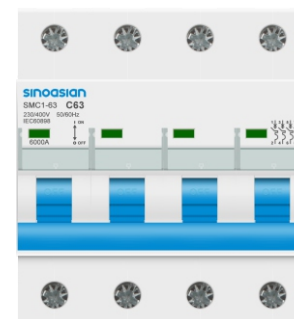
1P



2P



3P



4P

www.siebengroup.com

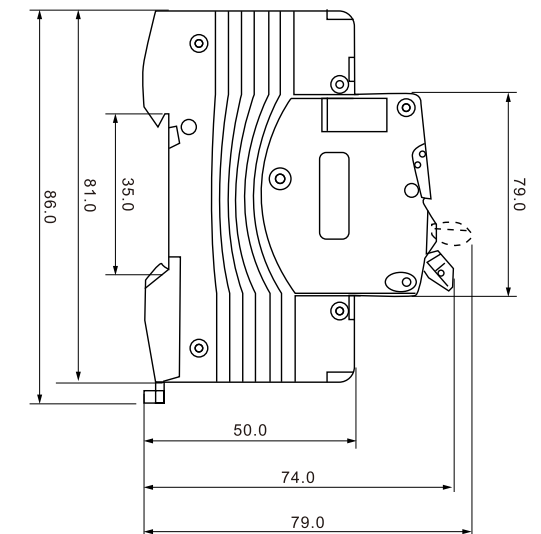
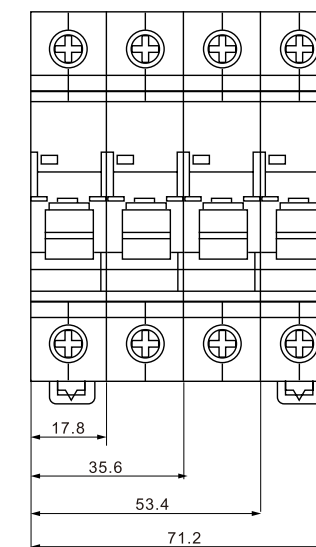
SMC1-63 Series

AC Din-rail Miniature Circuit Breaker

Specifications

Mode code	SMC1-63
Pole number	1P, 2P, 3P, 4P
Rated voltage	230/400V AC
Rated current	1/2/3/4/6/10/16/20/25/32/40/50/63A
Curve type	B, C, D
Ultimate breaking capacity	6kA
Rated frequency	50/60Hz
Trip type	Thermo-magnetic
Energy limiting class	3
Impulse withstand voltage	6.2kV
Mechanical life	10000 times
Electrical life	4000 times
Connection terminal	Screw terminal Pillar terminal with clamp
Connection capacity	Rigid conductor up to 25mm ²
Fastening toeque	2.0Nm
Environmental temperature	-20°C-70°C
Altitude	≤2000m
Relative humidity	≤90%
Use environment	No obvious shock and vibration
Installation	35mm symmetrical DIN rail

Overall Dimensions

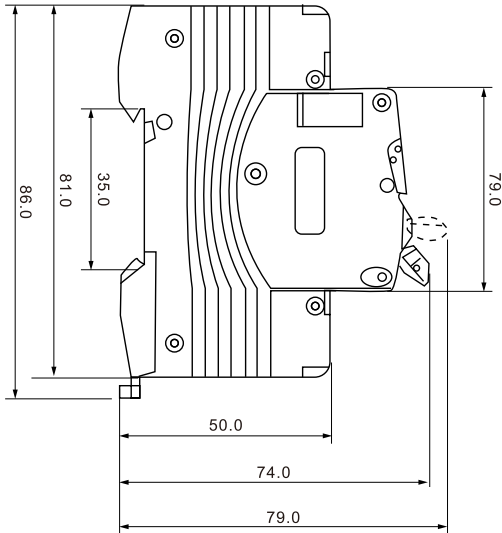
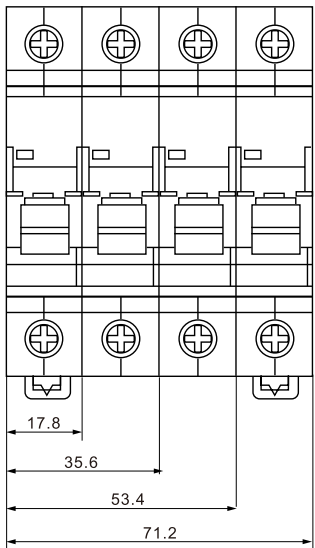


