



8013/3 LED PILOT LIGHTS

CLASSIFICATIONS

For types 8013/31•

NEC- Class I, Zone 2, AEx nA IIC T6
Class I, Division 2, Groups A,B,C, & D
Class I, Zone 1, contact factory

File No. E182378

CEC- Class I, Zones 1 & 2, Ex dem IIC T6
Class I, Division 2, Groups A,B,C, & D

II 2G Ex e mb IIC (T6)
II 2D Ex tD A21 IP66 T80°C
8013/311 and 8013/313
PTB 02 ATEX 2131X
8013/312
PTB 02 ATEX 2130U

IECEX

Ex e mb IIC (T6)
Ex tD A21 IP66 T80°C
8013/311 & 8013/313
IECEX PTB 07.0010 X
8013/312
IECEX PTB 07.0012 U

CLASSIFICATIONS

For I. S. versions 8013/32•

NEC- Class I, Zone 0, AEx ia IIB T4
Class I, Zone 1, AEx ia IIC T4
Class I, Division 1, Groups A,B,C, & D
CEC- Class I, Zone 0, Ex ia IIB T4
Class I, Zone 1, Ex ia IIC T4
Class I, Division 1, Groups A,B,C, & D

Environmental Protection 3, 4, 4X; IP66 Front, depending on enclosure (see table – “Enclosure Type Rating For Installation”)

Ambient Temperature Range:

+60°C (+140°F) Max.
-30°C (-22°F) Min.

II 2G Ex d mb ia IIC (T6)
8013/321 & 8013/323
PTB 02 ATEX 2131X
8013/322
PTB 02 ATEX 2130U

IECEX

Ex d mb ia IIC (T6)
8013/321 & 8013/323
IECEX PTB 07.0010 X
8013/322
IECEX PTB 07.0012 U

FEATURES:

The 8013/3 Series of Pilot Lights are available for standard – and I.S. application. The Pilot Lights for standard application 8013/31•-al are capable to work on voltages between 12V up to 254V AC/DC. The types 8013/32•-al are for connection with intrinsically safe circuits only and operate safely within the values stated in the above table “Intrinsic Safety Ratings Entity Parameters”.

The installation should be in accordance with ANSI/ISA RP 12. 06. 01. Recommended Barrier: 9002/13-252-121-041

Technical Data

Material - Enclosure	Polyamide
Material - Bezel/Lens	Polyamide
Mechanical/Electrical Life	10 ⁵ Output Hours
Rated Voltage - Standard	12V to 254V AC or DC 0-60 Hz
Rated Voltage - I. S.	10.8V to 28V AC or DC
Rated Current	14 mA at 24V DC
Rated Power	0.6W
Colors	red, amber, green, blue and white
Wire Leads	2 Core, 18 AWG
Terminal Capacity	2 x 18 to 2 x 12 AWG per terminal
Enclosure Knock-out	30.5 mm or 1.2" I.D.



Intrinsic Safety Ratings Entity Parameters	
V max	28V
I max	150 mA
P max	1W
Li	0
Ci	0

Enclosure Type Rating For Installation

Area Classification of Use	Pilot Light I.S. 8013/32•	Pilot Light with Cap 8013/3•1 or with Cap & Lead 8013/3•3	Pilot Light with Cage Clamps 8013/3•2 (without Cap)
Class I, Div. 1, I.S. Class I, Zone 0, I.S.	Enclosure Types 4, 4X, 12 or 13		
Class I, Zone 1		Enclosure Types [Ⓔ] 1, 2, 3, 3R, 4, 4X, 12 or 13	Increased Safety Enclosure
Class I, Division 2 Groups A,B,C & D		Enclosure Types 4, 4X, 12 or 13	

[Ⓔ]Terminate in "Increased Safety" Enclosure.

Ordering Information

Connection Options	Applications		
	With Cage Clamps & Cap	With Cage Clamps	With Cap & 20' feet Lead
Descriptions	C A T A L O G N U M B E R		
Standard - 12V to 254V AC/DC	8013/311-al	8013/312-al	8013/313-al-6
For I.S. