



Safety barriers

Perfect from every angle

Safety barriers

Types 9001 and 9002
Type 9004

Explosion protection

Installation
Approvals

Mechanical data

Dimensions
Mounting
Signal connection

PE connection

Ambient temperature

Electrical data

Channels
Short-circuit proof
Back-up fuse

Transmission frequency

Type 9004
Special features

Technical specifications

II (1/2) G [EEx ia/ib] IIC/IIB and II 3 G EEx nA II T4
 II (2) G [EEx ib] IIC and II 3 G EEx nA II T4

In Zone 2 or Division 2 and safe areas
ATEX, FM, CSA (others in preparation)

12 x 104 x 70 mm
on DIN rails NS35 among others
4 screw terminals for each 1.5 mm²
flexible or solid-core wire
directly **via the DIN rail** if snap-on mounting
or via screw terminal for 4 mm²
-20°C to +60°C

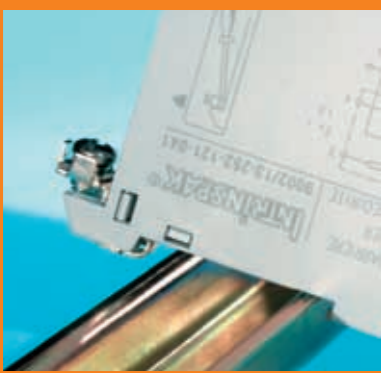
Single-channel (9001 and 9004), dual-channels (9002)
yes
yes, one per channel
exchangeable (only one version for all barriers)
Note: The back-up fuse can also be exchanged
during operation and in Zone 2.
up to 100 kHz (current-dependant)

- ▶ Very low voltage drop through the barrier
- ▶ Constant output voltage regardless of the input voltage
- ▶ Advantageous safe maximum values
- ▶ Input voltage can be higher than the safe maximum voltage

For more information please contact

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Out-of-the-box standard solutions for all important applications are already integrated in the **compact** 12 mm wide single and dual-channel

Safety barriers from R. STAHL Schaltgeräte GmbH. The new ATEX certified series is **compatible** with barriers manufactured to date and guarantees the well-known **reliable** functionality.

Simple: only a few seconds are required for mounting on a DIN rail. Literally a snap of the fingers. Snapping-on not only mounts the barrier mechanically, it simultaneously establishes the PE connection. That's why only one common PE connection is needed per DIN rail. Time and energy-intensive wiring is dispensed with, however, manual wiring is still an installation option. Even if other non-DIN rails are used, adapters guarantee that the new safety barriers possess a high degree of **flexibility**.

Service and value maintenance are particularly effortless and comprehensive. An easily **exchangeable back-up fuse** safeguards the internal fuse and the safety barrier itself. All models have the same nominal fuse rating. This back-up fuse can be replaced without dismantling the barrier and without deenergizing the circuit.

With the **most extensive** product spectrum around, R. STAHL makes selecting the right safety barrier easy. We have the perfect barrier for every application!

The exchangeable back-up fuse protects the barrier from over-voltages, surges and pole reversal

2 channels within a 12 mm width

Grounding terminals give you more flexibility when connecting

Dual-channel barriers are equipped with a second back-up fuse

For all standard applications using analog and digital inputs/outputs as well as for temperature sensors

PE connection and mechanical mounting: all in a matter of seconds

Separate PE connection for isolated mounting applications



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