PV Solar Dedicated DC Circuit Breaker

Busbar can be set up in advanced, nice looking and practical

SL7 Non-Polarity DC circuit breaker

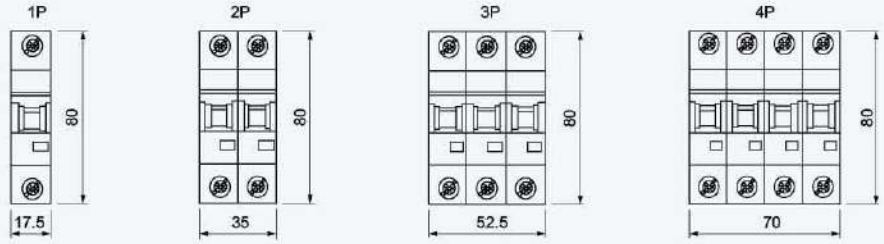
SL7 PV DC breaker supplementary protectors are designed to provide overcurrent protection within appliances or electrical equipment, where a branch circuit protection is already provided or not required. Devices are designed for direct current (DC) control circuit applications.

CE TUV SAA IEC ROHS

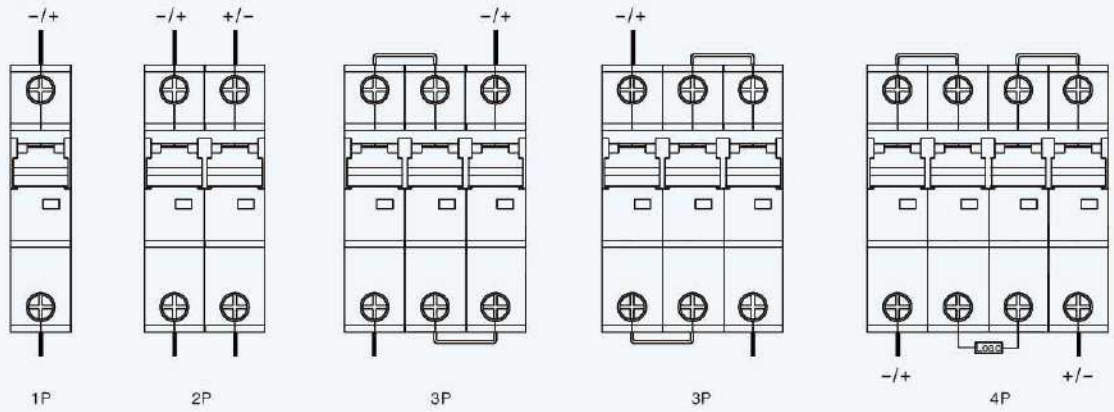
Specifications

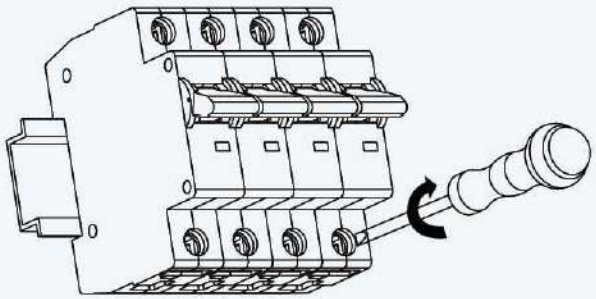
SL7 PV Series Circuit Breaker		SL7-63			
Frame degree rated current (A)		63			
Electrical performance					
Ue Rated operating voltage (V DC)		2P: DC440V DC550V DC800V 4P:DC800V DC1000V DC1200V			
Rated Current In (A)		6-10-16-20-25-32-40-50-63			
Rated insulation voltage Ui (V DC)		2P: 800V 4P: 1200V			
ated Impact voltage Uimp (kV)		4			
Ultimate breaking capacity Icu (kA)		6	6	6	6
Run breaking capacity Ics (%Icu)		75%	75%	75%	75%
Curve type		C			
Trip type		Thermal-magnetic			
MECHANICAL	Actual average value	20000			
	Standard value	8500			
ELECTRIC	Actual average value	2500			
	Standard value	1500			
Control and indication					
Shunt release (SHT)		Option			
Undervoltage release (UNT)					
Auxiliary contact (AX)					
Alarm contact (AL)					
Connection and installation					
Wiring capacity (mm^2)		In≤32A,1~25 mm^2,I≥40A,10~35mm^2			
Ambient temperature (℃)		-20~70			
Altitude		≤2000			
Relative humidity		≤95%			
Pollution Level		3			
Installation Environment		No obvious shock and vibration			
Installation category		Class Ⅲ			
Installation		DIN Standard rail			
Dimensions(W)x(H)x(Deep)	W	17.5	35	52.5	70
	H	80	80	80	80
	Deep	71	71	71	71
Weight (kg)		0.12	0.24	0.36	0.48

