



ETHERNET IN HAZARDOUS AREAS

ETHERNET ISOLATOR



ETHERNET IS FINALLY REACHING INTRINSIC SAFETY!





The FieldConnex® Ethernet Isolator combines intrinsically safe energy limitation and galvanic isolation into one product. Now Ethernet connections are plug and play in Ex-Zone 1. This compact device is designed especially for temporary installations and mobile apparatus.

The FieldConnex® Ethernet Isolator is most useful for machinery and equipment, that is frequently connected and disconnected during normal operation, or that is installed on a temporary basis. Intrinsically safe energy limitation and galvanic isolation are now possible at 100 Mbit/sec.

Galvanic isolation is built in for a purpose. It eliminates equipotential bonding and solid grounding between the safe area and the connection point in the hazardous area. And what about conduits? Flexible Ethernet cable can be used for installation. Plug and Play.

Pepperl+Fuchs is an expert in fieldbus infrastructure and explosion protection. Working with OEMs, our knowledge can enable the integration of Intrinsically safe Ethernet into virtually any customer's apparatus.

Costly and inflexible installation is obsolete and a thing of the past with the Ethernet Isolator. The energy-efficient design produces very low heat dissipation, a definite advantage when cabinet space is tight and costly. And long lasting performance is ensured through the superior electric circuitry – a fundamental benefit of all Pepperl+Fuchs products and a basic requirement for any process plant today.



TECHNICAL DATA



- Approval for intrinsically safe Ethernet in Zone 1 (pending)
- Installation in Zone 2
- Two Ethernet Isolators per connection
- Connecting cable type CAT5e, 100 m max. length
- Transfer rate 10/100 MBit/s, 10-BASE-T/100 BASE-TX
- Connector type 2 x RJ45
- Half/Full Duplex and Auto-Negotiation
- LEDs for Power, Communication and Transfer rate recognition
- Ambient Temperature range -40 °C ... 60 °C

PROCESS AUTOMATION – PROTECTING YOUR PROCESS



For over a half century, Pepperl+Fuchs has been continually providing new concepts for the world of process automation. Our company sets standards in quality and innovative technology. We develop, produce and distribute electronic interface modules, Human-Machine Interfaces and hazardous location protection equipment on a global scale, meeting the most demanding needs of industry. Resulting from our world-wide presence and our high flexibility in production and customer service, we are able to individually offer complete solutions – wherever and whenever you need us. We are the recognized experts in our technologies – Pepperl+Fuchs has earned a strong reputation by supplying the world's largest process industry companies with the broadest line of proven components for a diverse range of applications.

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