



AC Residual Current Circuit Breaker

ESL1-63 RCCB

Leading Manufacturer Protects Solar Power Safety

Rev1.0 2022/12/06



AC RESIDUAL CURRENT CIRCUIT BREAKER

ESL1-63 RCCB

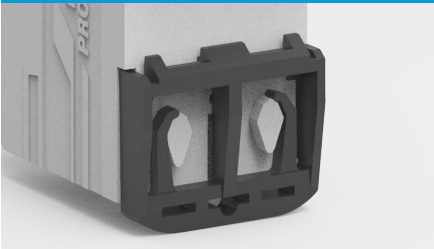
RoHS ENEC S CB SAA APPROVAL CE

- Comply with standard IEC61008-1



Detail features

Din Rail Mounting



Two step snapping mechanism for easy & efficient mounion in 35mm DIN Rail steadily

Test button



Testing product's performance regularly

Technical Data

Electrical Features	
Mode	Electromagnetic / Electronic
Type	A / AC / G / S / A+S
Rated current (In)	25/40/63/80/100A
Poles	2P 4P
Rated voltage (Ue)	2P:240V~ 4P:415V~
Rated frequency	50/60Hz
Rated impulse withstand voltage (Uimp)	4KV

Insulation voltage (Ui)	500V
Rated residual operating current (IΔn)	30.100.300mA
Residual residual making and breaking capacity (IΔm)	1000A
Short-circuit current Inc=IΔc	10kA
SCPD fuse	10000
Electrical and Mechanical life	4000
Operating time	≤0.1s

Select Code

E	S	L	1	-	63	/		/		/	
1	2	3	4	5	6	7	8	9			

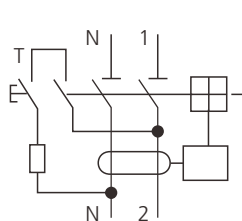
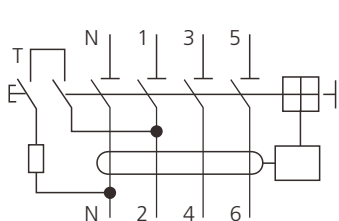
Electrical Features		
Code	Name	Description
1	NCCY brand	E
2	AC	S
3	RCCB	L
4	Series	1 : Series1
5	Frame current	63
6	Rated current	25:25A 40:40A 63:63A 80:80A 100:100A
7	Poles	2:2P 4:4P
8	Type	A / AC / G / S / A+S
9	Mode	E:Electronic M:Electromagnetic

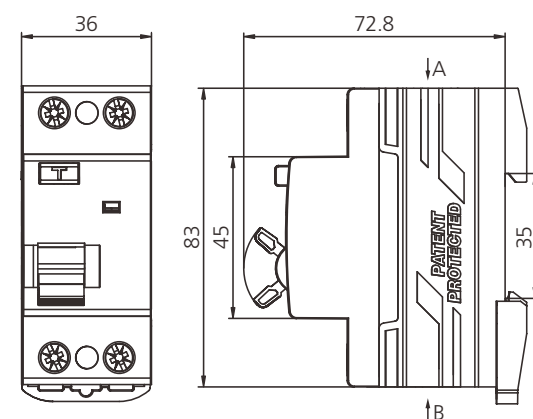
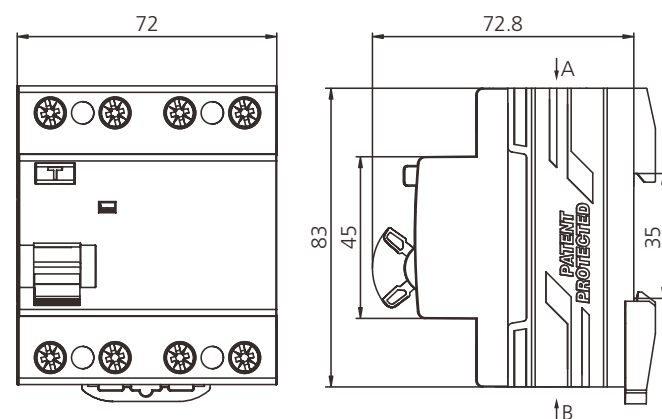
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Standard: IEC61008-1

Overload Current Protection Characteristics			
Type	Tripping current $I\Delta/A$		
AC		$0.5I\Delta_n < I\Delta < I\Delta_n$	
A	Legging Angle	$I\Delta_n < 0.01A$	$I\Delta_n < 0.01A$
	0°	$0.35I\Delta_n < I\Delta < 1.4I\Delta_n$	$0.35I\Delta_n < I\Delta < 2I\Delta_n$
	90°	$0.25I\Delta_n < I\Delta < 1.4I\Delta_n$	$0.25I\Delta_n < I\Delta < 2I\Delta_n$
	135°	$0.11I\Delta_n < I\Delta < 1.4I\Delta_n$	$0.11I\Delta_n < I\Delta < 2I\Delta_n$

Installation	
Fault current indicator window	Yes
Protection degree	IP20
Ambient temperature	-5~+40°C and its average over a period of 24h does not exceed +35°C
Storage temperature	-25~+ 70°C
Terminal connection type	Cable/U-type busbar/Pin -type busbar
Terminal size top / bottom for cable	25mm ²
Tightening torque	2.5 N·m
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	Top and bottom

The wiring diagram	
 2P	 4P

Dimensions(mm)	
 2P	 4P