kerberos

IP20



KET-BAX-100

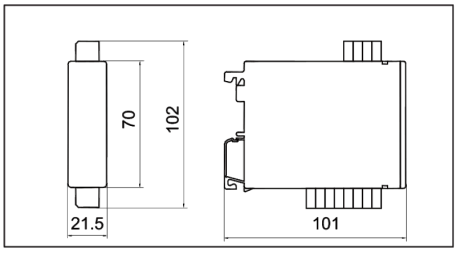
Applications

Accounting

Accessories

KET-CGT-000.00

KET-CGP-000.00



Atex barrier with galvanic isolation

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

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	**Protection Range**: IP20 **Operative Temperature**: -20 ÷ +60 °C **Storage Temperature**: -25 ÷ +70 °C **Relative Humidity**: MAX 95% not condensing
Case	**Dimensions**: 21.5 x 70 x 101 mm (W x H x D) **Mounting**: DIN-rail **Required DIN modules**: 1 DIN module **Electric Board Type**: Industrial or switchboard **Material**: ABS
Power supply	**Supply Voltage**: 110 ÷ 230 VAC ±10% (48 ÷ 62 Hz); 12 VDC ±10%; 24 ÷ 48 VDC ±10% **Consumption**: = 4.5 VA or 1.6 W **Connectors types**: Screw terminal
Digital inputs	**Channels**: 1 **Digital Inputs**: Voltage free switch or 2 wires proximity sensor
Rele' outputs	**Channels**: 2 switch outputs **Voltage Output**: 250 V @ 5 A; max 100 VA **Maximum Rated Current**: 100 mA **Isolation**: Galvanic isolation 2500 VAC 50 Hz
Certifications	**Referends Standard**: EN/IEC 61326, EN/IEC 61000-6-2, EN/IEC 61010-1 **Approvals**: 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 **Security**: 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