



- · For the simultaneous connection of non-intrinsically safe and intrinsically safe field signals to one IS-RPI system
- Non-intrinsically safe/intrinsically safe isolation of the internal backplane bus
- Satisfies the European standard 94/9 EG
- · Satisfies the US standard NEC 500

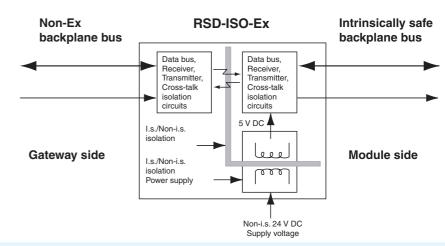
## **Function**

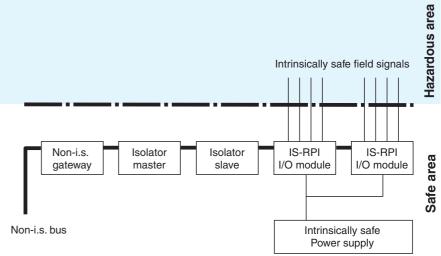
The bus isolator makes it possible to connect non-intrinsically safe and intrinsically safe field signals to the same IS-RPI system at the same time. One task it is responsible for is generating the intrinsically safe current for operating the intrinsically safe backplane bus segment from a nonintrinsically safe power supply. It also converts non-intrinsically safe backplane bus signals reliably into intrinsically safe backplane bus signals and vice versa. Preferably, the layout of the IS-RPI system provides for use in the safe area when the bus isolator is used.

The type of isolation described above is achieved by using 2 devices: the RS-ISO.Master and the RSD2-ISO-Ex.Slave. Both devices must be fitted and connected in the manner shown on the front view.

RS-ISO.Master and RSD2-ISO-Ex.Slave form a unit and can under the part code RSD-ISO-Ex be ordered only together.

## Connection

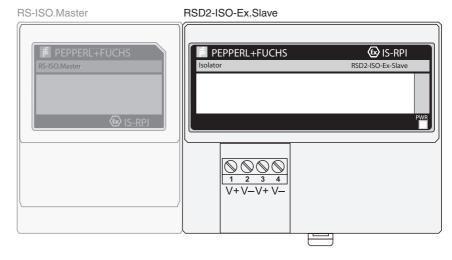




# Composition

#### Front View

RSD-ISO-Ex consisting of:



## Supplementary information

EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed. For information see www.pepperl-fuchs.com.

Technical data RSD2-ISO-Ex.Slave

# **Electrical connection**

# **Terminal assignment**

