Features

- 2-channel
- · DC version, positive polarity
- Working voltage 26.5 V/6.5 V at 10 μA
- Series resistance max. 327 $\Omega/64~\Omega$
- Fuse rating 50 mA
- · DIN rail mounting
- · Asymmetrical version

Function

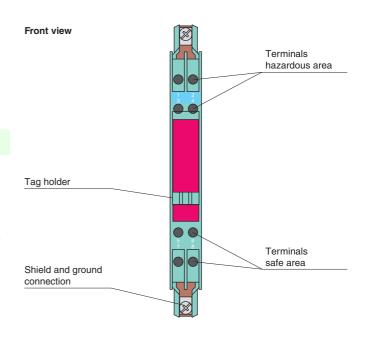
The Zener Barrier prevents the transfer of unacceptably high energy from the safe area into the hazardous area.

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 positive polarity, i. e. the anodes of the zener diodes are grounded.

Asymmetrical Zener Barriers are for optimization of applications which have different voltage levels regarding to ground potential.

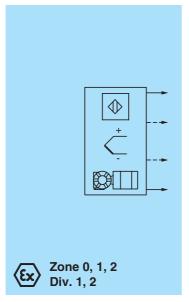
Depending on the application, increased or decreased intrinsic safety parameters apply for serial or parallel connection. For the detailed parameters refer to the Zener Barrier certificate. Application examples can be found in the system description of the Zener Barriers.

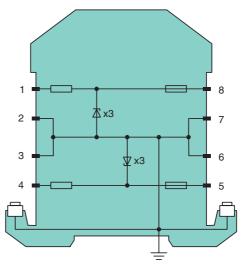
Assembly





Connection





Zone 2 Div. 2

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group www.pepperl-fuchs.com

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yes

50 mA

DC version, positive polarity

terminals 1, 8: < 327 Q terminals 4, 5: \leq 64 Ω

terminals 1, 2; 3, 4

terminals 5, 6; 7, 8

terminals 7, 8: \leq 27 V

terminals 5, 6: ≤ 8.6 V

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terminals 7, 8: \leq 26.5 V at 10 μ A terminals 5, 6: \leq 6.5 V at 10 μ A

terminals 1, 8: 300 Ω ; terminals 4, 5: 50 Ω

Search characteristics Asymmetrical version

General specifications

Electrical specifications

Hazardous area connection

Safe area connection

Measurement loop

Nominal resistance Series resistance

Fuse rating

Connection

Connection

Conformity Degree of protection

Working voltage

Supply loop

Type