Solution Spotlight

Combined Panel Solutions

Global Engineered Solutions for Hazardous Areas from Pepperl+Fuchs



Your automation, our passion.

PEPPERL+FUCHS

Engineered Solutions for Hazardous Areas

Flexible Control and Panel Solutions

Flexibility is key when it comes to complex control applications in hazardous areas. By combining multiple enclosure types—such as Ex d with Ex e, or even Ex e with Ex e by means of a connecting flange—it is possible to create customized solutions tailored to your specific application requirements.

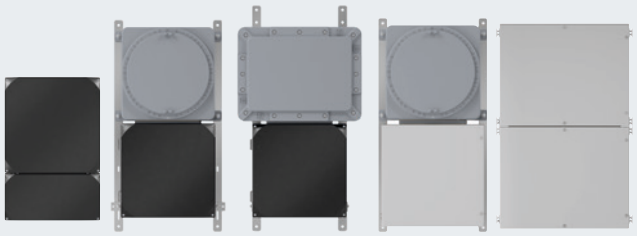
Whether you need extended space through interconnected enclosures or need to separate different electrical sections within a system, our highly flexible approach makes it easy. With our extensive portfolio of combined panel solutions, your processes can be operated efficiently, reliably and with great flexibility—perfectly aligned with the demands of modern process automation.

Solution Combinations for Combined Panels

- Increase the capacity of a solution by connecting a second or more enclosures into a large overall solution
- Ensure separations between different electrical areas in complex applications
- High flexibility in engineering due to the option to combine different enclosure types and materials

Combine our complete range of explosion-proof housings easily and flexibly. Possible combinations:

- Ex d (flameproof) with Ex e (increased safety)
- Ex e with Ex e





Solution-Driven. Together.

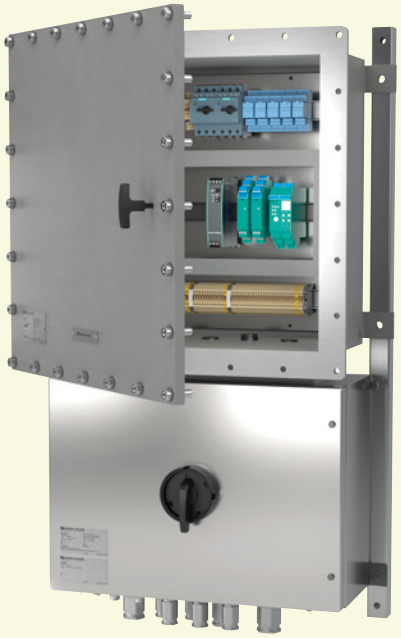
- Complete portfolio of products for hazardous areas
- Ex-certified solutions tailored to customer needs

For more information, visit
pepperl-fuchs.com/if-ex-solutions

Ex de Solutions: Combination of Ex d and Ex e

Highlights

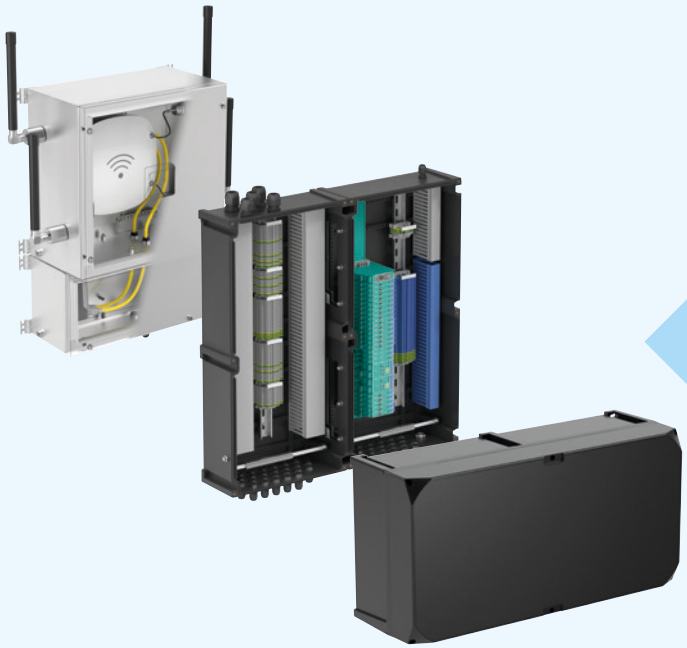
- Ex d enclosures can be joined to Ex e enlcosures to give customers the benefit of both types of protection.
- The transition from Ex d to Ex e enclosures is assured using certified line bushings
- Flanges make it possible to increase the capacity of a solution by connecting a second enclosure into a larger and more structured overall solution
- Use of cost-effective Ex e cable glands within the combined panel solution



Technical Features

- Various materials available: Aluminum, stainless steel, and glass-fiber reinforced polyester (GRP)
- The Ex d enclosure can contain components for safe areas such as control devices, power supplies and other non-ex components.
- The Pepperl+Fuchs Ex d IIB enclosure series EJB (aluminium), EJBX (stainless steel) and Ex d IIC enclosure series GUB (aluminium) or GUBX (stainless steel) can be joined to Ex e enclosure series SR (stainless steel) or GR (glass-fiber reinforced polyester) by means of a connecting flange
- Control elements and cable glands can be added as desired





Ex e to Ex e Combinations

Highlights

- Simplified planning due to space gain
- Large number of possible connections
- Control panels, complex control stations, wireless access points (Ex nR/Ex e) and many other system solutions can be engineered

Technical Features

- GRP or stainless steel solutions available
- Zone 1/21 and Zone 2/22 applications
- Control elements can be added as desired

Your automation, our passion.

- Industrial Sensors
- Industrial Communication and Interfaces
- Enterprise Mobility
- Hazardous Area Products and Solutions

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