Dimensions(mm)



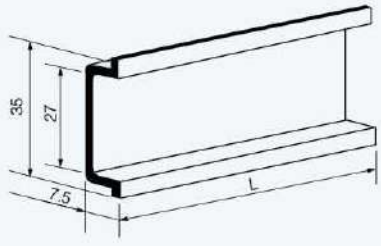
Wiring diagram



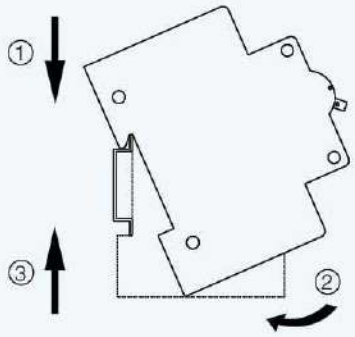


Rated current (A)	Sectional area of wire(mm^2)	Tightening torque of connecting wire(N.m)
1、2、3、4、5、6	1	Both the power side and load side are 2.0
10	1.5	
16、20	2.5	
25	4	
32	6	
40、50	10	
63	16	

Installation diagram



TH35-7.5 Mounting Din-Rail



SL7 Polarity DC circuit breaker

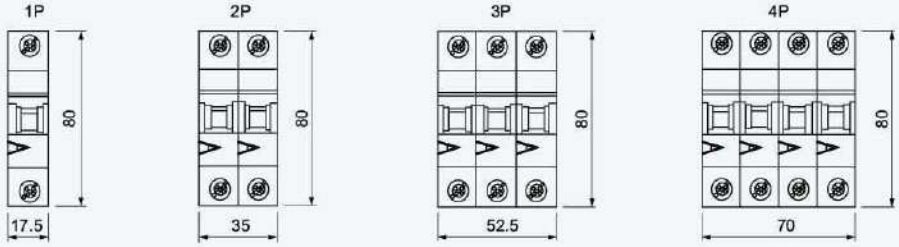
SL7 PV DC breaker supplementary protectors are designed to provide overcurrent protection within appliances or electrical equipment, where a branch circuit protection is already provided or not required. Devices are designed for direct current (DC) control circuit applications.

