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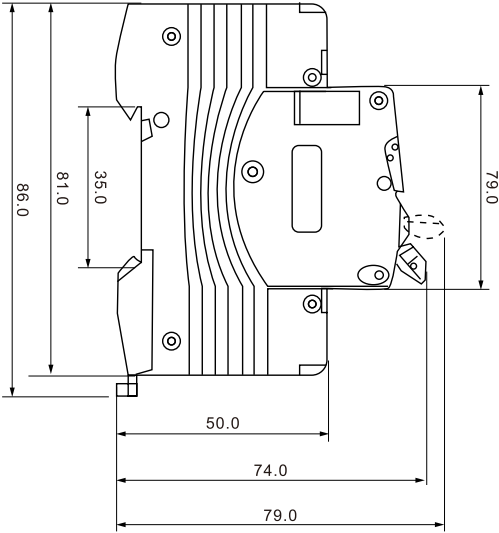
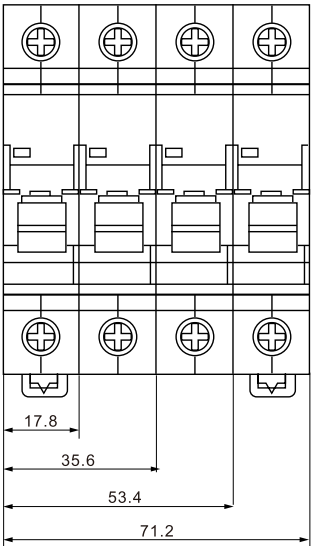
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SMC1-63PV Series
DC Din-rail Miniature Circuit Breaker

