

## PRESSEINFORMATION

### Connector solutions for photovoltaic roof tiles

Introduced at productronica 2023 in Munich, WERNER WIRTH GmbH provides customised connection systems for innovative photovoltaic roof tiles. These solutions address common weaknesses during system installation, aiming to significantly reduce complexity, vulnerability to errors, and assembly time in the installation of photovoltaic roof tiles while enhancing the overall system efficiency.

**Hamburg, January 9<sup>th</sup> 2024** – While developing this photovoltaic solution, WERNER WIRTH focused on three key points: assembly, the electrical performance of the cable harness, and production friendliness, including customisation options.

The installation of photovoltaic roof tiles is renowned for its complexity and high susceptibility to errors, with the interdependence of various trades further complicating the installation challenge. The connector solution from the Hamburg-based family business tackles these challenges with an innovative approach: the introduction of a Plug-and-Play system that facilitates a simple, adaptable, efficient and secure assembly.

The engineers at WERNER WIRTH achieved a significant enhancement in the electrical performance of the cable harness by optimizing resistance at numerous connection points. This is made possible through a special connection technology that enables a more efficient energy transfer from the solar cell to the socket. The uniform protection of each tile and the entire system also increases overall safety.

Additionally, the system allows for individual customisations, such as monitoring each roof tile for temperature and performance. With this innovation, WERNER WIRTH makes a significant contribution to simplifying and enhancing efficiency in the field of photovoltaic connection technology.

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### **Company background**

As a leading development partner in the electronics industry, WERNER WIRTH helps its customers changing the world. By combining connection technology and component protection, technologically innovative solutions are created and boundaries are pushed. In addition to supplying standard connectors and component protection materials, WERNER WIRTH offers customised solutions (e.g. connector systems for e-bike motors) and does prototype and series production – or supplies the suitable processing machines.

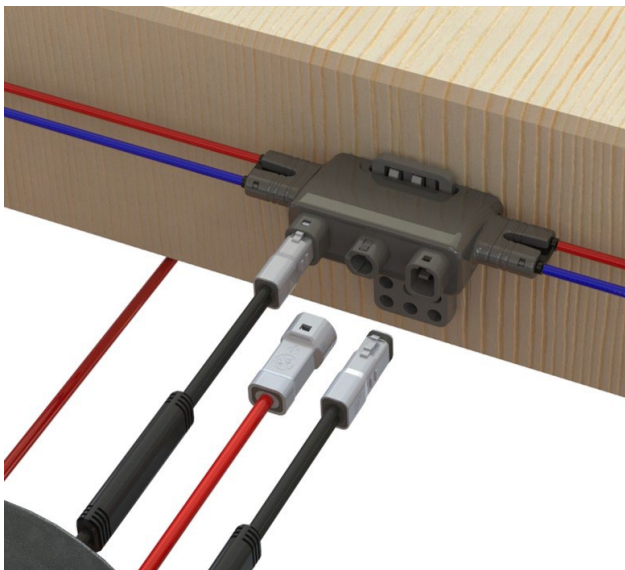
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### **Social Media Profile**

LinkedIn: <https://www.linkedin.com/company/werner-wirth-gmbh>  
YouTube: <https://www.youtube.com/@wernerwirthgmbh>  
XING: <https://www.xing.com/pages/wernerwirthgmbh>

## **Bildübersicht:**



werner-wirth-steckverbinder-pv-dachziegel.jpg: Optimised Connector System for photovoltaic roof tiles, consisting of special connections, Nail-and-Click mounting system, Plug-and-Play connector, and a safety concept.

Image: WERNER WIRTH GmbH