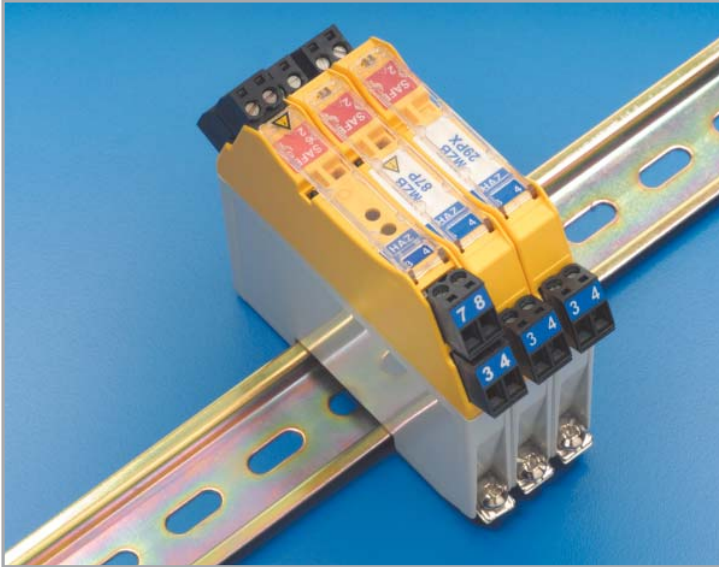


# TURCK

PRESS RELEASE - For Immediate Release

**TURCK**  
*works*

## Network & Interface Products



**Release Date: Sept. 28, 2009**  
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## Zener Diode Barriers with Advanced Features for Hazardous Areas

Minneapolis, Minn.—TURCK introduces MZB series Zener diode barriers, designed to effectively limit excess energy before it reaches a hazardous area. The MZB barriers provide convenient removable terminals within an extremely efficient and space-saving design—with channels as small as 6.3mm wide—to consume minimal panel space. Additionally, the MZB series features a bussed power feed and offers both relay and solid-state switch models.

Each channel of the MZB Zener diode barriers is fitted with two stages of pulse-tested Zener diodes and an infallible terminating resistor. If an electrical fault such as an overvoltage occurs in the non-hazardous area of the barrier, the Zener diodes limit the voltage available to hazardous area circuits, while the series resistance limits the current. Within this circuit is a fuse designed to immediately and safely rupture if the excess energy continuously applied to the barrier exceeds the design criteria for the loop.

TURCK is an industry leader providing superior quality sensing, connectivity, network and interface products to help manufacturers improve their automated processes. For other TURCK product or technical information, contact:

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