

## Ex proof junction box

In all areas where explosive atmospheres occur, special safety guidelines are effective which prescribe the use of specially tested components. Within the EU, the ATEX directive, which determines the safe operation of plants and systems in potentially explosive atmospheres, is effective for this purpose.

Other countries and continents have different safety guidelines in this area (IECEEx, TR-TS, NEC etc.) &#8211; often these are derivatives of European ATEX legislation.

ROSE Aluminium, Polyester and Stainless-Steel Ex Enclosures and Control Stations assure reliable protection for electrical distribution systems in explosion-endangered zones.

ROSE Control Stations (local control points) are certified for use in explosion-endangered zones containing combustible gases and/or particulates. These systems in all cases have a customised structure - various enclosure types and sizes are available, depending on requirements and the volume of equipment:

In order to protect signal and power distribution networks from harsh environmental conditions and explosion hazards, various types of flameproof terminal boxes and junction boxes are available.

Several enclosure variants and material options as well as customized configuration with terminal and cable gland types allow adaption to any application requirements.

Suitable ingress protection and ambient temperature ranges as well as rugged enclosure materials such as copper-free aluminum and stainless steel ensure long-term durability and safe operation.

Customized configurations of terminals and cable glands in conjunction with a wide choice of EJB/X stainless steel enclosures ensure optimal protection for any installation.

The F\* TBseries terminal and junction boxes are based on Ex d or Ex d and Ex tD certified enclosures, and manufactured from marine-grade aluminum with increased corrosion resistance.

Pepperl+Fuchs is a leading developer and manufacturer of electronic sensors and components for the global automation market. Continuous innovation, enduring quality, and steady growth have been the foundation of our success for more than 70 years. Pepperl+Fuchs employs 6,300 people worldwide and has manufacturing facilities in Germany, USA, Singapore, Hungary, Indonesia and Vietnam, most of them ISO 9001 certified.

The EJB series junction boxes are suitable for installation in all areas of a plant at risk of explosion and/or classified zone 1, 2, 21, 22. The quality of this product is recognized and appreciated worldwide for its aluminum alloy and the mechanical properties of its finishes. The EJB series is mainly used as a box to

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transport bollards and sets of bars, fuse holders, transformers, reactors and gates, although it is also used to produce control and signalling cards, lighting and power cards, satellite and engine departure boxes with various configurations.

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Web: <https://hollanddutchtours.nl/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

