

# ZBA1S\_OLD20190327

TRIPLE ZENER BARRIER FOR LOAD CELLS "ZBA1S"



The Zener Barrier ZBA1S is the perfect solution for the connection between a weighing terminal and a weight receiver system in the ATEX ZONE. ZBA1S integrates three barriers in one, protecting the excitation line, signal and sense. This feature makes the installation easier, especially in small spaces. This saves time and money.

Single barrier marking: ATEX II (1)G, II (1)D, I (M1)

Protection: [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C  $\leq$  Tamb  $\leq$  +60 °C)

The best solution for advanced industrial applications

## **TECHNICAL FEATURES**

- Equipped with 3 channels for the protection of the Signal line (CN1/CN4), the Excitation line (CN3/CN6) and the Sense line, for improved signal stability.
- "SLIM" type case, iper-compact, for DIN rail installation.
- Temperature of usage: -20°C ÷ +60°C.
- Storage temperature: -25°C ÷ +70°C
- Rating: 14Vrms differential and 8Vrms through earth for CN3 connector, 20Vrms for the CN1 & CN2
- Maximum Security Voltage(Um): 250Vrms
- Maximum Security Current (current interruption capability): 1500A
- Degree of protection: IP20
- Excitation, Signal and Sense Marking: ATEX II (1)G, II(1)D, I(M1)
- Protection: [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20°C  $\leq$  Tamb  $\leq$  +60°C)
- Please refer to the User Manual for more information.

### NOTE:

- Can connect up to 4 Load Cell of 350 Ohm.
- Combined use of one or more Zener Barriers (1) GD [Ex ia], implies that the Atex marking of the set of barriers must be upgraded (2) GD [Ex ib], as written in the EN 60079-14 normative.

## **KZBA CASE FEATURES**

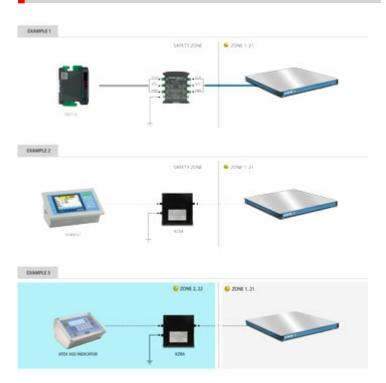
- Material: ABS
- Glands: n.4, ATEX certified.
- Protection for Case + Barrier:
  - ATEX II 3(1) Ex Na [ia Ga] IIC T4 Gc (-20°C  $\leq$  Ta  $\leq$  +50°C) for Gas
  - ATEX II 3(1)D Ex tb [ia Da] IIIC T130°C Dc IP65 (-20°C  $\leq$  Ta  $\leq$  +50°C) for Dust.





# DETAIL 3

## **DETAIL 4**







DINI ARGEO FRANCE sarl France DINI ARGEO GMBH Germany DINI ARGEO UK Ltd United Kingdom DINI ARGEO WEIGHING INSTRUMENTS Ltd China OCEANIA Australia



#### **COMPANY HEADQUARTERS**

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