## **Features**

- 2-channel
- · DC version, negative polarity
- Working voltage 6 V at 10 μA
- Series resistance max. 15.5  $\Omega$
- Fuse rating 200 mA
- · DIN rail mounting

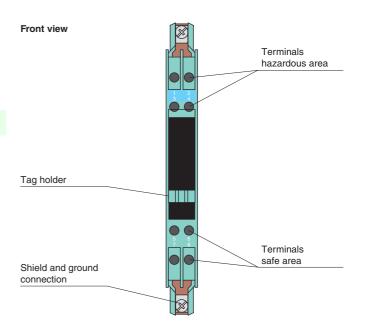
## **Function**

The Zener Barrier prevents the transfer of unacceptably high energy from the safe area into the hazardous area.

The zener diodes in the Zener Barrier are connected in the reverse direction. The breakdown voltage of the diodes is not exceeded in normal operation. If this voltage is exceeded, due to a fault in the safe area, the diodes start to conduct, causing the fuse to blow. The Zener Barrier has a negative polarity, i. e. the cathodes of the zener diodes are grounded.

Depending on the application, increased or decreased intrinsic safety parameters apply for serial or parallel connection. For the detailed parameters refer to the Zener Barrier certificate. Application examples can be found in the system description of the Zener Barriers.

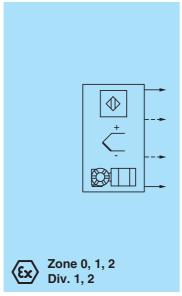
## **Assembly**

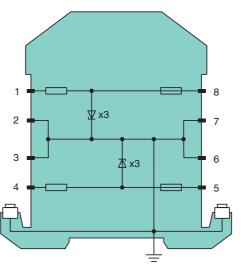






## Connection





Zone 2 Div. 2

Refer to "General Notes Relating to Pepperl+Fuchs Product Information

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**General specifications** 

**Electrical specifications** Nominal resistance

Hazardous area connection

Safe area connection

Series resistance

Fuse rating

Connection

Connection

Type

DC version, negative polarity

 $10 \Omega$ 

 $\leq$  15.5  $\Omega$ 200 mA

terminals 1, 2; 3, 4

terminals 5, 6; 7, 8