



Introducing SOLARLOK Automated Junction Box

Discover the automated side of assembling: Our new SOLARLOK automated junction box is ready to be used in fully automated PV panel production – manual assembly is, of course, also possible. The defined position of both connection cables optimizes safety while the 45° cable exits reduce stress. All in all, every feature of this innovative junction box supports you to increase the reliability of your product and to decrease your process time and costs.



KEY FEATURES

- Protected connector interface
- Clearly defined testing points
- Pre-opened blind mate foil chamber (can be checked by optical system)
- Four-finger design of clamp
- Defined position of both connection cables
- 45° cable exits to reduce stress
- Easy load concept
- Welded diodes and cables
- Ammonia- and salt-spray-tested

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APPLICATIONS

- For terminating the foils on crystalline PV panels
- Ready to be used in fully automated PV panel production process (manual assembly also possible)

MECHANICAL

- Overall junction box size 145 x 70 x 25.8 mm
- Operating temperature: -40 to +115 °C
- Protection level: IP 65
- Can be connected with SOLARLOK Standard Line connectors
- Applicable cable: 4.0 mm²
- Permanently protected connector interface: IP 67

ELECTRICAL

- Isc up to 14 A
- Rated voltage 1,000 V DC
- IEC 61215 ed. 2 (VDE 0126-5) approval pending
- UL approval
- TÜV approval

MATERIALS

- PPE+PS

SPECIFICATIONS

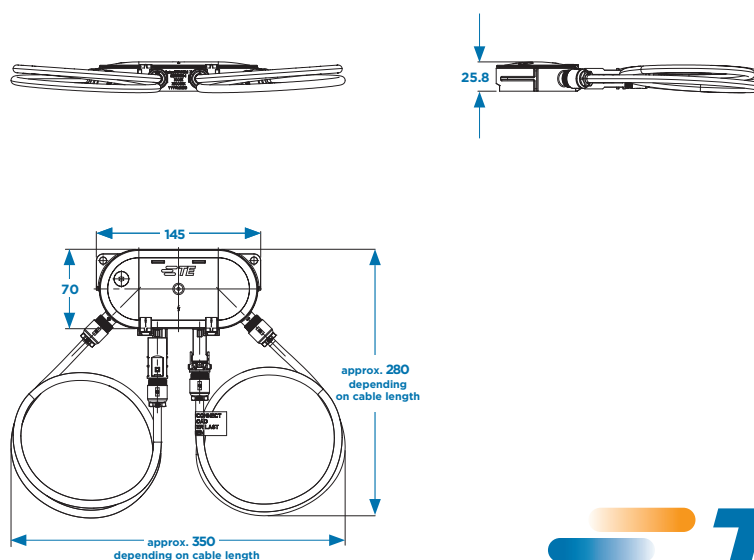
- Application specification # 114-94094-1
- Product specification # 108-94250-1

PRODUCT OFFERING

Part number: **X-2120098-Y**

(Dash numbers vary for cable length and diode configuration)

PRODUCT DIMENSIONS (in mm)



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