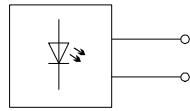


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HAZARDOUS LOCATIONS

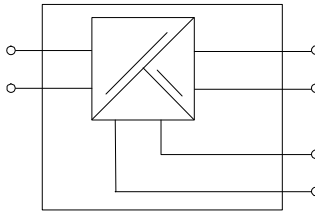
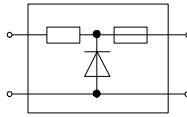
Class I, Div. 1, Groups A B C & D T4
 or Class I, Zone 0, AEx ia IIB T4 Ga
 or Class I, Zone 0, Ex ia IIB T4 Ga
 or Class I, Zone 1, AEx ia IIC T4 Ga
 or Class I, Zone 1, Ex ia IIC T4 Ga



I.S. Indicating light
 for panel mounting
 series 8018/32

NON-HAZARDOUS LOCATIONS

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



General Information:

The I.S. Indicating light 8018/32 consists of an enclosure which is fitted with one LED.
 I.S. circuits are connected to this device.

I.S. Indicating light for panel mounting series 8018/32ab

- a = 1 one normally open, one normally closed
 2 two normally closed
 3 two normally open
 b = 3 lead

Entity parameters for configurations are as follows:

	Contact	Lamp	Cable
$V_{max.} (U_i)$	$\leq 30 \text{ V}$	$\leq 28 \text{ V}$	-
$I_{max.} (I_i)$	$\leq 100 \text{ mA}$	$\leq 150 \text{ mA}$	-
$P_{max.} (P_i)$	-	$\leq 1 \text{ W}$	-
C_i	-	$0 \mu\text{F}$	200 pF/m
L_i	-	$0 \mu\text{H}$	$1 \mu\text{H/m}$

Notes:

- Entity device connected in accordance with the certificate.
- For Entity concept use the appropriate parameters to ensure the following:
 $V_t \text{ or } V_{OC} \leq V_{max}$ $C_a \geq C_i + C_{leads}$ $P_o \leq P_{max} \text{ or } P_i$
 $I_t \text{ or } I_{SC} \leq I_{max}$ $L_a \geq L_i + L_{leads}$
 If P_o of the associated apparatus is not known, it may be calculated using the formula $P_o = \frac{V_{oc} \cdot I_{sc}}{4} = \frac{(U_o \cdot I_o)}{4}$
- Installation should be in accordance with Article 504/505 of the *National Electrical Code*, NFPA 70, CEC section 18.
- Use a general purpose enclosure suitable for the application.
- Ambient temperature: $-30 \text{ }^\circ\text{C} \dots +60 \text{ }^\circ\text{C}$ (any mounting position)
- WARNING - Substitution of Components may impair intrinsic safety.
- 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.
- WARNING - To prevent ignition of flammable or combustible atmospheres, contact with other circuit must be avoided.

F 4830 510

Control drawing						
			2014	Date	Name	Title
			Drawn	16.04.	Minde	I.S. Indicating light for panel mounting series 8018/32
			Appr.			
						Scale none
						Sheet 1 of 1
						Agency UL
						Drawing No. 80 186 01 31 3
						Replaces: Replaced by:
Index	Date	Drawn				A4

