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**At a glance:**

- ☐ Wide choice of explosion protected control units and stations, terminal boxes as well as sophisticated control panels
- ☐ Comprehensive consulting and project management due to world-wide located Solution Engineering Centers
- ☐ Use of standard electrical industry components in hazardous areas by means of flameproof enclosures and pressurized cabinets
- ☐ Application-optimized design of control and distribution panels with full certification and delivery ready-for-commissioning

## Wide Portfolio for manifold applications

### Electrical Explosion Protection Equipment

**In explosion hazardous areas the diversity of applications is almost limitless. Pepperl+Fuchs offers optimal solutions for virtually all requirements due to a comprehensive portfolio of explosion-protected components and customized systems.**

Electrical Explosion Protection Equipment by Pepperl+Fuchs is exactly tailored to meet the multifarious requirements of process automation. Starting with basic terminal boxes through control units and stations to complex control solutions the Mannheim-based company offers a highly flexible, extensive portfolio. Utilization of various types of explosion protection as well as a large quantity of enclosure styles facilitate the design of efficient solutions for each application and environment. The high-quality enclosures are available in various sizes and materials. Customized solutions come in explosion protection types 'intrinsic safety' Ex i, 'increased safety' Ex e, 'flameproof' Ex d as well as 'pressurized' Ex p, depending on the specific application's requirements.

For instance, Ex e certified terminal boxes or control stations can be configured easily from a wide selection of well-matching components. No matter if it's a small control unit with just one operating function or a sophisticated control station integrating more than fifty control elements. Thanks to

highly flexible configuration options the completed device will exactly fit to the specific application. The sturdy Ex d enclosures of Pepperl+Fuch not only safeguard complex control and distribution panels against explosion hazards, they also protect the installed components from harsh environmental influences. At the trade show booth two fair samples will show how identification systems without specific Ex-approval can safely be used inside hazardous areas, thanks to their installation in flameproof enclosures.

In cases where standard devices do not fit efficient customization takes place: In world-wide located Solution Engineering Centers (SECs) the companies' experts design and manufacture individual solutions, exactly tailored to the requirements of the users. Good representations of this expertise are the Ex de control panels of Pepper+Fuchs. They combine a flameproof enclosure (Ex d) to protect electrical components with an increased safety terminal compartment (Ex e) individually configured with connection terminals and operating elements, thus facilitating commissioning and maintenance.



The portfolio of Electrical Explosion Protection Equipment (MAC0003422)

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