

# sicame

## Sicame String Combiner Box

For connecting solar strings to Inverter

### Enclosure:

Material \_\_\_\_\_ Fiberglass Reinforced Polyester (FRP).  
Degree of protection \_\_\_\_\_ NEMA 4X  
Dielectric Strength \_\_\_\_\_ 3800 volts  
Fire hazard \_\_\_\_\_ Polyester at 960 °C  
Flammability \_\_\_\_\_ Self-extinguishing  
Outdoor Life \_\_\_\_\_ Up to 25 years  
High Current Arc Ignition \_\_\_\_\_ No ignition after 200 arcs performed.  
Temperature Resistance \_\_\_\_\_ Suitable for use from -40°C to +105°C

### Switch:

Type \_\_\_\_\_ 2 poles / 4 poles 1500 Vdc  
Rated ambient temperature \_\_\_\_\_ -20...+50 °C  
Rated current \_\_\_\_\_ 250 – 600 A (1500 Vdc)  
Short circuit rating \_\_\_\_\_ 10 kA (1500 Vdc)

### Surge Arrester:

SPD \_\_\_\_\_ Type 2 or Type 1+2  
Max. PV voltage \_\_\_\_\_ 1500 Vdc  
Short circuit current rating \_\_\_\_\_ 10 kA  
Total discharge current \_\_\_\_\_ 40 kA  
Voltage protection level \_\_\_\_\_ ≤ 5 kV  
Response time \_\_\_\_\_ ≤ 25 ns  
Operating temperature range \_\_\_\_\_ -20...+80 °C (-4...+176 °F)

### Accessories:

Pressure compensation device  
Inputs and outputs glands  
Fuses  
Busbar and connections

### Optional:

Lugs and monitoring

### Standards:

UL 1741  
NEC

