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Amphenol Partners with Melni Technologies to Further Expand Solar Splice Connector Series

RadCrimp™ solar splice connector significantly improves crimp reliability in the field

Technical Specifications

- Current rating of 50A for 8AWG and 65A for 6AWG
- Quick and simple termination
- No special crimp tools need for field termination
- Innovative Melni spiral termination technology with low resistance and long-term reliability
- Used in new PV installations, field replacement and repairs, solar field retrofits
- Eliminates the risk of cross mating connectors by different manufacturers
- Certified to UL6703 and IEC62852 for 1500V DC
- IP68 sealing protection

Endicott, NY February 2024 – Amphenol Industrial Sustainable Technologies has once again partnered with Melni Technologies, this time to expand its RadCrimp series of [solar splice connectors](#). The expanded series now includes connectors with current ratings of 50A for 8AWG and 65A for 6AWG cable.

Developed to Reduce Failure

The innovative RadCrimp was developed to significantly improve crimp reliability in the field, while helping to reduce the amount of crimp related failures that are directly related to improper crimping, including eliminating the risk of cross mating connectors produced by different manufacturers.

Ideal for use in new solar PV installations, field retrofits and repairs in solar installations and any other field terminations requiring a robust sealed power connection. These connectors feature a simple and fast termination, eliminating the need for crimping and the use of specialized crimp tools, making them safe to install by field technicians. Melni's dual spiral termination technology allows for a very quick, easy and long-lasting connection with a pull strength unparalleled by its competitors.

These crimpless butt splice solar connectors are assembled by stripping the PV wire/cable, inserting them into the connector and tightening the connector end caps to the specified torque. Since the RadCrimp is a single connector, there is no risk of mating incompatible connectors from different manufacturers and violating UL 6703 requirements. The secure crimpless termination eliminates the risk of crimp related assembly failure in the field.

Robust solar connector

Certified to UL 6703 for 1500V DC specifications, this robust solar connector has a current rating of 50A for 8AWG wire and 65A for 6AWG wire. It offers simple and fast field termination and sealing without any special crimp tools. Low resistance wire termination and sealing can be completed in one action. The connector has an IP68 rating, making it suitable for all outdoor power applications, including solar, telecom, ESS, lightning, back-up power generation, etc.

For more information, please visit <http://www.amphenol-industrial.com> or e-mail tech@amphenol-aio.com.

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-30-

READER SERVICE INQUIRIES: Please forward all reader service inquiries to Victor Mejia at Amphenol Industrial Operations, 20 Valley Street, Endicott, NY 13760-3600; e-mail: vmejia@amphenol-aio.com; Web: www.amphenol-industrial.com.

EDITOR'S NOTE: [Amphenol Industrial Operations](#), headquartered in Endicott, N.Y., with global manufacturing, sales and marketing locations, specializes in delivering a comprehensive range of high-reliability power and signal connectors along with interconnection systems designed specifically for industrial applications. Our solutions cater to diverse industrial sectors, including alternative energy, power generation and storage, rail and mass transit, process control, automotive manufacturing, heavy equipment, wireless base stations, and petrochemical.

Our product portfolio encompasses power interconnects utilizing RADSOK® contact technology, ruggedized military derivative commercial cylindrical connectors, like Threaded (SAE AS50151 style), PT (MIL-DTL-26482 style) and GT reverse bayonet style, assemblies and harnesses using these and other industry standard interconnects. With a dedicated team of over 900 skilled professionals and certifications including ISO9001 and IATF 16949, Amphenol Industrial Operations consistently meets the highest standards of quality and performance.

Amphenol Industrial Operations proudly operates as a division of Amphenol Corporation, headquartered in Wallingford, Connecticut. As part of one of the world's largest manufacturers of interconnect products, Amphenol Corporation achieved impressive sales of over \$12.55 billion in 2023, solidifying our position as an industry leader committed to excellence.