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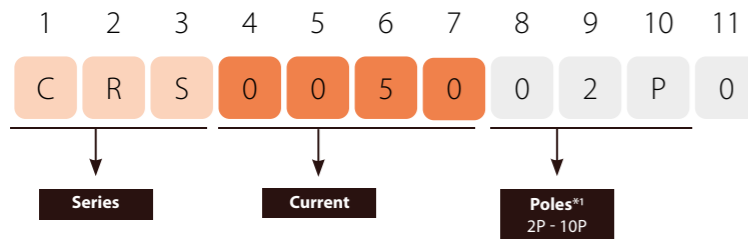


Firefighter Safety Switch

Rapid shutdown switch for solar installations

The perfect solution to protect residential, industrial or commercial photovoltaic systems

► CODE



CRS/1
Strings: 1 or 2

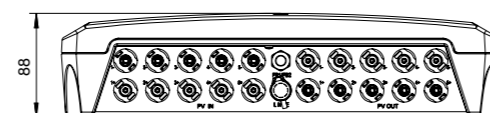
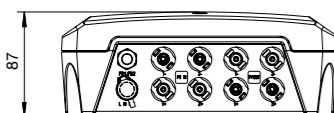
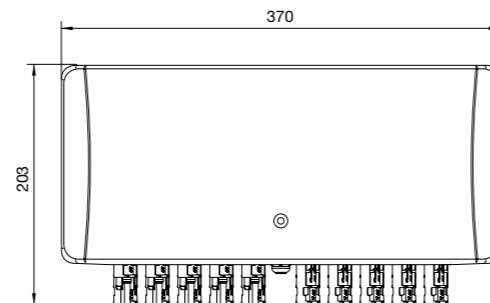
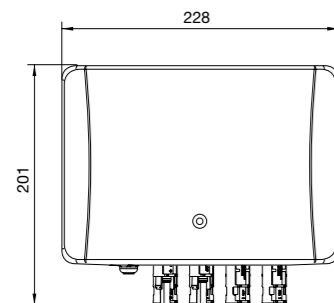


CRS/2
Strings: 3, 4 or 5



- Suitable up to 5 strings / circuits
- Maximum circuit current 55A
- Maximum circuit voltage 1500vdc
- Protection degree IP66
- *1 **Poles:** 2P (02P), 4P (04P), 6P (06P), 8P (08P), 10P (10P)
- Isolation switch is TUV, CE, CB, SAA certificated
- Waterproof vent valve to avoid condensation inside the enclosure
- Built in temperature sensor that allows automatic shut down of the system when reaching 70°C inside the enclosure

► DIMENSIONS



► TECHNICAL DATA

According to EN60947-3, AS/NZS 60947-3

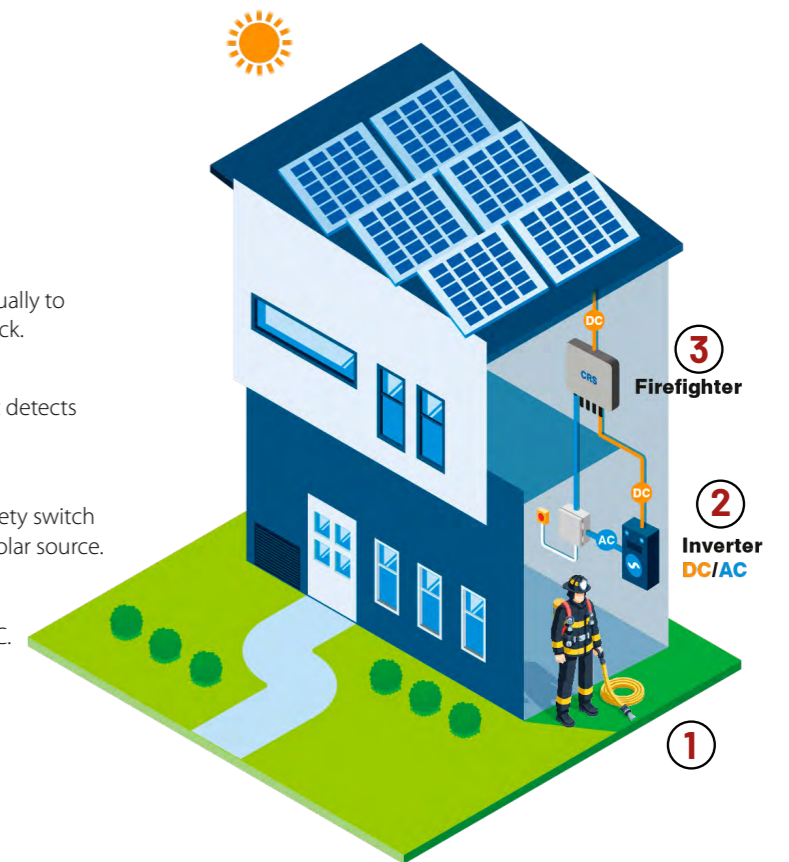
Standard		
String voltage	Vdc	300...1500
String current	A	30-50-55
Working voltage	Vac	100 - 270
Rated voltage	Vac	230
Rated current	mA	30
Starting (loading) current	mA (AVG)	100
Action current (max)	mA	300
Operating temperature	°C	-20°C ... +50°C
Maximum temperature before automatic shutdown	°C	+70°C
Storage temperature	°C	-40°C ... +85°C
Protection rating		IP66
Overvoltage protection category		II
Mechanical life without load	cycles	10000
Number on-load operations (PV1)	cycles	1500

According to IEC60947-3 (ed.3.2):2015, UL508i.
Utilization category DC-PV1

800V	1000V	1500V	Poles	Strings	Code
55A	50A	30A	2	1	CRS005002P0
55A	50A	30A	4	2	CRS005004P0
55A	50A	30A	6	3	CRS005006P0
55A	50A	30A	8	4	CRS005008P0
55A	50A	30A	10	5	CRS005010P0

- 1 The fireman switches off the AC current manually to extinguish the fire without risk of electric shock.
- 2 The inverter will interrupt AC current, when it detects electric circuit loss.
- 3 When the AC power is lost, the Firefighter Safety switch automatically isolates the DC current of the solar source.

Automatic disconnection due to temperature >70° C.



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