

## "MB4" PASSIVE SAFETY ZENER BARRIERS, FOR ATEX ENVIRONMENTS



MBA: kit of zener barriers for hazardous areas.

KIT of three intrinsic protection zener barriers, for connection of devices en ATEX area with devices in safe area. 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. Method protection according to II(1) GD [EEx ia] IIC (-20°C ≤ Ta ≤ +60°C).

### SINGLE CHANNEL FEATURES

- **Barrier for output:**  
Fuse: 50mA  
Uo: 8.7 Vdc  
Io: 25mA  
Po: 0,05W  
Co: 4,9μF  
Lo: 57mH  
L/R: 613μH/Ω  
Rmin: 352,8Ω
- **Barrier for sense:**  
Fuse: 50mA  
Uo: 8.7 Vdc  
Io: 25mA  
Po: 0,05W  
Co: 4,9μF  
Lo: 57mH  
L/R: 613μH/Ω  
Rmin: 352,8Ω
- **Barrier for input:**  
Fuse: 100mA  
Uo: 12Vdc  
Io: 164mA  
Po: 0,49W  
Co: 1,41μF  
Lo: 1,38mH  
L/R: 75μH/Ω  
Rmin: 73,5Ω
- NOTE: connection with up to 4 load cells of 350 ohm each.

### Available versions:

Code	Description
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MB4	KIT of THREE PASSIVE SAFETY ZENER BARRIERS for up to 4 load cells of 350 ohm each, 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. Max. Cable length of 50 m. Marking of single barrier: Ex II (1) GD [EEx ia] IIC.
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### Options only available at time of order:

Code	Description
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DCATEXMB4	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 2GD IIC T6 T125°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for NON ATEX weight indicator connected to MB4 Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).
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