CE TÜV SAA IEC ROHS

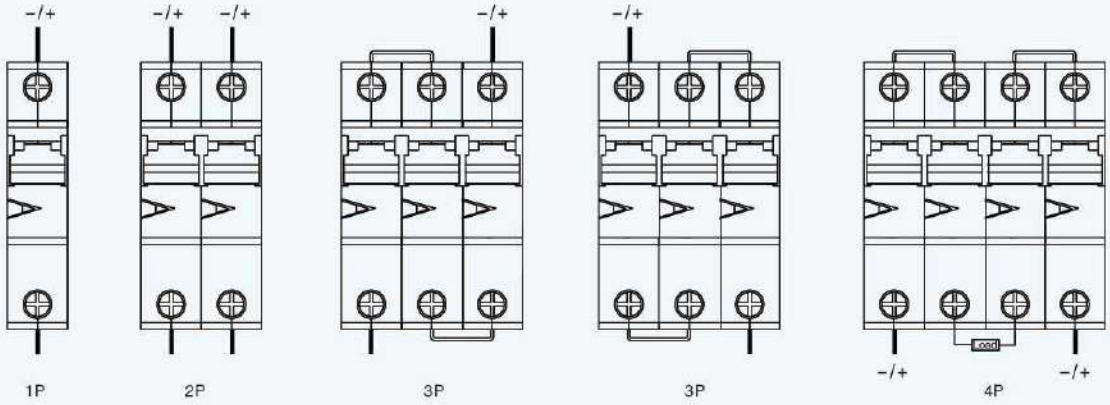
Specifications

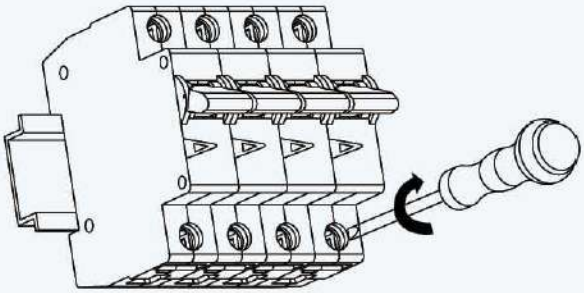
SL7 PV Series Circuit Breaker		SL7-63			
Frame degree rated current (A)		63			
Electrical performance					
Ue Rated operating voltage (V DC)		2P: DC440V DC550V DC800V 4P:DC800V DC1000V DC1200V			
Rated Current In (A)		6-10-16-20-25-32-40-50-63			
Rated insulation voltage Ui (V DC)		2P: 800V 4P: 1200V			
ated Impact voltage Uimp (kV)		4			
Ultimate breaking capacity Icu (kA)		6	6	6	6
Run breaking capacity Ics (%Icu)		75%	75%	75%	75%
Curve type		C			
Trip type		Thermal-magnetic			
MECHANICAL	Actual average value	20000			
	Standard value	8500			
ELECTRIC	Actual average value	2500			
	Standard value	1500			
Control and indication					
Shunt release (SHT)		Option			
Undervoltage release (UNT)					
Auxiliary contact (AX)					
Alarm contact (AL)					
Connection and installation					
Wiring capacity (mm²)		In≤32A,1~25 mm²,I≥40A,10~35mm²			
Ambient temperature (℃)		-20~70			
Altitude		≤2000			
Relative humidity		≤95%			
Pollution Level		3			
Installation Environment		No obvious shock and vibration			
Installation category		Class Ⅲ			
Installation		DIN Standard rail			
Dimensions(W)x(H)x(Deep)	W	17.5	35	52.5	70
	H	80	80	80	80
	Deep	71	71	71	71
Weight (kg)		0.12	0.24	0.36	0.48

Dimensions(mm)



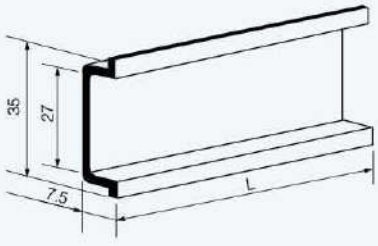
Wiring diagram



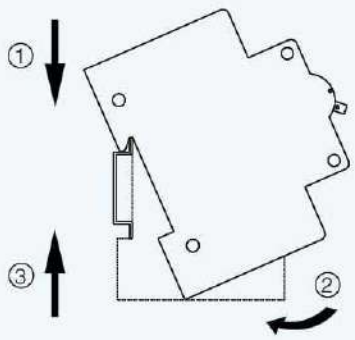


Rated current (A)	Sectional area of wire(mm²)	Tightening torque of connecting wire(N.m)
1、2、3、4、5、6	1	Both the power side and load side are 2.0
10	1.5	
16、20	2.5	
25	4	
32	6	
40、50	10	
63	16	

Installation diagram



TH35-7.5 Mounting Din-Rail



SCB2 Polarity DC circuit breaker

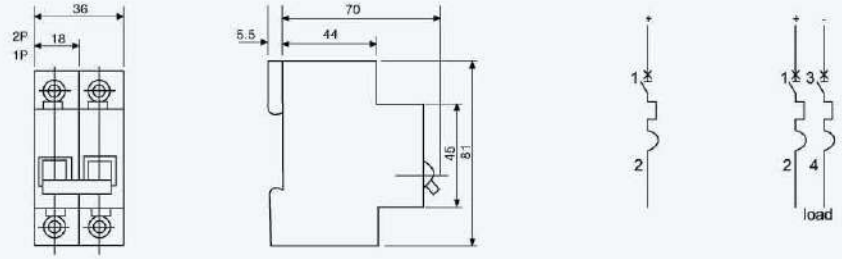
SCB2 PV DC breaker supplementary protectors are designed to provide overcurrent protection within appliances or electrical equipment, where a branch circuit protection is already provided or not required. Devices are designed for direct current (DC) control circuit applications.

