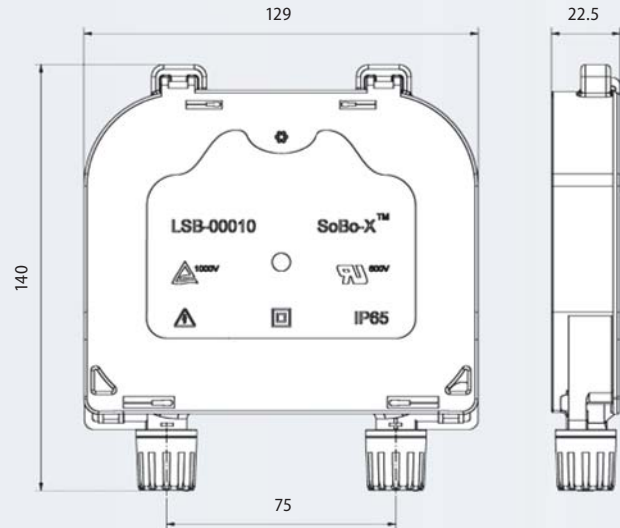


BETA solar SoBo-X Junction Box

LSB-00010



Advantages

- Certified by TÜV and UL
- State of the art Junction Box
- Long service life
- Robust structure
- RoHS compliant
- Low contact resistance
- Easy handling and installation
- Good electrical protection
- Cable assembly by crimping
- Long term UV and Ozone resistance

Technical Data

- Rated voltage: 1000 V (TÜV); 600 V (UL)
- Operating voltage: 40 V
- Rated current: 10 A
- Contact resistance: $\leq 3 \text{ m}\Omega$
- Input resistance: $12 \text{ m}\Omega \pm 2 \text{ m}\Omega$ (2 × 1 m cable)
- Power load: 180 - 300 W
- Diode: 15SQ045
- Dielectric strength: 6.0 kV (AC) TÜV (50 Hz 1 min.)
2.2 kV (DC) UL (1 min.)
- Protection level: IP 65

- Pollution level: Class II
- Flame class: UL 94-V0
- Ambient temperature ranges: -40°C to +85°C (TÜV)
-35°C to +85°C (UL)
- Dimensions: 140 × 129 × 22.5 mm (L × W × H)
- Wire size range: 4 - 6 mm² (TÜV); 12 AWG (UL)
- Flat wire (ribbon) size range: Max. 8 mm
- Connections / ports: 4
- Connector: Acc. to customer request
- Sealing: Side sealing

- Housing / cover: PPOBK
- Terminal / contact: Nickel-plated copper
- Sealing ring: Silicone, red 2.5 mm

Certification

- TÜV Rheinland: Certificate No. R 60039740
- UL: Certificate No. E 342801