

SOLAR INSULATION PIERCING CONNECTOR

WITH POWERGEL-FILLED COVER FOR PV CABLES UP TO 1.5 kV DC

KEY FEATURES

- cUL certified product
- Extremely low leakage current
- Suitable for outdoor applications
- No insulation cutback required
- One-piece connector block with shear bolt technology, halogen-free, and UV-resistant
- Flame retardant - V0 classification
- Use as a tap connector on a mid-span or on a dead-end application
- Adjusts to connection spacing on-site with convenient flexibility

TE Connectivity's (TE) Solar Insulation Piercing Connector with a Powergel-filled cover (GS-IPC) offers protection, insulation and high quality sealing for fast, easy and safe cable connections of PV cables ranging from #10 to 500 Kcmil (6 to 240mm²). Size transitions or transitions from copper to aluminum are also possible.

The GS-IPC enclosure, with its revolutionary Powergel sealant, protects and seals the connection quickly and easily, saving both time and effort. Our Powergel sealant is rated to 90°C continuous temperature and is halogen-free with an extended shelf life.

No insulation cutback is required thanks to the insulation piercing technology (IPC). Shear bolts always guarantee the optimum contact force without the use of a torque wrench or other special tools.

The housing is UV-stable and impact-resistant, and comes with a robust hinge and latching mechanism which help to protect against humidity and water.

These connectors have been successfully tested to UL 486A-486B, CSA C22.2 No. 65-03 and applicable UL6703 tests as listed by Underwriters Laboratories Inc., File No. E13288.

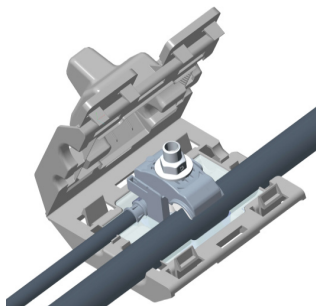
Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Solar Insulation Piercing Connector (GS-IPC)



TAPPING CONNECTOR FOR MID-SPAN APPLICATION

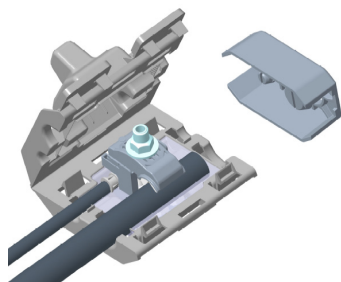
Description	Part Number	Application Range Main Side AWG (mm ²)	Application Range Tap Side AWG (mm ²)	Max Current Load	Weight lbs (gr)
GS-IPC-4U	2182993-1	#8 to #4 AWG (10 mm ² to 25 mm ²)	#12 to #10 AWG (4 mm ² to 6 mm ²)	63 Amps	0.5 lbs (227 gr)
GS-IPC-500U	2182994-1	350 and 500 kcmil (185 mm ² and 240 mm ²)	#10 to #6 AWG (6 mm ² to 16 mm ²)	168 Amps	1.15 lbs (522 gr)



GS-IPC-500U

DEAD-END CONNECTOR FOR END SEAL APPLICATION

Description	Part Number	Application Range Main Side AWG (mm ²)	Application Range Tap Side AWG (mm ²)	Max Current Load	Weight lbs (gr)
GS-IPC-4U-ES	2182993-2	#8 to #4 AWG (10 mm ² to 25 mm ²)	#12 to #10 AWG (4 mm ² to 6 mm ²)	63 Amps	0.6 lbs (273 gr)
GS-IPC-500U-ES	2182994-2	350 and 500 kcmil (185 mm ² and 240 mm ²)	#10 to #6 AWG (6 mm ² to 16 mm ²)	168 Amps	1.31 lbs (590 gr)



GS-IPC-500U-ES



WIRE CONNECTOR

te.com/energy

© 2020 TE Connectivity. All Rights Reserved. EPP-CF-DDS-0037-GS-IPC-08/20-EN

TE Connectivity, TE connectivity (logo), EVERY CONNECTION COUNTS, AMP, AMPACT, Axicom, Bowthorpe EMP, Crompton Instruments, Raychem, SIMEL, UTILUX are trademarks. 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 brochure 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.

FOR MORE INFORMATION: TE Technical Support Centers

USA:	+ 1 800 327 6996
Brazil:	+ 55 11-2103-6023
Mexico:	+ 52 55-1106-0800
South America:	+ 57 1-319-8962
Benelux:	+ 32 16-508-695
France:	+ 33 (0) 38-058-3210
Germany/Switzerland:	+ 49 (0) 89-608-9903
Italy:	+ 39 335-834-3453
Middle East/Africa:	+ 971 4-211-7020
Russia:	+ 7 495-790-790-2-200
Spain/Portugal:	+ 34 912-681-885
UK:	+ 44 08708-707-500
China:	+ 86 400-820-6015