CE TÜV SAA IEC ROHS

Specifications

SCB2 PV Series Circuit Breaker		SCB2-63			
Frame degree rated current (A)		63			
Electrical performance					
Ue rated operating voltage (V DC)		DC24V DC48V			
Rated current In (A)		6-10-16-20-25-32-40-50-63			
Rated insulation voltage Ui (V DC)		800V			
ated impact voltage Uimp (kV)		4			
Ultimate breaking capacity Icu (kA)		6	6	6	6
Run breaking capacity Ics (%Icu)		75%	75%	75%	75%
Curve type		C			
Trip type		Thermal-magnetic			
Mechanical	Actual average value	20000			
	Standard value	8500			
Electric	Actual average value	2500			
	Standard value	1500			
Control and indication					
Shunt release (SHT)		Option			
Undervoltage release (UNT)					
Auxiliary contact (AX)					
Alarm contact (AL)					
Connection and installation					
Wiring capacity (mm²)		In≤32A,1~25 mm²,I≥40A,10~35mm²			
Ambient temperature (℃)		-20~70			
Altitude		≤2000			
Relative humidity		≤95%			
Pollution level		3			
Installation environment		No obvious shock and vibration			
Installation category		Class Ⅲ			
Installation		DIN Standard rail			

Dimensions(mm)



PV DC Products

Suntree

SM1-PV DC Breaker Non-Polarity

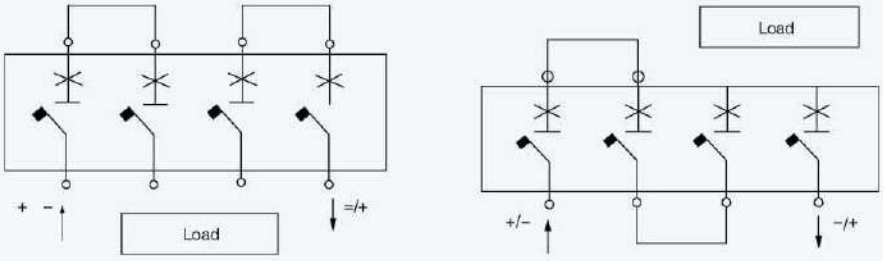
- Reliable protection at high ambient temperatures
- Loadable:string protection up to
  125 size:63A,80A,100A,125A
  250 size:160A,200A,225A,250A
  400 size:320A,400A
- Tested:Ultimate short circuit breaking capacity Icu of 25kA according to IEC IEC60947-2
- Fast: reclosable for minmum standstill times
- Safe: reliable disconnector properties,switching under load
- Approval:Provided on pequest

CE TÜV SAA IEC ROHS

Specifications

Rated Current In (A)	125:63A,80A,100A,125A, 250:160A,200A,225A,250A, 400:320A,400A
Ue Rated operating voltage (VDC)	3P 750V 4P DC1000V
Rated insulation voltage Ui (VDC)	DC1000V
Rated Impact voltage Uimp (kV)	8KV
Ultimate breaking capacity Icu (kV)	25KV
Trip type	Thermal-magnetic
Ambient temperature (℃)	-20℃ ~70℃
Altitude	2000M
Instalation	Fixed,plug-in
Accessories	Auxiliary,Alarm,Shunt release,Manually operated and electric operation

Wiring diagram



- Protection and Isolation wiring
- The load should be ⩽ DC1000V

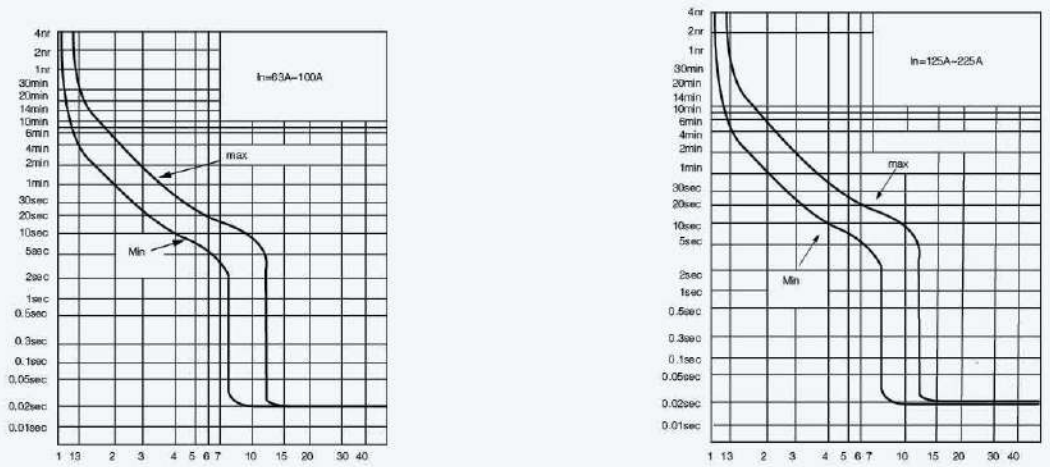
  The connection considered for anetwork in which the middle point of the supply source is earthed

