

Product change notification (PCN)

Title / short description	SUNCLIX - extension of approval according to 2 PfG 2925/01.23 for 2000 V system voltage
Affected article category	Connector
Change category	Function
Change number	CAB250031-01
Reason for PCN/PDN Revision	

Purpose/objective of the change

Approved ability for usage in PV-systems with system voltage of 2000V

Detailed description of the change

The test specification of TÜV Rheinland 2 PfG 2925/01.23 creates the basis for higher voltage levels in photovoltaic systems and enables a significant reduction in installation costs, especially for large power stations. The higher voltages reduce the need for cables, connectors and generator connection boxes, which lowers the overall costs of the systems. The updated test specification defines additional safety requirements for connectors in the range above 1500 V DC. The SUNCLIX connectors meet these requirements due to the basic insulation of class 0. Operation at 2000 V is only permitted in areas with restricted access. For use in a 2000 V environment, a supplementary 2000 V PV warning label is also mandatory and must be affixed in the immediate vicinity of the connector.

Mandatory warning label:

For use at 2000 V, the attachment of an additional PV warning label 2000V is mandatory. This can be ordered separately and must be attached near the connector.

- PV-WML-FLAG 10 (25x15)A6 – 1868914

Effects on documentation and instruction manuals:

The relevant instruction manuals and technical documents have been adapted accordingly, e.g. for:

- SUNCLIX field connectors spring connection 2.5-6mm²
- SUNCLIX field connectors spring connection 6-16mm²
- SUNCLIX field connectors crimp connection 2.5-6mm²
- SUNCLIX device connectors (panel feed-throughs) 2.5-6mm²

Identifying characteristics

Extended technical specification and documentation for applications with 2000V system voltage at datasheet and instruction manual

Start of Production (SOP)	-	Last Time Delivery (LTD)	-
Effective date (EOP)	2026-04-01	End of Service (EOSR)	-
End of Sales (EOS)	-		

Short-term change (< 6 months) or discontinuation (< 12 months), due to:

- | | | |
|---|--|--|
| ☐ Software / Firmware Bugfix | ☐ Short-term delivery stop by supplier | ☐ Short-term recall by supplier |
| ☐ Force majeure | ☒ Product improvement with customer benefits | |
| ☐ Others | | |

Attachments

- Material_list.csv
- PCN-CAB250031-01_EN

Material list

Item no.	Item Type	Hardware old	Firmware new	Item no.	Substitute item Type
1020775	PV-C4M-S 2,5-6 (-)	04	04		
1020776	PV-C4F-S 2,5-6 (+)	04	04		
1284632	PV-C4M-S 6-16 (-)	03	03		
1284634	PV-C4F-S 6-16 (+)	03	03		
1050770	PV-C1M-C-HSG	00	00		
1050771	PV-C1F-C-HSG	00	00		
1196766	PV-C1M-C-UNLOCK-HSG	00	00		
1133364	PV-FT-C4F-HSG	01	01		
1133365	PV-FT-C4M-HSG	00	00		

Item no.;Type;old;new;Substitute item;Replacement product designation;eCl@ss 13.0;
1020775;PV-C4M-S 2
1020776;PV-C4F-S 2
1284632;PV-C4M-S 6-16 (-);03;03;;;27440107;
1284634;PV-C4F-S 6-16 (+);03;03;;;27440107;
1050770;PV-C1M-C-HSG;00;00;;;27440107;
1050771;PV-C1F-C-HSG;00;00;;;27440107;
1196766;PV-C1M-C-UNLOCK-HSG;00;00;;;27440107;
1133364;PV-FT-C4F-HSG;01;01;;;27440107;
1133365;PV-FT-C4M-HSG;00;00;;;27440107;

5-6 (-);04;04;;;27440107;

5-6 (+);04;04;;;27440107;

PCN/PDN Number	Customer Number	Company Name	Street
CAB250031-01	401641	TTI, INC.	2441 NORTHEAST PKWY

Postcode/Zip Code	City	Phoenix Contact Item-Nr. (changed/discontinued article)
76106	FORT WORTH	1020776

Phoenix Contact Item Designation (changed/discontinued article)

PV-C4F-S 2,5-6 (+)

Report Date Substitute Item

28.08.2026

Replacement Product Designation