SMC1-63PV Series
DC Din-rail Miniature Circuit Breaker

Specifications

Mode code	SMC1-63PV			
Pole number	1P	2P	3P	4P
Rated voltage	250V	500V	750V	1000V
Rated current	6/10/16/20/25/32/40/50/63A			
Curve type	B, C, D			
Ultimate breaking capacity	6kA			
Rated frequency	50/60Hz			
Trip type	Thermo-magnetic			
Energy limiting class	3			
Impulse withstand voltage	6.2kV			
Mechanical life	10000 times			
Electrical life	4000 times			
Connection terminal	Screw terminal Pillar terminal with clamp			
Connection capacity	Rigid conductor up to 25mm ²			
Fastening toeque	2.0Nm			
Environmental temperature	-20°C-70°C			
Altitude	≤2000m			
Relative humidity	≤90%			
Use environment	No obvious shock and vibration			
Installation	35mm symmetrical DIN rail			

Overall Dimensions



1P

2P

3P

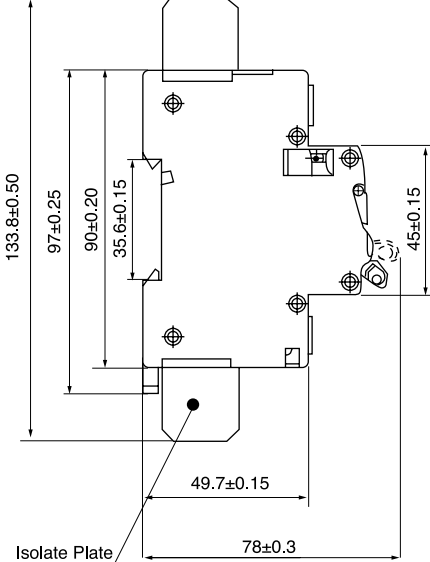
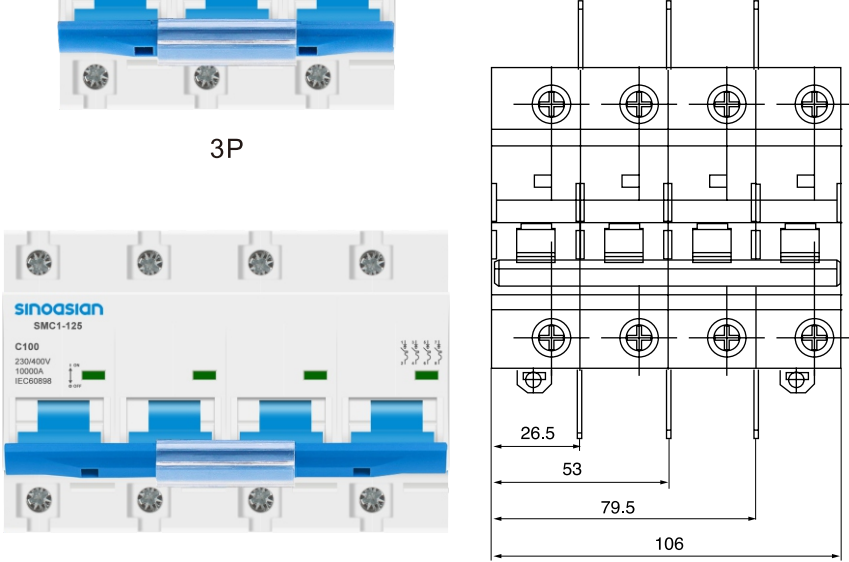
4P

SMC1-125 Series
AC Din-rail Miniature Circuit Breaker

Specifications

Mode code	SMC1-125
Pole number	1P, 2P, 3P, 4P
Rated voltage	230/400V AC
Rated current	20/25/32/40/50/63/80/100/125A
Curve type	C, D
Ultimate breaking capacity	10kA
Rated frequency	50/60Hz
Trip type	Thermo-magnetic
Energy limiting class	3
Impulse withstand voltage	6.2kV
Mechanical life	8500 times
Electrical life	2500 times
Connection terminal	Screw terminal Pillar terminal with clamp
Connection capacity	Rigid conductor up to 50mm ² Flexible conductor up to 35mm ²
Environmental temperature	-20°C-70°C
Altitude	≤2000m
Relative humidity	≤90%
Use environment	No obvious shock and vibration
Installation	35mm symmetrical DIN rail

Overall Dimensions



1P

2P

3P

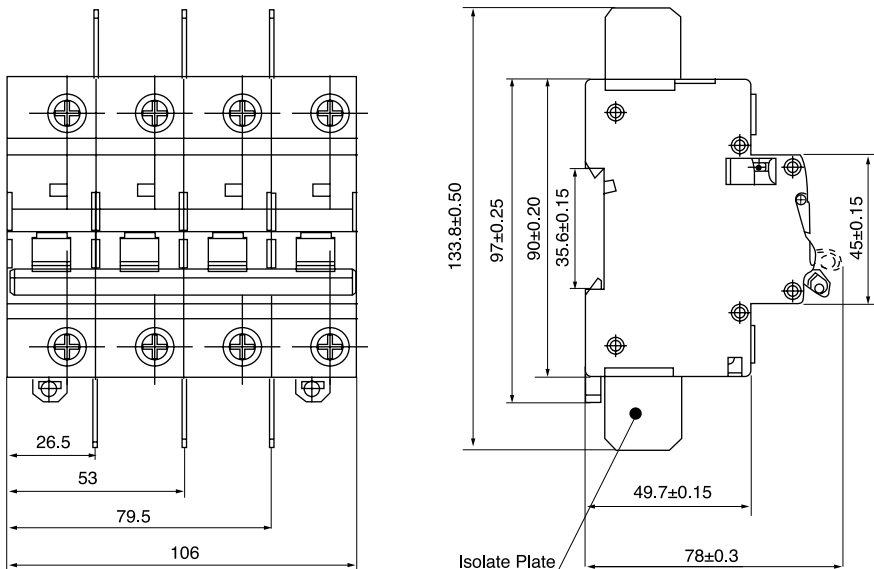
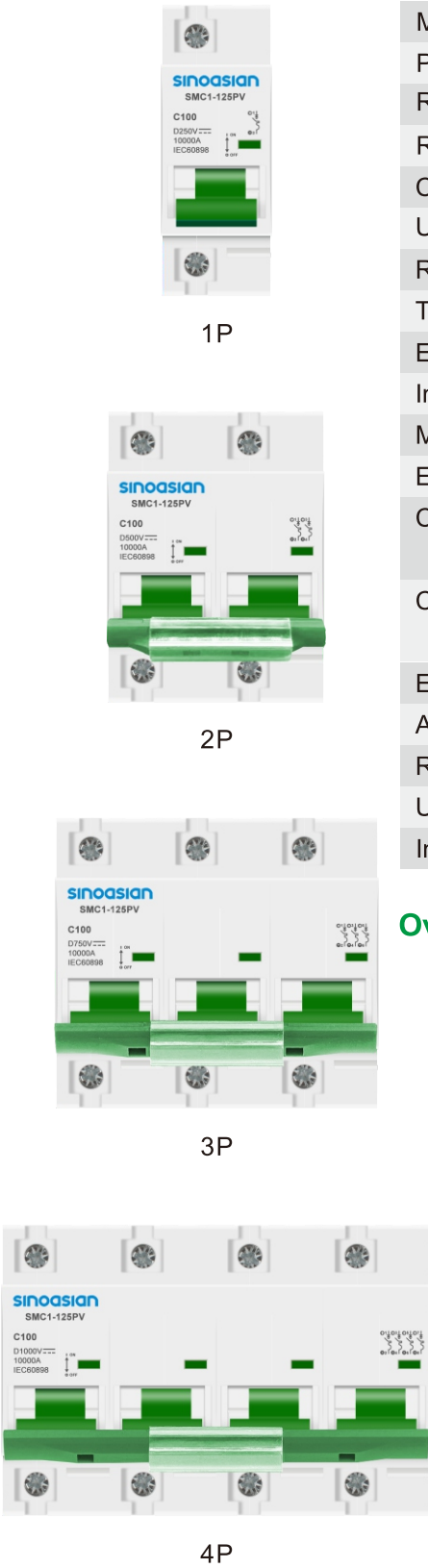
4P

SMC1-125PV Series
DC Din-rail Miniature Circuit Breaker

Specifications

Mode code	SMC1-125PV			
Pole number	1P	2P	3P	4P
Rated voltage	250V	500V	750V	1000V
Rated current	80/100/125A			
Curve type	B, C, D			
Ultimate breaking capacity	10kA			
Rated frequency	50/60Hz			
Trip type	Thermo-magnetic			
Energy limiting class	3			
Impulse withstand voltage	6.2kV			
Mechanical life	8500 times			
Electrical life	2500 times			
Connection terminal	Screw terminal Pillar terminal with clamp			
Connection capacity	Rigid conductor up to 50mm ² Flexible conductor up to 35mm ²			
Environmental temperature	-20°C-70°C			
Altitude	≤2000m			
Relative humidity	≤90%			
Use environment	No obvious shock and vibration			
Installation	35mm symmetrical DIN rail			

Overall Dimensions



SF(PV) Series
DC/AC Fuse Link & Fuse Holder



SFPV-30/32(L) DC Fuse Link

Model (Fast gPV)	Rated voltage	Rated current	Overall dimension/size
SFPV-30	1000VDC	1-30A	Φ10X38
SFPV-32	1500VDC	1-32A	Φ 10X65

SFPV-30DN/32D DC Fuse Holder

Model	Rated voltage	Rated current	Matching fuse	Overall dimension/size
SFPV-30DN	1000VDC	30A	Φ10X38	73X61X18
SFPV-32D	1500VDC	32A	Φ10X65	101X64X18

SF-32/63(S) AC Fuse Link

Model (Common gG)	Model (Fast aR)	Rated voltage	Rated current	Overall dimension/size
SF-32	SF-32S	380/500VAC	0.5-32A	Φ10X38
SF-63	SF-63S	380/500VAC	1-63A	Φ 14X51

SF-32/63(X) AC Fuse Holder

Model	Rated voltage	Rated current	Matching fuse	Overall dimension/size
SF-32(X)	380/500VAC	32A	Φ10X38	72.6X61X17.5
SF-63(X)	380/500VAC	63A	Φ14X51	93.6X70.5X24.5

SK1 Series
AC Moulded Case Circuit Breaker



Specifications

SK1 series moulded case circuit breaker is one of products developed and manufactured by adopting international advanced technology. It is supplied with rated insulating voltage 500 and 800V and used for the circuit of AC 50/60Hz, rated operating voltage AC 400V (or below), rated operating current up to 1 600A for infrequently changing over and starting of the motors. The products conforms to IEC60947-2 standard.

Specifications

Type	Rated current (A)	Pole number	Rated insulating voltage	Rated operating voltage	Arcing-over distance (mm)	Ultimate short circuit breaking capacity(KA)	Services short circuit breaking capacity(KA)	Operation performance	Utilization category
63L	(6),10,16,20,	3, 4	500V	400V	0	25	18	1500 8500	A
63M	25,32,40,50,63				0	50	35		
100L	(10),16,20,				0(≤ 50)	35	22		
100M	25,32,40,50,				0(≤ 50)	50	35		
100H	63,80,100	3, 4	500V	400V	0(≤ 50)	85	50	1000 7000	A
225L					≤ 50	35	22		
225M	100,125,160,				≤ 50	50	35		
225H	180,200,225				≤ 50	85	50		
400L	225,250,315,	3	800V	400V	≤ 50	50	35	1000 4000	A
400M	350,400				≤ 100	65	42		
630L	400				≤ 100	50	35		
630M	500				≤ 100	65	42		
630H	630	3	800V	400V	≤ 100	100	65	1000 4000	A
800M	630,700,800				≤ 100	75	50		
800H					≤ 100	100	65		
1250M	1000,1250				≤ 100	100	65		
1250H					≤ 100	125	75		

