

- Connects the IS-RPI system to the control system via ControlNet
- Fieldbus intrinsically safe EEx ib IIC
- Device installation in Zone 1, Zone 2, or Zone 22
- Up to 24 gateways on one intrinsically safe bus network
- ControlNet international version 1.5 (intrinsically safe)
- Redundant coaxial transfer options possible
- Up to 8 I/O modules on one gateway via the backplane bus
- · LED status indication
- Gateway can be replaced under voltage in zone 1 (hot swap)
- EMC acc. to NAMUR NE 21

Function

The RSD-GW-Ex2.CN gateway is the interface between the external ControlNet and the internal bus. It converts the protocols of the internal bus to ControlNet protocols and vice versa.

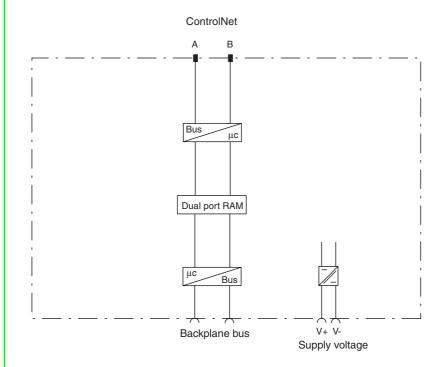
Up to 8 I/O modules can be connected to a gateway via the internal backplane bus. Communication with the I/O modules is performed via the address and data lines of the backplane bus.

Configuration and parameter assignment of the system can be performed by **PACT***ware*[™].

HART telegrams are received over the ControlNet by the gateway and are forwarded on to the HART field devices connected to the I/O modules. HART communication can also be performed with ${\bf PACT}_{ware}^{{\bf TM}}$.

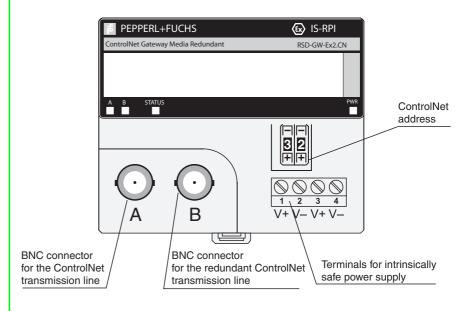
The gateway interface with the ControlNet is designed for mediaredundant operation. The internal and external bus are galvanically isolated from the power supply.

Connection



Composition

Front View



Supply Connection

terminals V+, V-

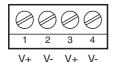
Supplementary information

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 RSD-GW-Ex2.CN

Electrical connection

Terminal assignment



Application

- Connects conventional binary and analogue sensors as well as actuators to the control system via ControlNet
- HART communication with the field devices connected to the I/O modules
- Configuration via ControlNet

Notes

- Parameterisation of the I/O modules connected to the gateway via ControlNet
- 1 power supply channel for 1 gateway
- The gateway must be powered via the intrinsically safe power supplies RSD2-PSD2-Ex4.34 or RSA6-PSD-Ex4.34