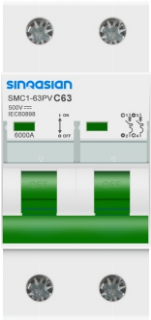
Specifications

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			

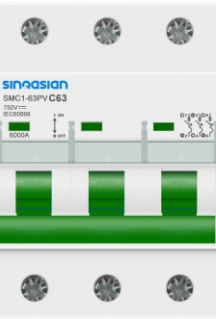
Overall Dimensions



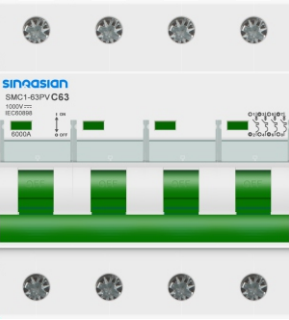
1P



2P



3P



4P

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

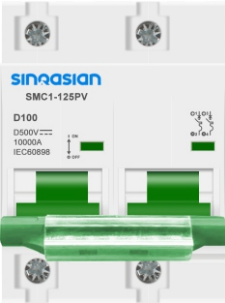
Specifications

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			

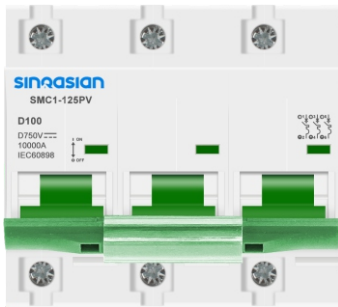
Overall Dimensions



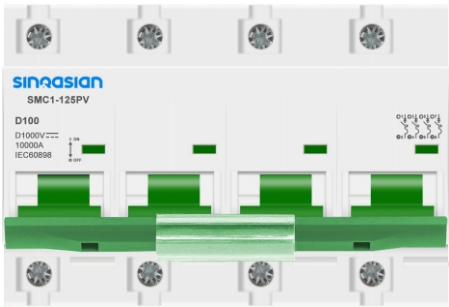
1P



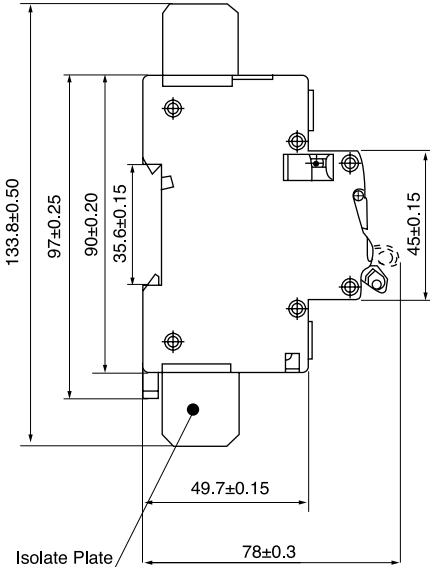
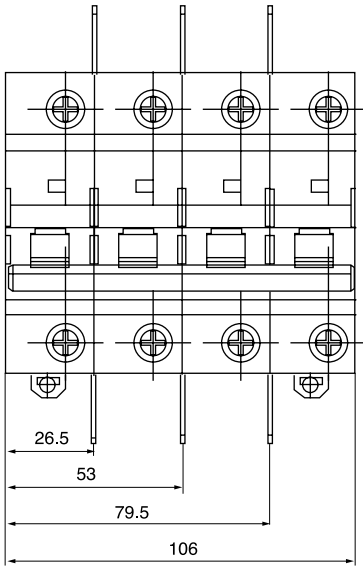
2P



3P



4P

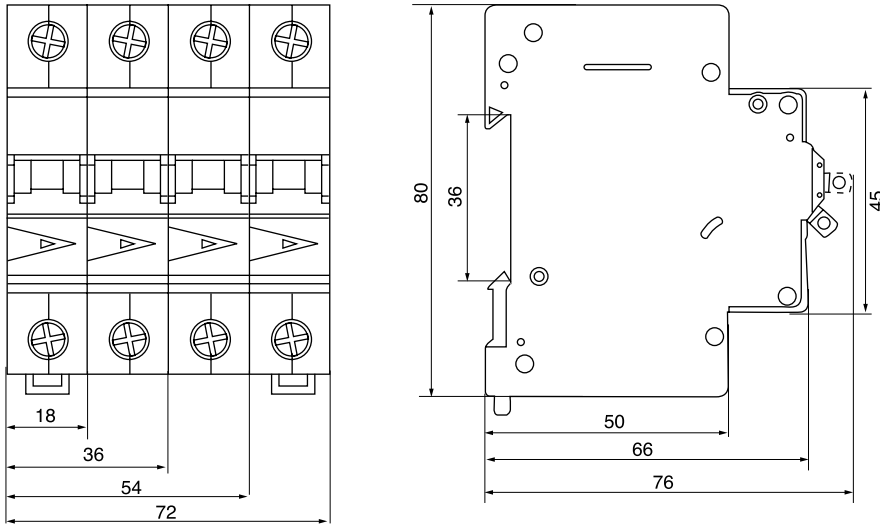
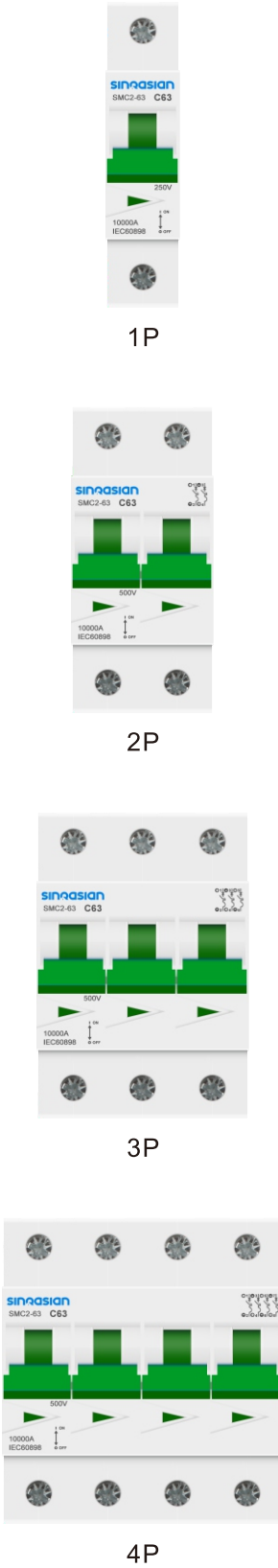


SMC2-63PV Series
DC Din-rail Miniature Circuit Breaker

Specifications

Mode code	SMC2-63PV			
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	10kA			
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



SFPV Series & SPD1-40DC
DC Fuse & Surge Protective Device



SFPV-30/32(L) DC Fuse Link

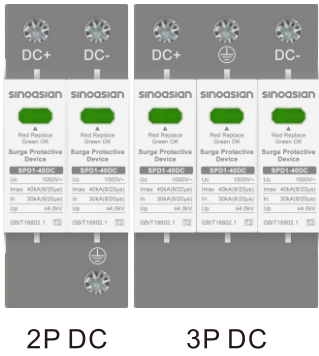
Model (Fast gPV)	Rated voltage	Rated current	Overall dimension/size
SFPV-30	1000VDC	1-30A	Φ10X38
SFPV-32	1500VDC	1-32A	Φ 10X65

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

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



SK1-PV Series
DC Moulded Case Circuit Breaker



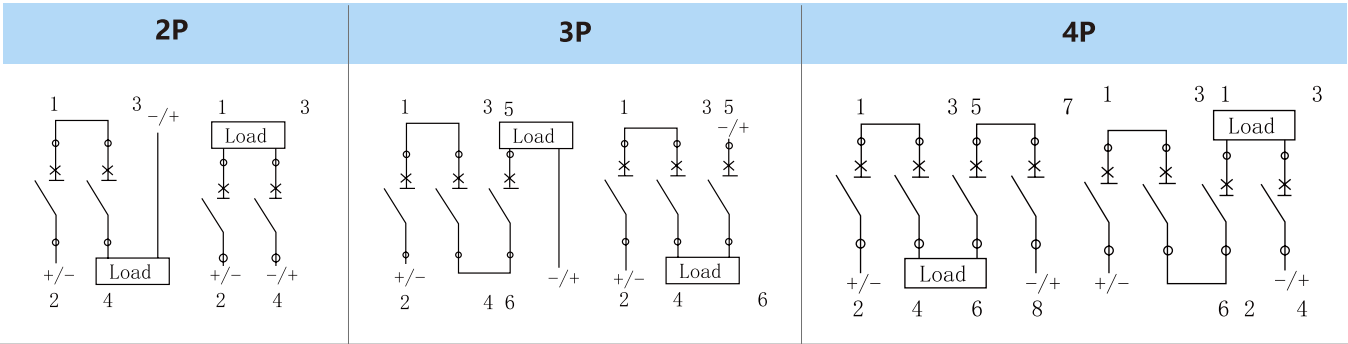
Description

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	550 800	750	1000 1500	750	1000 1500	750	1000 1500	750	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											

Wiring Diagram



SD1/2-PV Series
Plastic DC Combiner Box



SD1-PV



SD2-PV



SD2-PV

Specifications

Model code	SD1/2-1PV	SD1/2-2PV	SD1/2-3PV	SD1/2-4PV
Basic Parameters				
DC input/output string	1 string	2 string	2 string	4 string
Max. DC input voltage	600V		1000V	
Max. DC output current	32A			
Rated AC voltage	220/230/240V AC		380/400/415V AC	
Rated AC current	13.6/16A	27.3/32A	15.2/20A	30.2/40A
Rated frequency	50/60Hz			
Options	Meter/AC fuse/Voltage protector/DC monitoring/AC ELCB			

Enclosure	Enclosure			
Material	PC+ABS			
Anti-UV	Yes			
Grade of protection	IP65			
Collision protection	IK10			
DC input/output port	PG9, 2.5-4mm ²			
AC input/output port	PG9, 2.5-6mm ²	PG9, 2.5-10mm ²	PG9, 2.5-6mm ²	PG9, 2.5-10mm ²

DC Isolated Switch	DC Isolated Switch	
Insulation voltage	600V	1000V
Rated current	32A	
Classification	DC-PV1/DC-PV2	
Executive standard	IEC/EN 60947-3, UL508I	

DC Surge Protection	DC Surge Protection		
Max. working voltage	1000V		
Max. discharge current	40kA		
Executive standard	EN 50539-11 Type 2		

DC Fuse	DC Fuse		
Rated working voltage	1000V		
Rated current	15-32A (Optional)		
Dimension	Φ10X38		

AC Surge Protection	AC Surge Protection	
Rated voltage	230V AC	400V AC
Max. discharge current	40kA	
Executive standard	IEC/EN 61643-11	

AC Circuit Breaker	AC Circuit Breaker			
Pole number	1P/2P		3P/4P	
Rated current	16A	32A	20A	20A
Rated voltage	220/230/240V AC		380/400/415V AC	

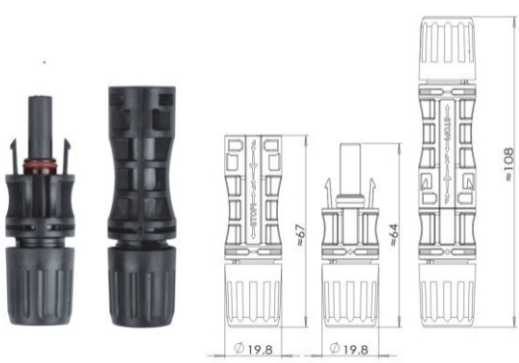
Note: The configuration is customizable.



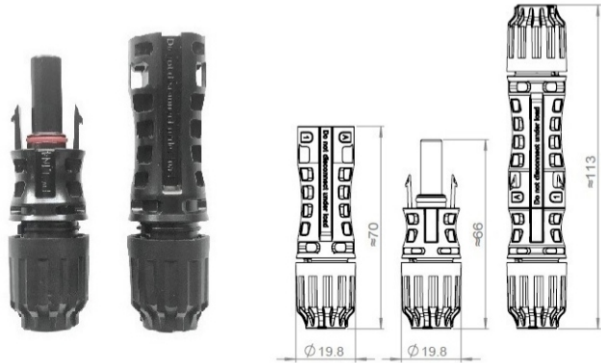
Specifications

Model code	SD3-4/1PV	SD3-6/1PV	SD3-12/1PV	SD3-16/1PV	SD3-24/1PV
Electrical Parameters					
Max. DC voltage	1500V				
Max. input current per channel	4	6	12	16	24
Max. input channel number	63A	100A	160A	200A	400A
Inverter MPPT number	N				
Output channel number	1				
Lightning Protection					
Test category	II pole protection				
Discharge current	20/40kA				
Voltage protection level	3.8kV				
Max. continuous operate voltage	1500V				
Number of poles	3P				
System					
Grade of protection	IP65				
Output switch	DC circuit breaker (Standard) / DC rotary isolating switch (Optional)				
Standard opponents	Waterproof connector, DC fuse, DC SPD				
Optional opponents	Monitoring module, anti-reverse diode				
Box material	Metal				

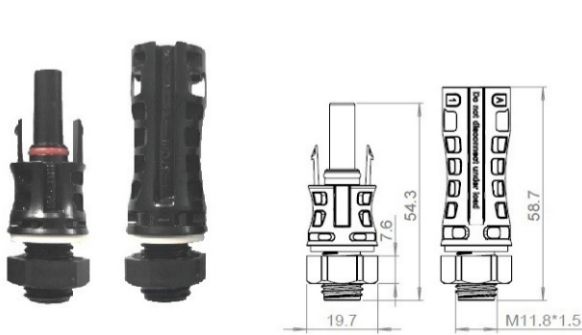
Note: The configuration is customizable.



