

# SOLARLOK PV4-S CONNECTOR 1500V DC

The SOLARLOK PV4-S connector is an upgrade of the industry leading SOLARLOK PV4 connector to meet a minimum 1500V rating with IP68 protection. The SOLARLOK PV4-S connector has been tested to assure reliable, and safe connections of solar arrays. The connectors use industry standard crimp tooling that is readily available and used by installers today.



## Applications

- Solar panels
- Inverters
- Micro inverters
- DC optimizers

## Electrical

- UL 15 A and TÜV 30 A: 2.5 mm<sup>2</sup> / 14 AWG
- UL 20 A and TÜV 40 A: 4.0 mm<sup>2</sup> / 12 AWG
- UL 30 A and TÜV 45 A: 6.0 mm<sup>2</sup> / 10 AWG (at 85 °C)
- Rated Voltage: 1000V DC / 1500V DC (UL)  
1000V DC / 1500V DC (TUV)
- Contact Resistance: 0.35mΩ

## Mechanical

- 63mm x 24.5mm (Male)
- 59.5mm x 18.7mm (Female)
- Protection Degree: IP68 (1m/24 hours)

## Specifications

- Product Specification: 108-137077
- Application Specification: 114-137077
- PV4-PV4-S Intermateability: 501-137294
- Packaging specification: 107-137077
- Qualification Test Report: 501-137077

## Materials

- Housing: PPE
- Contact: Tinned copper

## Standards

- 1000V DC / 1500V DC UL approved - UL6703
- 1000V DC / 1500V DC TUV approved - IEC 62852
- 1000V DC / 1500V DC JET pending

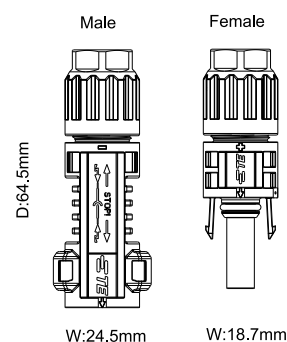
## Benefits

- Low contact resistance for less power lost
- Water proof protection
- Exceed 3 times the IEC standard aging tests
- Use 100% virgin raw material (no recycle)

## Product Selection Information

Part Number	Description
<a href="#">2270024-1</a>	Pin connector
<a href="#">2270025-1</a>	Socket connector

## Dimensions



Product Selection Information

PV4-S Kits for 4 mm<sup>2</sup> - 6 mm<sup>2</sup> Contacts (AWG 12-10)

Type	Part Number	Description	Package Quantity
PREFERRED CHOICE	<a href="#">2270024-1</a>	PV4-S CONNECTOR KIT PIN-MALE (with pin-contact)	1,000 PIECES
PREFERRED CHOICE	<a href="#">2270025-1</a>	PV4-S CONNECTOR KIT SOCKET-FEMALE (with socket-contact)	1,000 PIECES
STANDARD	<a href="#">1-2270024-1</a>	PV4-S CONNECTOR KIT PIN-MALE (with pin-contact)	2,000 PIECES
STANDARD	<a href="#">1-2270025-1</a>	PV4-S CONNECTOR KIT SOCKET-FEMALE (with socket-contact)	2,000 PIECES
STANDARD	<a href="#">2-2270024-1</a>	PV4-S CONNECTOR KIT PIN-MALE (with pin-contact)	100 PIECES
STANDARD	<a href="#">2-2270025-1</a>	PV4-S CONNECTOR KIT SOCKET-FEMALE (with socket-contact)	100 PIECES

PV4-S Kits for 2.5 mm<sup>2</sup> Contacts (AWG 14)

