

### **Product Data Sheet**

## **GBX370**

#### I.S. Galvanic isolator for AS372/FA370 series

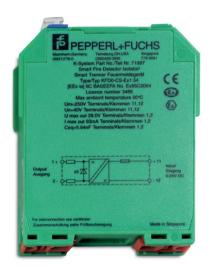
#### General

The GBX370 is a galvanic barrier specifically designed to drive sounders and beacons, which are located in intrinsic safe areas. It is recommended to be used in conjunction with the AS372, FA370 or FA370C.

#### **Application**

The GBX370 functions like a "DC to DC converter" with current limiting, set at 45 mA. The input and output are galvanically isolated from each other.

It is designed for the connection of audible alarms and visual indicators, which needs to be located in an Intrinsically safe area. This makes it ideal for use with the AS372, when a sounder needs to be installed in an Intrinsically safe area, or with the FA370/FA370C when a beacon is required.



#### **Standard Features**

- Output EEx ia IIC
- EMC acc. to NAMUR NE 21
- Up to SIL3 acc. to IEC 61508
- 45 mA Output

# **GBX370**

#### I.S. Galvanic isolator for AS372/FA370 series

#### **Specifications**

5 to 35 VDC			
7 mA at 18.5	VDC		
85 mA at 35	VDC		
1.3 W			
<= 294 ohm			
>= 22.8V			
le: >=45.3 m	le: >=45.3 mA, Ue : 9.1V		
45 mA			
-20°C to +60	)°C		
IP20			
± 100 g			
20 x 107 x 115 mm			
II (1) G D [EEx ia] IIC (-20°C <= Tamb <= 60°C)			
IIA	IIB	IIC	
2.9 microF	0.82 microF	0.107 microF	
36.02 mH	17.72 mH	4.3 mH	
	7 mA at 18.5 85 mA at 35 1.3 W  <= 294 ohm >= 22.8V le: >=45.3 m 45 mA -20°C to +60  IP20 ± 100 g 20 x 107 x 1 II (1) G D [EI  IIA 2.9 microF	<= 294 ohm >= 22.8V le: >=45.3 mA, Ue: 9.1V 45 mA -20°C to +60°C  IP20 ± 100 g 20 x 107 x 115 mm II (1) G D [EEx ia] IIC (-20°C) IIA IIB 2.9 microF 0.82 microF	

### **Ordering Information**

Part No.	Description
GBX370	I.S. Galvanic isolator for AS372/FA370 series