  In this case the breaker protects and isolates the load

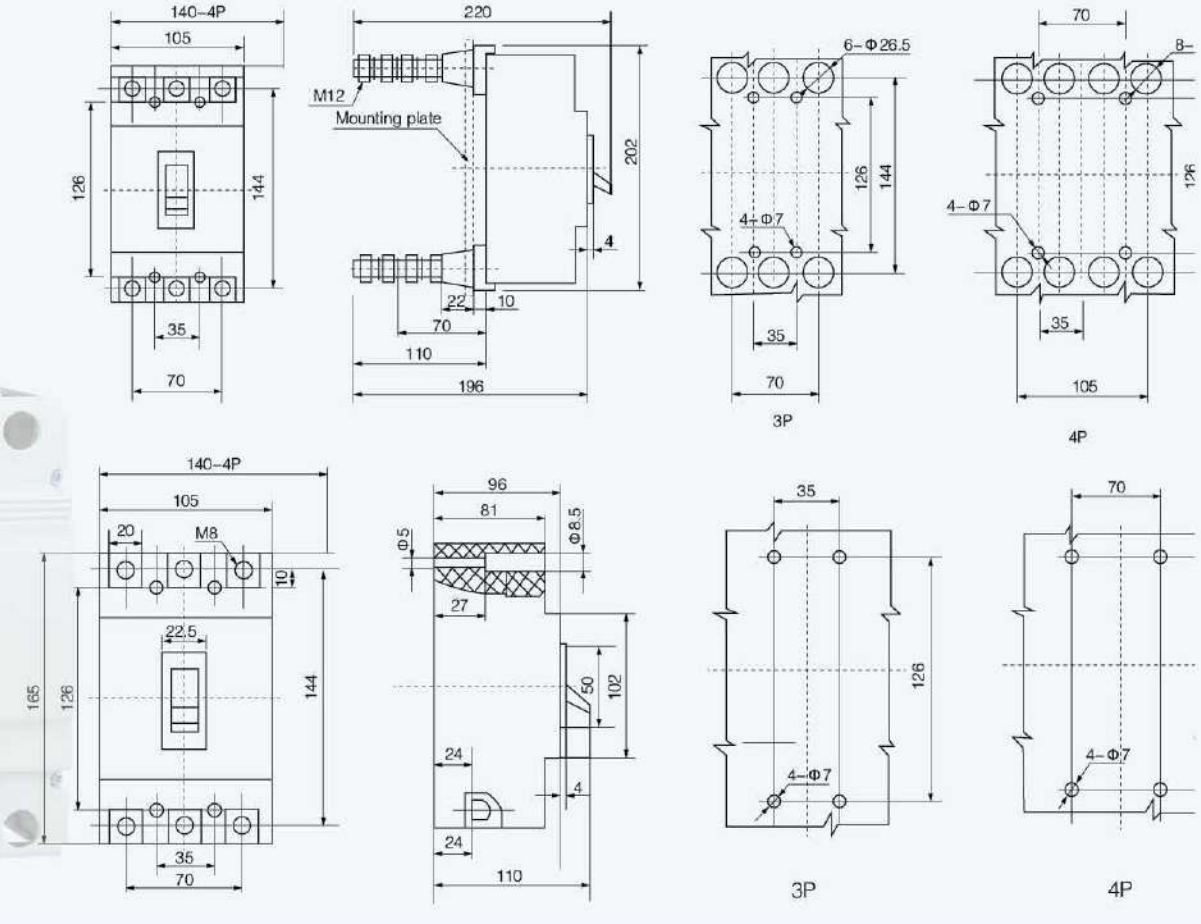
- Protection and Isolation wiring
- The load should be ⩽ DC1000V

  The Negative pole (-) could be earthed,but in both cases the breaker protects and isolates the load

Curve chart



Installation dimensions



*400A installation dimensions please contact manufacturers

*Customizable isolating switch, the model is SM1G-PV