

SOLARLOK PV EDGE DECENTRALIZED JUNCTION BOX

TE Connectivity's (TE) SOLARLOK PV Edge decentralized junction box is the first clamping and non-potting junction box in the market using the edge as a relevant position for the mounting without hole drilling. The flaps (available in different shoulder heights) protect the foils and the user so it is a pure IEC & UL approved 1500V solution. Due to a clamping and non-potted design, the installation is extremely quick and no curing time delay of >6hrs applies.



Applications

- Building integrated photovoltaics (BIPV) panels
- Bifacial solar panels
- Half cell solar panel

Electrical

- **Rated Current:** 15A standard version
17A special version
- **Withstanding Voltage:** 1500V DC (UL)
1500V DC (TUV/IEC)

Mechanical

- **Temperature Range:** -40 to +115°C

Specifications

- **Product Specification:** [108-32122](#)
- **Application Specification:** [114-32157](#)

Materials - Cover and Base Housing

- Polyphenyl ethers (PPE)
- Polystyrene (PS)

Standards

- 1500V UL approved per UL3703
- 1500V TUV approved per IEC62790

Benefits

- Quick installation time with a line and no potting necessary
- Reliability is increased with no holes in the panels that can cause damage
- Better heat transfer in case of shading with diode in separate compartment
- Increase power handling by 2A with thermal pad design
- Reduce foil installation time with the lid and base angled (shaped) design
- Available in E-W and N-S rail directions to cover all possible module layouts
- Provides waterproof protection and is rated IP68 (1 m / 24 hours)
- Use of vent for humidity control
- Includes integrated PV4-S interface into the junction box

SOLARLOK PV EDGE DECENTRALIZED JUNCTION BOX

Product Selection Information



Glass-Glass Edge Mount Application with Flap

Foil Orientation	Used Clip	Flap	Fixing Tape	Left Box minus coded (male interface)	Center Box (no interface)	Right Box plus coded (female interface)
North - South	S-Clip	Standard	No	2306314-2	2306314-5	2306314-1
			Yes	1-2306314-2*	1-2306314-5*	1-2306314-1*
	Large	No	2307520-2	2307520-5	2307520-1	
		Yes	1-2307520-2	1-2307520-5	1-2307520-1	
	Omega-Clip	Standard	No	2306316-2	2306316-5	2306316-1
			Yes	1-2306316-2	1-2306316-5	1-2306316-1
Large	No	2307521-2	2307521-5	2307521-1		
Yes	1-2307521-2	1-2307521-5	1-2307521-1			

Traditional Mid-Panel Application

Foil Orientation	Used Clip	Flap	Fixing Tape	Left Box minus coded (male interface)	Center Box (no interface)	Right Box plus coded (female interface)
East - West	S-Clip	No	No	4-2306315-2	4-2306315-5	4-2306315-1
			Yes	5-2306315-2*	5-2306315-5*	5-2306315-1*
	Omega-Clip	No	No	4-2306317-2	4-2306317-5	4-2306317-1
			Yes	5-2306317-2	5-2306317-5	5-2306317-1

*PREFERRED PART NUMBERS

1500V PV4-S cable jumpers (4mm²/AWG12)

Description	Size (mm)	Part Number
PV4-S Male to Female Cable Jumpers	300	2213759-1
PV4-S Male to Female Cable Jumpers	500	2213759-3
PV4-S Male to Female Cable Jumpers	1000	2213759-8



Glass-Glass Edge Mount Application with Flap



Traditional Mid-Panel Application



te.com

© 2018 TE Connectivity. All Rights Reserved. SOLARLOK, TE, TE Connectivity, and the TE connectivity (logo) are trademarks of TE Connectivity. Other logos, product and Company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

1-1773904-6 JN 11/2018

USA: +1 (800) 522-6752
 Canada: +1 (905) 475-6222
 Mexico: +52 (0) 55-1106-0800
 Latin/S. America: +54 (0) 11-4733-2200
 Germany: +49 (0) 6251-133-1999
 UK: +44 (0) 800-267666
 France: +33 (0) 1-3420-8686
 The Netherlands: +31 (0) 73-6246-999
 China: +86 (0) 400-820-6015