Price of explosion-proof connector on top of distribution box



Overview

Explosion Proof Plugs, Connectors, and Cord Caps Our comprehensive line of plugs, cord caps, and connectors are built to be durable, long-lasting solutions.

Key Takeaways

Explosion-proof connectors for distribution boxes typically range from $50 to over $500 depending on certification, material, and size.Price Overview

The cost of an explosion-proof connector installed on a distribution box varies widely based on several factors:

• Certification and Standards: Connectors certified for ATEX, IECEx, or UL compliance are more expensive due to rigorous testing and compliance requirements .

• Material: Stainless steel or high-strength aluminum connectors designed for corrosive or high-risk environments cost more than standard thermoplastic or aluminum models .

• Size and Poles: Single-pole or small connectors for low-voltage applications are at the lower end of the price range ($50–$150), while multi-pole or high-current connectors can exceed $500 .

• Environmental Protection: IP66 or higher-rated connectors for outdoor or wet environments add to the cost .
Typical Applications

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Explosion-proof connectors are used in hazardous areas such as chemical plants, oil and gas facilities, and industrial automation systems. They are often mounted on junction boxes or distribution boards to safely connect power or signal lines in explosive atmospheres .

Example Price Ranges
• Compact connectors for small junction boxes: $50–$150

• Medium-duty connectors for industrial distribution boxes: $150–$300

• Heavy-duty or multi-pole connectors for high-risk zones: $300–$500+
Additional Considerations
• Lead Time: Custom or certified connectors may have longer delivery times.

• Installation: Proper installation in compliance with ATEX or IECEx standards may require additional labor or accessories.

• Supplier: Prices vary by manufacturer; suppliers like ATEX Global, Larson Electronics, and CZ Electric offer a range of certified products . In summary, for budgeting purposes, expect $50–$500+ per explosion-proof connector, with the final cost influenced by certification, material, size, and environmental rating.

Article Content

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