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



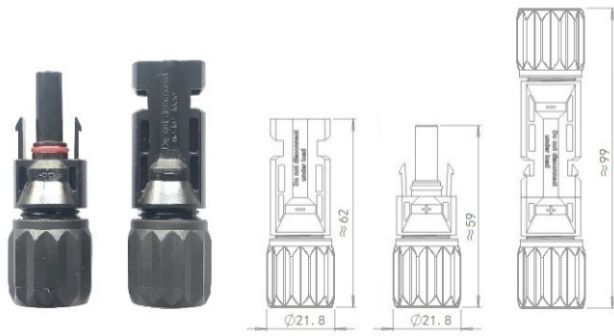
CN4(30A), CN4-1(50A) 1500V DC



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



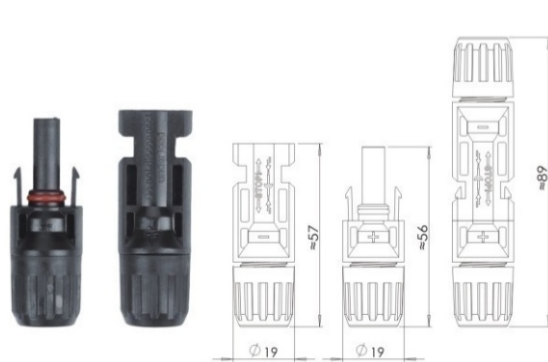
CM4(30A), CM4-1(50A) 1000V DC



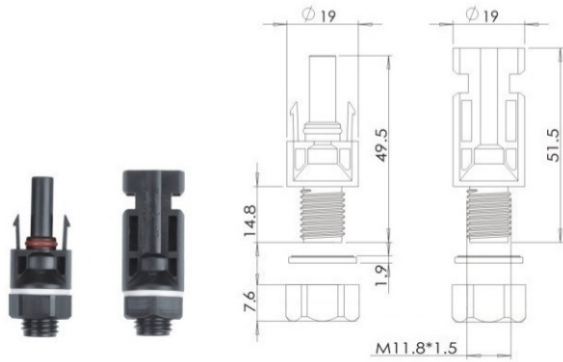
CM4-2(30/50A) 1000V DC



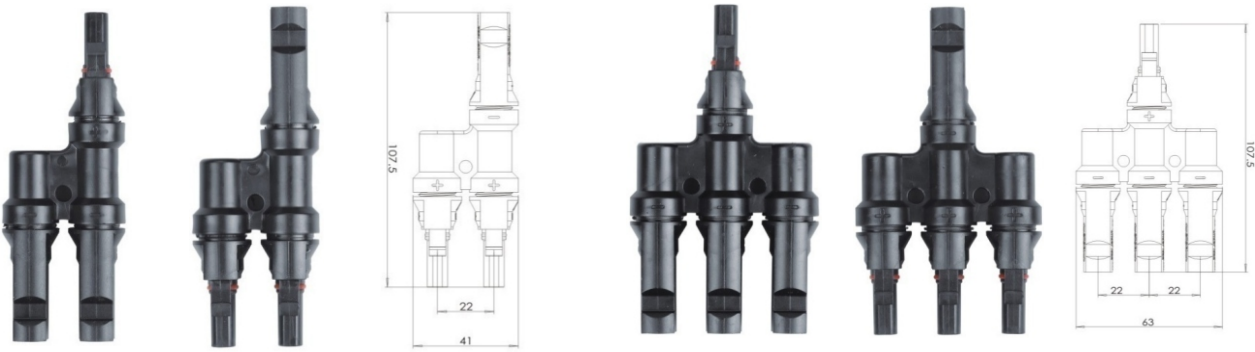
CM2(30A), CM2-1(50A) 1000V DC



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



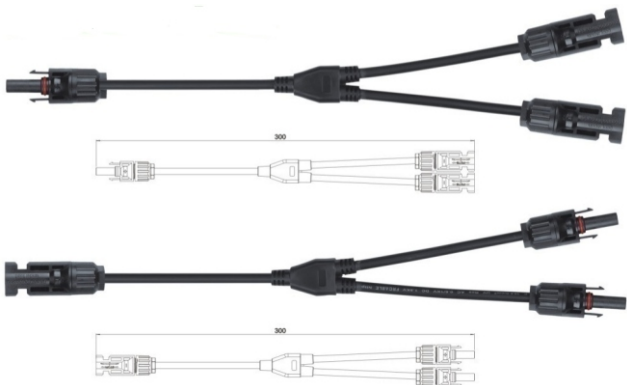
C4-4(50A) 1500V DC



C4-5(50A) 1500V DC



C4-6(50A) 1500V DC



CY2(30A) 4mm 1000V DC



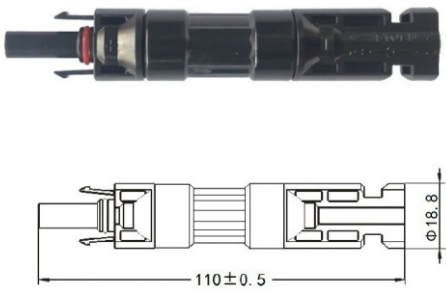
CY2-1(30A) 6mm 1500V DC



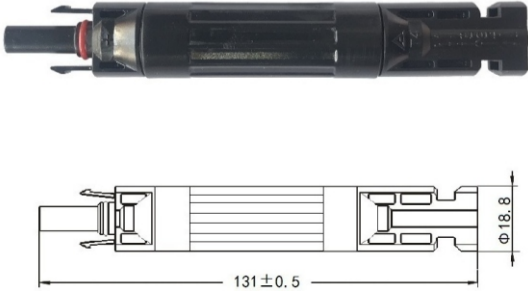
CY3(30A) 4mm 1000V DC



CY4(30A) 4mm 1000V DC



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



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



C006 Spanner



Crimping Tool