

SOLEXUS SOLAR JUNCTION BOX SERIES 1104

Solexus 1104 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.

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: 4mm^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

ENVIRONMENTAL CHARACTERISTICS

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

