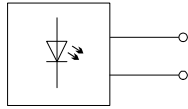


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**HAZARDOUS LOCATIONS**

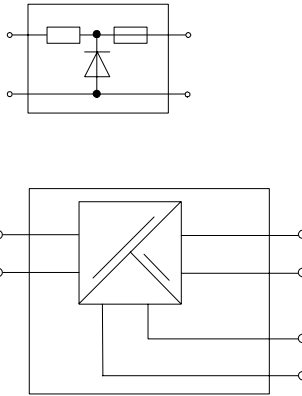
Class I, Div. 1, Groups A B C & D T4  
 or Class I, Zone 0, AEx ia IIB T4  
 or Class I, Zone 0, Ex ia IIB T4  
 or Class I, Zone 1, AEx ia IIC T4  
 or Class I, Zone 1, Ex ia IIC T4



I.S. Indicating light for panel mounting series 8013/32

**NON-HAZARDOUS LOCATIONS**

Devices with I.S. output  
 (see Certificate of the device used)



**General Information:**

The I.S. Indicating light 8013/32 consists of an enclosure which may be fitted with one or two LED's.  
 I.S. circuits are connected to this device.

**I.S. Indicating light for panel mounting series 8013/32a**

- a = 1 for cage clamp connections with protective cover or
- 2 for cage clamp connections without protective cover or
- 3 for plug connections with protective cover or
- 4 for plug connections without protective cover

Entity parameters for wiring configurations are as follows:

- V<sub>max.</sub> (U<sub>i</sub>) 28 V
- I<sub>max.</sub> (I<sub>i</sub>) 150 mA
- P<sub>max.</sub> (P<sub>i</sub>) 1 W
- C<sub>i</sub> 0 μF
- L<sub>i</sub> 0 μH

**Notes:**

1. Entity device connected in accordance with the certificate.
2. For Entity concept use the appropriate parameters to ensure the following:  
 $V_i$  or  $V_{OC} \leq V_{max}$        $C_a \geq C_i + C_{leads}$        $P_o \leq P_{max}$  or  $P_i$   
 $I_t$  or  $I_{SC} \leq I_{max}$        $L_a \geq L_i + L_{leads}$   
 If  $P_o$  of the associated apparatus is not known, it may be calculated using the formula  $P_o = \frac{V_{oc} \cdot I_{sc}}{4} = \frac{(U_o \cdot I_o)}{4}$
3. Installation should be in accordance with Article 504/505 of the *National Electrical Code*, NFPA 70, CEC section 18.
4. Use a general purpose enclosure suitable for the application.
5. Ambient temperature: -30 °C ... +55 °C (any mounting position)
6. WARNING - Substitution of Components may impair intrinsic safety.
7. WARNING - Installation and maintenance of this device should only be performed by qualified personnel in accordance with the NEC (NFPA 70) or CEC and local codes.
8. WARNING - To prevent ignition of flammable or combustible atmospheres, contact with other circuit must be avoided.

F 4830 510

				<b>Control drawing</b>				
			2007	Date	Name	Title <b>I.S. Indicating light for panel mounting series 8013/32</b>	Scale	
			Drawn	26.01.	Leiser		none	
			Appr.	26.01.	Gross		Sheet	
							1 of 1	
02	05.06.2007	Leiser					Drawing No.	Agency
01	09.02.2007	Leiser					<b>80 136 01 31 3</b>	UL
Index	Date	Drawn	Replaces:		Replaced by:		A4	