



## Atex barrier with galvanic isolation

- For installations in areas at risk of explosive atmospheres
- 1 digital input
- DIN rail mounting
- Galvanically isolated

# KET-BAX-100

### Applications

Accounting

The **KET-BAX-100** is an **Atex Barrier** designed to transmit On-Off signals from a proximity contact or switch located in a hazardous area to the safe area.

It is equipped with a **digital input** with voltage-free switch or 2-wire proximity sensor and **two relay outputs** (5 A - 250 VAC).

Maximum flexibility of power supply, direct from the mains or low voltage, both DC and AC. Together with the KET-CGP / CGT gas meters, it is essential in the monitoring of a **gas system** for safety purposes.

### Technical Features

General specifications	<b>Protection Range:</b> IP20 <b>Operative Temperature:</b> -20 ÷ +60 °C <b>Storage Temperature:</b> -25 ÷ +70 °C <b>Relative Humidity:</b> MAX 95% not condensing
Case	<b>Dimensions:</b> 21.5 x 70 x 101 mm (W x H x D) <b>Mounting:</b> DIN-rail <b>Required DIN modules:</b> 1 DIN module <b>Electric Board Type:</b> Industrial or switchboard <b>Material:</b> ABS
Power supply	<b>Supply Voltage:</b> 110 ÷ 230 VAC ±10% (48 ÷ 62 Hz); 12 VDC ±10%; 24 ÷ 48 VDC ±10% <b>Consumption:</b> = 4.5 VA or 1.6 W <b>Connectors types:</b> Screw terminal
Digital inputs	<b>Channels:</b> 1 <b>Digital Inputs:</b> Voltage free switch or 2 wires proximity sensor
Relay outputs	<b>Channels:</b> 2 switch outputs <b>Voltage Output:</b> 250 V @ 5 A; max 100 VA <b>Maximum Rated Current:</b> 100 mA <b>Isolation:</b> Galvanic isolation 2500 VAC 50 Hz
Certifications	<b>Referends Standard:</b> EN/IEC 61326, EN/IEC 61000-6-2, EN/IEC 61010-1 <b>Approvals:</b> ATEX certificate: LCIE 02 ATEX 6104X - INERIS 14 ATEX 3015X; ATEX classification: CE 0081 Ex II (1) G/D; IECEx certificate: IECEx LCI 09.0013X; SIL classification: SIL 2 according to IEC 61508 <b>Security:</b> EN/IEC 60079-0, EN/IEC 60079-11 [Ex ia] I or [Ex ia] IIC or [Ex ia] IIB [Ex iaD] I or [Ex iaD] IIC or [Ex iaD] IIB, [Ex nA] EN 60079-0, EN 60079-15

