



Amphe-PRB Series

BACKGROUND

Amphenol Industrial has a longstanding history of manufacturing high-quality metallic circular connectors. These connectors are widely used across numerous markets, particularly in general duty and environmental applications. Renowned for their exceptional reliability and robust design, Amphenol's circular connectors offer a diverse range of insert patterns to meet various technical requirements and industry standards.

PROBLEM

The traditional circular connectors, while reliable and robust, face a significant challenge in emerging markets such as energy storage. These new markets demand a high volume of connectors but operate under stringent cost constraints. The conventional connectors are not sufficiently cost-effective to meet the economic demands of these sectors, necessitating the development of more affordable solutions without compromising on performance.

AIO SOLUTION

The Amphe-PRB Series, a new innovation by Amphenol Industrial, addresses the cost-effectiveness challenge in emerging markets such as energy storage. Specifically designed for inverter power supply connections, these connectors feature a durable thermoplastic shell that meets UL F1 ratings. This robust and economical design ensures the connectors are ideal for outdoor use, providing excellent resistance to ultraviolet light, water exposure, and immersion. By offering a high-quality, cost-effective solution, the Amphe-PRB series successfully meets the high-volume, low-cost demands of new markets while maintaining the reliability and performance that define Amphenol's products.