

# Passive safety zener barriers



Protection class  
II(1) GD [EEX ia] IIC (-20°C ≤ Ta ≤ +60°C).

## type ZBX

Kit of 3 intrinsic safety zener diodes, for connection of devices in ATEX hazardous area to devices in safe areas.



### Specifications

- Suitable for mounting on a panel board on an omega bar in a safe area, or in a hazardous-proof case, for intrinsic safety weighing systems in hazardous area
- protection class II(1) GD [EEX ia] IIC (-20°C ≤ Ta ≤ +60°C). ATEX, certificate and declaration of conformity available on application
- single channel propertie:

#### For input:

Fuse: 50 mA  
Uo: 8.7 Vdc  
Io: 25 mA  
Po: 0,05 W  
Co: 4,9 µF  
Lo: 57 mH  
L/R: 613 µH/Ω  
Rmin: 352,8 Ω

#### For sense:

Fuse: 50 mA  
Uo: 8.7 Vdc  
Io: 25 mA  
Po: 0,05 W  
Co: 4,9 µF  
Lo: 57 mH  
L/R: 613 µH/Ω  
Rmin: 352,8 Ω

#### For output:

Fuse: 100 mA  
Uo: 12 Vdc  
Io: 164 mA  
Po: 0,49 W  
Co: 1,41 µF  
Lo: 1,38 mH  
L/R: 75 µH/Ω  
Rmin: 73,5 Ω

- Connection up to 4 load cells of 350 Ω each

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