



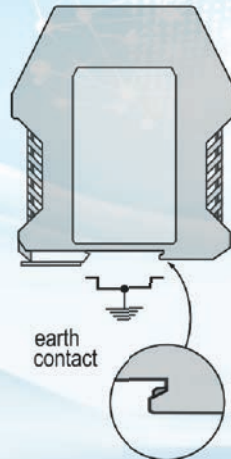
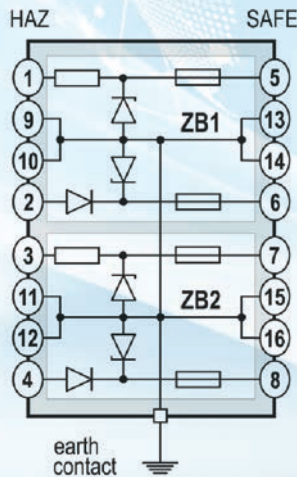
Zener barrier ZbC2 + Two-in-one, this is Comet's Zener barrier.

- Voltage U_0 29,4 V
- Current I_0 95mA
- Resistance R_{omin} . 306 Ω

The Zener barrier serves as a certified intrinsically safe interface, enabling the connection of a device certified for intrinsic safety within potentially explosive environments (hazardous areas) to non-certified devices situated in safe areas.

Key features

- Two identical Zener barriers, ZB1 and ZB2, housed together
- Features positive polarity with a return diode
- Series resistance specified as $R_{s1} = \max. 348 \Omega$ (for terminals 1-5 and 3-7)
 $R_{s2} = \max. 34 \Omega$ (for terminals 2-6 and 4-8)
- Fuse rating 40 mA
- Designed for DIN rail mounting in a safe area



Two identical Zener barriers, ZB1 and ZB2, housed together.

IMPORTANT NOTICE!

Only personnel qualified in accordance with applicable regulations and standards are authorized to carry out installation, commissioning, and maintenance tasks. This notice supplements the information provided in the product's user manual.



Paint shops, adhesive warehouses, chemical storage areas, and similar environments.

A complete monitoring of the entire production hall, where various parts are painted not only for the automotive and rail industry, was required. The measurements also included some facilities such as mixing plants, paint booths and painted parts drying plants that fall into the explosion hazardous environment, specifically Zone II.

Frequent solution requirements - measurement of

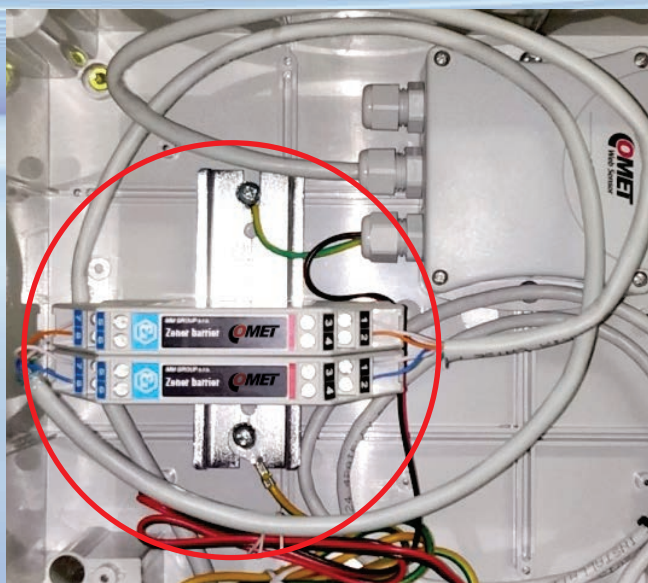
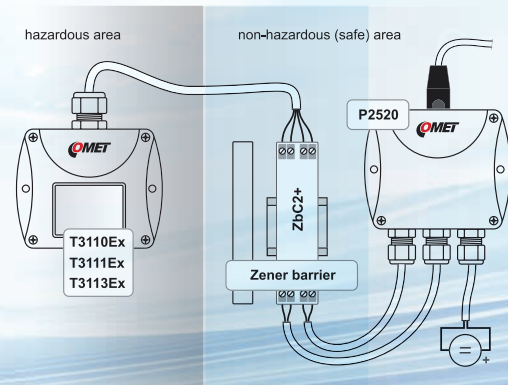
- temperature and relative humidity.
- designed for explosive atmospheres (Ex).
- transmission of measured values to the company's ether net network



Temperature and humidity probe for ATEX environment

Paint shop

P2520 model features a current loop output for signal transmission, along with capabilities for converting these signals into IT protocols, facilitating seamless integration with modern information technology systems.



Zener barrier

