

### SOLEXUS SOLAR JUNCTION BOX SERIES 1104GG

Solexus 1104GG series is a standard profile junction box, with a special 8 pole connector. The male part of the 8 pole connector is in the junction box, the female part is integrated underneath the backsheet. This allows the module manufacturer to speed up the production process.

The GG version is designed for glass-glass modules.

The connection between the internal ribbons and the junction box is positioned in an opening of 25 mm Ø in the rear glass plate.

#### JUNCTION BOX - ELECTRICAL CHARACTERISTICS

- Rated voltage: TUV:1000V DC / UL:600V DC
- Working voltage 40 V DC
- Contact resistance:  $\leq 5\text{m}\Omega$
- Current rating: 9,5 A
- Safety Level: class II
- Diodes: 3 Schottky

#### MECHANICAL CHARACTERISTICS

- Locking mechanism to align top and bottom housing
- Ambient temperature range:  $-40^{\circ}\text{C}+85^{\circ}\text{C}$
- Overall dimensions:
  - Length: 98 mm
  - Width: 132 mm
  - Height: 32mm
- Cable type:  $4\text{mm}^2$  (12AWG)
- Cable length: 1 m, other length on request
- Connectors: MC4 compatible / other connectors on request
- Housing material: PPO (Polyphenylene Oxide)
- Housing color: Black
- Flame class: UL94-V0
- Contacts:
  - Material: Copper alloy
  - Plating Contact Area: Tin (Sn) over Nickel (Ni)
- Cable pull-out force: 500 N
- Rear glass thickness 3-5 mm, other on request
- Glass opening 25 mm Ø

#### ENVIRONMENTAL CHARACTERISTICS

- Halogen free, RoHS
- Shell protection degree: IP67
- Lead-free solder

