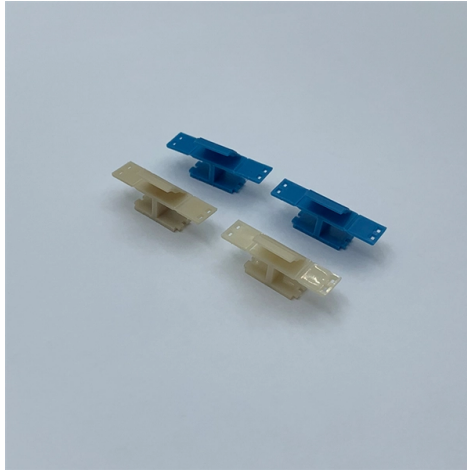


Belgian Brand of Explosion-proof Distribution Boxes for Smart Buildings



Overview

Ex Enclosure Systems They are completely pre-assembled explosion protection enclosures made of resistant plastic including ATEX and IECEx approval. Verdeel.

Key Takeaways

Ysebaert NV and E-Abel are leading Belgian manufacturers offering ATEX-certified, customizable explosion-proof distribution boxes suitable for smart buildings. Ysebaert NV

Ysebaert specializes in custom explosion-proof distribution panels for hazardous areas, fully compliant with ATEX directives. They offer enclosures in Ex d, Ex d e, and Ex t (dust) versions, allowing integration of terminals, circuit breakers, residual current devices, contactors, switches, and other control components. Their panels are rigorously tested for safety and reliability, and internal wiring is installed by Ysebaert to ensure compliance with strict explosion protection standards. They also provide solutions for gas groups IIB and IIC, with options for external operation of circuit breakers and hinged windows for convenience .

E-Abel



E-Abel provides custom electrical distribution boxes tailored to industrial, commercial, and residential projects. Their engineering team analyzes project requirements, including power load, environmental conditions, and smart integration needs, and designs panels using 3D digital twin technology. Materials such as steel, stainless steel, or aluminum are selected based on environmental conditions, and fabrication includes cutting, bending, welding, and powder coating. Each panel undergoes assembly, wiring, and rigorous testing, including optional environmental tests for temperature, humidity, or corrosion resistance. E-Abel emphasizes enhanced safety and modular layouts, making their solutions suitable for smart building applications .

Key Features to Consider

- **ATEX Certification:** Ensures compliance with European explosion protection standards.
- **Customizable Layouts:** Modular designs allow integration of smart building controls.
- **Material Options:** Stainless steel, aluminum, or coated steel for durability and corrosion resistance.
- **Environmental Testing:** Optional tests for extreme temperatures, humidity, or corrosive environments.
- **Internal Wiring and Safety:** Professional installation ensures compliance with safety regulations. Both Ysebaert and E-Abel provide tailored solutions for hazardous areas, making them ideal partners for smart building projects requiring explosion-proof distribution boxes. Contacting them directly allows discussion of specific project requirements, including size, material, protection rating, and smart integration features .

Article Content

Electrical Distribution Boxes for Power Distribution | Wieland

The Wieland distribution boxes, in compliance to IEC 61439, together with our installation connector systems, in compliance to IEC

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

