



SOLAR INSULATION PIERCING CONNECTORS P2S 240 FOR PV CABLES UP TO 1.5 kV DC

KEY FEATURES

- Range taking
- Waterproof (6.5 kV under 30 cm for 5 minutes)
- Protection degree: IP68
- Glow wire test at 650°C
- Installation temperature -10°C to +55°C
- Flame retardant property: HB according to UL94
- Extremely low leakage current
- Adjusts to connection spacing on-site with convenient flexibility

TE Connectivity's (TE) P2S 240 Solar Insulation Piercing Connectors offer protection, insulation and high-quality sealing for fast, easy and safe cable connections of PV cables between operating temperature ranges from -55°C to +55°C. Metallic blades surrounded with a sealing compound ensure electrical contact for PV cables up to 1.5 kV DC. A single torque control nut draws the two parts of the connector together and shears off when the teeth have pierced the insulation and made contact with the conductor strands. 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. P2S 40 is made with UV-stable and impact-resistant plastic raw materials. Connection made by the P2S 240 on solar cables is totally watertight thanks to the elastomeric seals.

The P2S 240 is designed to connect solar cables below:

- Main side: Double insulated stranded (class II) Aluminium cables from 70 to 240 mm²
- Tap side: Double insulated flexible (class V) Copper cables from 6 to 35 mm²

P2S 240 has been successfully tested according to EN 50483-4 and according to some specific tests defined in IEC 62852.

In order to meet protection class II, a Powergel box can be added over the IPC (GIPC-500). The GIPC-500 enclosure, with Powergel sealant, protects and seals the connection quickly and easily, saving both time and effort. The Powergel sealant is rated to 90°C continuous temperature and is halogen-free with an extended shelf life.

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 P2S 240

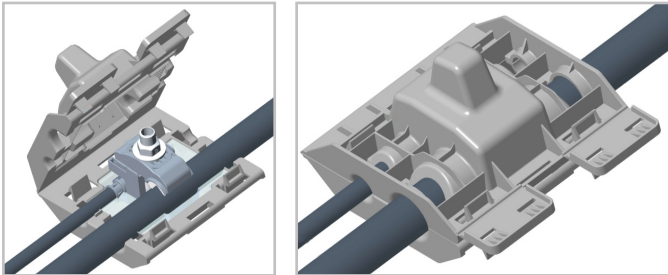


PRODUCT SELECTION INFORMATION

Product Description	TCPN	Application Range Main Side*	Application Range Tap Side**	Nominal Breaking Torque	Max Current Load	Weight
P2S 240	2832476-1	70-240 mm ²	6-35 mm ²	11 N.m	218 Amps	173 gm

*Double insulated stranded (class 2) Aluminium cables

**Double insulated flexible (class 5) Copper cables



The Powergel enclosure GIPC-500 can be added over the IPC to provide extra sealing and protection against water and dust ingress.

Learn more: [TE.com/energy](https://www.te-connectivity.com/energy)

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