

# 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	<a href="#">2306314-2</a>	<a href="#">2306314-5</a>	<a href="#">2306314-1</a>
			Yes	<a href="#">1-2306314-2*</a>	<a href="#">1-2306314-5*</a>	<a href="#">1-2306314-1*</a>
	Large	No	<a href="#">2307520-2</a>	<a href="#">2307520-5</a>	<a href="#">2307520-1</a>	
		Yes	<a href="#">1-2307520-2</a>	<a href="#">1-2307520-5</a>	<a href="#">1-2307520-1</a>	
	Omega-Clip	Standard	No	<a href="#">2306316-2</a>	<a href="#">2306316-5</a>	<a href="#">2306316-1</a>
			Yes	<a href="#">1-2306316-2</a>	<a href="#">1-2306316-5</a>	<a href="#">1-2306316-1</a>
Large	No	<a href="#">2307521-2</a>	<a href="#">2307521-5</a>	<a href="#">2307521-1</a>		
Yes	<a href="#">1-2307521-2</a>	<a href="#">1-2307521-5</a>	<a href="#">1-2307521-1</a>			

### 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	<a href="#">4-2306315-2</a>	<a href="#">4-2306315-5</a>	<a href="#">4-2306315-1</a>
			Yes	<a href="#">5-2306315-2*</a>	<a href="#">5-2306315-5*</a>	<a href="#">5-2306315-1*</a>
	Omega-Clip	No	No	<a href="#">4-2306317-2</a>	<a href="#">4-2306317-5</a>	<a href="#">4-2306317-1</a>
			Yes	<a href="#">5-2306317-2</a>	<a href="#">5-2306317-5</a>	<a href="#">5-2306317-1</a>

\*PREFERRED PART NUMBERS

### 1500V PV4-S cable jumpers (4mm<sup>2</sup>/AWG12)

Description	Size (mm)	Part Number
PV4-S Male to Female Cable Jumpers	300	<a href="#">2213759-1</a>
PV4-S Male to Female Cable Jumpers	500	<a href="#">2213759-3</a>
PV4-S Male to Female Cable Jumpers	1000	<a href="#">2213759-8</a>



### 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

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9