SK1-PV Series
DC Moulded Case Circuit Breaker



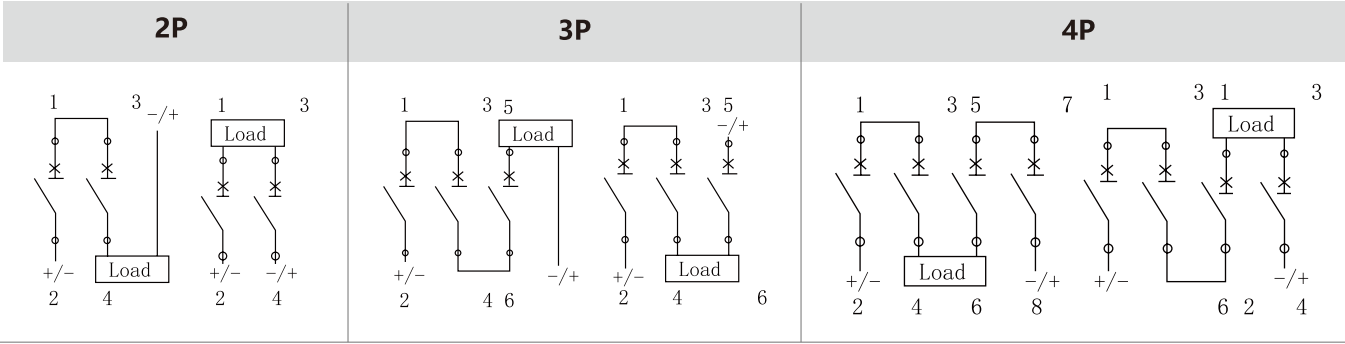
Specifications

SK1-PV series DC moulded case circuit breaker is designed to provide over current protection within appliances or electrical equipment, where a branch circuit protection is already provided or not required. Devices are designed for direct current (DC) control circuit applications, widely used in solar power system.

Specifications

Model code	SK1-125PV			SK1-250PV			SK1-400PV		SK1-630PV		SK1-800PV	
Pole number	2P	3P	4P	2P	3P	4P	3P	4P	3P	4P	3P	4P
Rated current	125A			250A			400A		630A		800A	
Rated voltage DC (V)	550 800	750 1000 1500	1000 1500	550 800	750 1000 1500	1000 1500	750 1000 1500	1000 1500	750 1000 1500	1000 1500	750 1000 1500	1000 1500
Trip type	Thermo-magnetic											
Rated impact voltage	8kV											
Ultimate breaking capacity	20kA											
Electrical life	10000 times											
Mechanical life	2000 times											
Standard	IEC60947-2, GB/T14048.2											

Specifications



SPD1-40AC/DC Series

AC/DC Surge Protective Device

SPD1-40AC Specification

Products features:

1. Three-phase protection for TN-S system
2. Plug module, easy for installation and maintenance
3. High discharge capacity, quick response
4. Double thermal disconnection devices, providing more reliable protection
5. Green window will change when fault happens and also provide remote alarm control at the same time

Mode code	SPD1-40AC
Pole number	1P, 2P, 3P, 4P
Rated voltage (Max continuous voltage) Uc	~420V
Nominal discharge current (8/20μs)	20kA
Max. discharge current (10/350μs)	40kA
Voltage protection level	1.8kV
Response time	25ns
Max. back up fuse	125A gL/gG
Switching capacity	AC: 250V/0.5A
Installation	35mm symmetrical DIN rail

