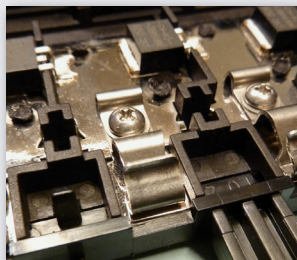


SOLEXUS SOLAR JUNCTION BOX SERIES 1400

Solexus 1400 series is a cost-effective, low height junction box, designed for fast assembly. The junction box is available in a version for soldering ribbons and contacting the ribbons with a powerful clip.

The cable mounting ensures an excellent pull strength and low profile cable entry.

Advanced thermal management with cooling ribs on the housing and heat spreader on the bottom, brings the current rating on 12,5 Amps.



1400 C - Clip Version



1400 S - Solder Version



Heat spreader



Confined sealing

SOLEXUS JUNCTION BOX SERIES 1400

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

- Rated voltage: TUV:1000V DC / UL:600V DC
- Working voltage 40 V DC
- Contact resistance: $\leq 5\text{m } \Omega$
- Current rating: 12,5 A
- Safety Level: class II
- Diodes: 3, Schottky, 45 Volt

MECHANICAL CHARACTERISTICS

- Removable top cover
- 7 point top cover latching
- Ambient temperature range: $-40^{\circ}\text{C} + 85^{\circ}\text{C}$
- Overall dimensions:
 - Length: 132 mm
 - Width: 109,2 mm
 - Height: 27 mm
- Number of ribbons: 4
- Width of ribbons: 8,5 mm max
- Cable type: 4mm² (12AWG) / 6 mm² (10 AWG) optional
- Cable length: 1 m, other length on request
- Connectors (TUV): MC4, NBZH, Tyco, Amphenol, Huber&Suhner, Compel, Lumberg, Eldra
- Connectors (UL): MC4
- Other connectors on request
- Housing material: PPO (Polyphenylene Oxide)
- Housing color: Black
- Heat spreader material: PA/GF, black
- Flame class: UL94-V0
- Contacts:
 - Material: Copper alloy
 - Plating Contact Area: Tin (Sn) over Nickel (Ni)
- Spring material (1400C): Stainless steel
- Ribbon Contact force (1400C): 2000gr min.

ENVIRONMENTAL CHARACTERISTICS

- Halogen free
- RoHS
- Shell protection degree: IP65
- Lead-free solder

CERTIFICATIONS

- DIN V VDE V 0126-5-2008, carried out by TUV Süd, Report nr. BJ4001023901
- UL1703 / QIIO2, filenumber: 343152