Type	Part Number	Description	Package Quantity
PREFERRED CHOICE	<a href="#">2270024-3</a>	PV4-S CONNECTOR KIT PIN-MALE (with pin-contact)	1,000 PIECES
PREFERRED CHOICE	<a href="#">2270025-3</a>	PV4-S CONNECTOR KIT SOCKET-FEMALE (with socket-contact)	1,000 PIECES
STANDARD	<a href="#">1-2270024-3</a>	PV4-S CONNECTOR KIT PIN-MALE (with pin-contact)	2,000 PIECES
STANDARD	<a href="#">1-2270025-3</a>	PV4-S CONNECTOR KIT SOCKET-FEMALE (with socket-contact)	2,000 PIECES
STANDARD	<a href="#">2-2270024-3</a>	PV4-S CONNECTOR KIT PIN-MALE (with pin-contact)	100 PIECES
STANDARD	<a href="#">2-2270025-3</a>	PV4-S CONNECTOR KIT SOCKET-FEMALE (with socket-contact)	100 PIECES

PV4-S - Housing Components

Type	Part Number	Description	Package Quantity
PREFERRED CHOICE	<a href="#">2270022-1</a>	PV4-S CONNECTOR HOUSING PIN-MALE (without pin-contact)	1,000 PIECES
PREFERRED CHOICE	<a href="#">2270023-1</a>	PV4-S CONNECTOR HOUSING SOCKET-FEMALE (without socket-contact)	1,000 PIECES
STANDARD	<a href="#">2-2270022-1</a>	PV4-S CONNECTOR HOUSING PIN-MALE (without pin-contact)	100 PIECES
STANDARD	<a href="#">2-2270023-1</a>	PV4-S CONNECTOR HOUSING SOCKET-FEMALE (without socket-contact)	100 PIECES

PV4-S - 4 mm<sup>2</sup> - 6 mm<sup>2</sup> Contacts (AWG 12-10)

Type	Part Number	Description	Package Type - Quantity
PREFERRED CHOICE	<a href="#">2270251-2</a>	PIN-MALE CONTACT	REEL OF 2,000 PIECES
STANDARD	<a href="#">2270251-3</a>	PIN-MALE CONTACT	1,000 LOOSE PIECES
STANDARD	<a href="#">2270251-4</a>	PIN-MALE CONTACT	100 LOOSE PIECES
PREFERRED CHOICE	<a href="#">2270226-2</a>	SOCKET-FEMALE CONTACT	REEL OF 2,000 PCS
STANDARD	<a href="#">2270226-3</a>	SOCKET-FEMALE CONTACT	1,000 LOOSE PIECES
STANDARD	<a href="#">2270226-4</a>	SOCKET-FEMALE CONTACT	100 LOOSE PIECES

PV4-S -2.5 mm<sup>2</sup> Contacts (AWG 14)

Type	Part Number	Description	Package Type - Quantity
PREFERRED CHOICE	<a href="#">2270253-2</a>	PIN-MALE CONTACT	REEL OF 2,000 PIECES
STANDARD	<a href="#">2270253-3</a>	PIN-MALE CONTACT	1,000 LOOSE PIECES
STANDARD	<a href="#">2270253-4</a>	PIN-MALE CONTACT	100 LOOSE PIECES
PREFERRED CHOICE	<a href="#">2270252-2</a>	SOCKET-FEMALE CONTACT	REEL OF 2,000 PCS
STANDARD	<a href="#">2270252-3</a>	SOCKET-FEMALE CONTACT	1,000 LOOSE PIECES
STANDARD	<a href="#">2270252-4</a>	SOCKET-FEMALE CONTACT	100 LOOSE PIECES

PV4-S series are applicable for outer-cable diameters from 5.5 mm to 7.8 mm

Accessories



Plastic tool for disconnect PV4  
PN [1971903-1](#)



Plastic tool for disconnect PV4 & PM style  
PN [2232232-1](#)



Hand Crimping Tool 4.0 mm - 6.0 mm<sup>2</sup>  
PN [6-1579014-8](#)  
Hand Crimping Tool 2.5 mm - 4.0 mm<sup>2</sup>  
PN [6-1579014-9](#)



Cable Stripper  
PN [4-1579002-2](#)



Dust Cap for Male housing  
PN [2232228-1](#)



Dust Cap for Female housing  
PN [2232227-1](#)

te.com

© 2018 TE Connectivity. All Rights Reserved. SOLARLOK, TE, TE Connectivity, and the TE connectivity (logo) are trademarks of the 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.

1-1773877-2 JN 04/2018

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