SPD1-40DC Specification

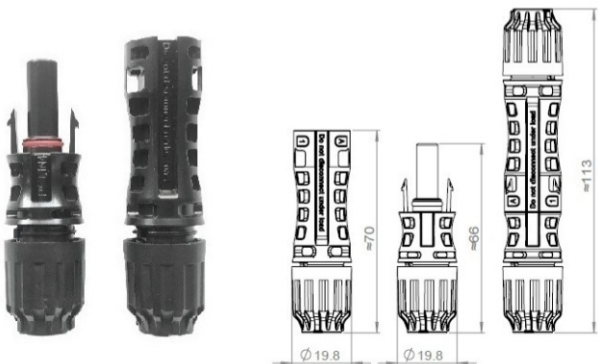
Mode code	SPD1-40DC
Pole number	2P, 3P
SPD to EN/IEC 61643-11	Type 1+2/Class I+II
Max. continuous operating PV voltage	550/1000V
Nominal discharge current (8/20μs) In	20kA
Max. discharge current (8/20μs) Imax	40kA
Max. impulse current (10/350μs) Iimp	6.25kA
Impulse current totally (10/350μs) Iimp	12.5kA
Voltage protection level Up	3.6kV
Follow current extinguishing capability	100Arms
Response time	25ns
Matched fuse or circuit breaker	32A
Switching capacity	250V/0.1A, 125V/0.2A, 75V/0.5A
Installation	35mm symmetrical DIN rail ²

PV Series

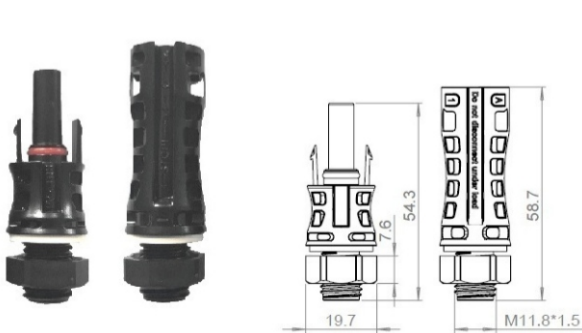
Solar Connector



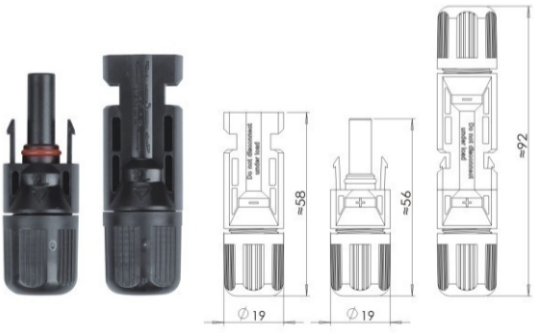
CM5(30A), CM5-1(50/60A) 1500V DC



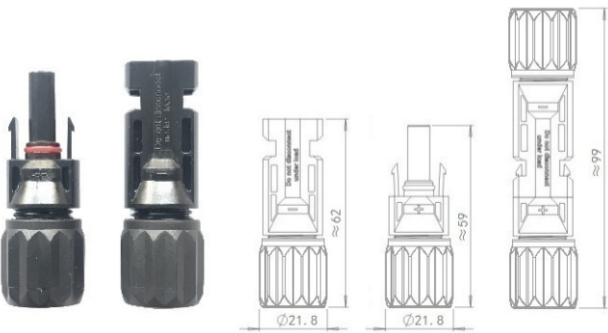
CN4(30A), CN4-1(50A) 1500V DC



CN01(30A), CN01-1(50A) 1500V DC



CM4(30A), CM4-1(50A) 1000V DC



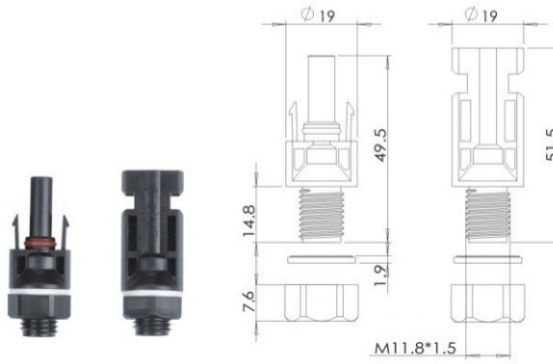
CM4-2(30/50A) 1000V DC



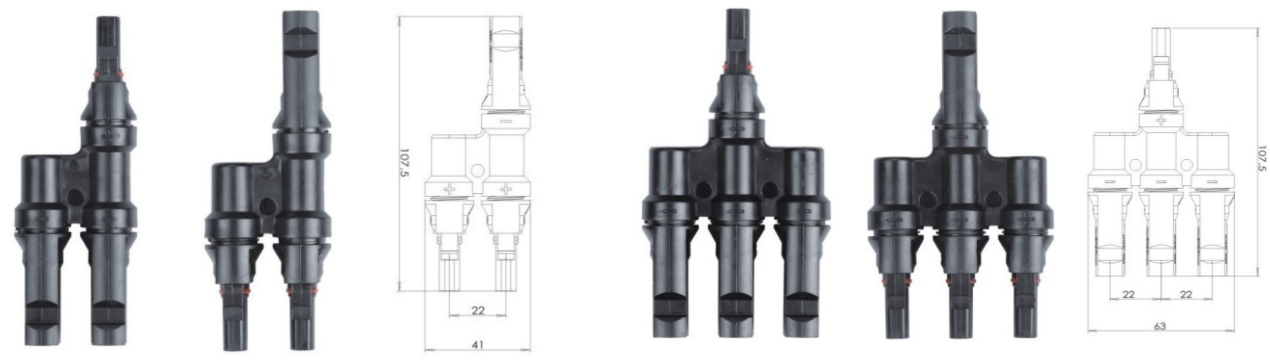
CM2(30A), CM2-1(50A) 1000V DC



CM3(30A), CM3-1(50/60A) 1000V DC



CM01(30A), CM01-1/2(30/50A) 1000V DC



C4-2(50A) 1500V DC

C4-3(50A) 1500V DC



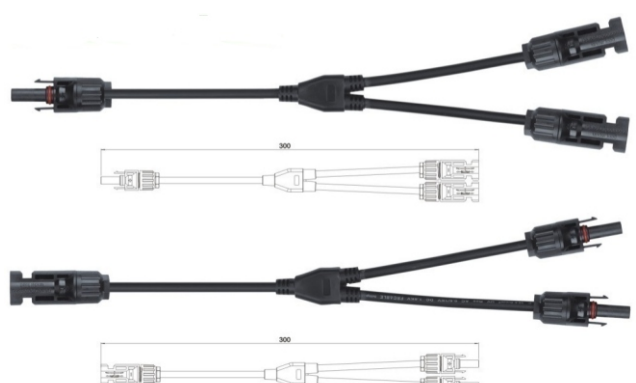
C4-4(50A) 1500V DC



C4-5(50A) 1500V DC



C4-6(50A) 1500V DC



CY2(30A) 4mm 1000V DC

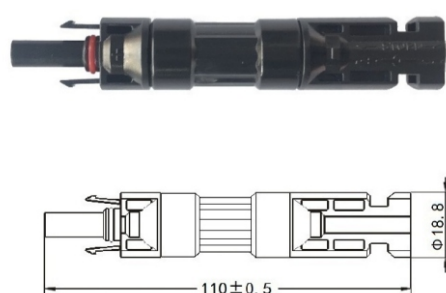
CY2-1(30A) 6mm 1500V DC



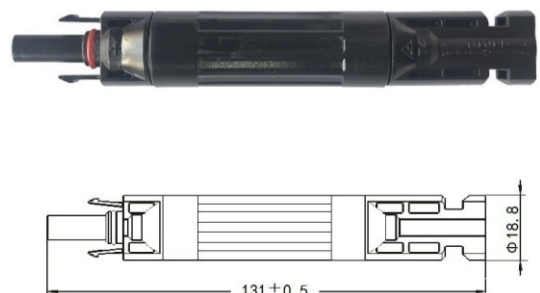
CY3(30A) 4mm 1000V DC



CY4(30A) 4mm 1000V DC



CME01(10/15/20A) 1000V DC



CMB01(10/15/20/30A) 1000V DC



C006 Spanner



Crimping Tool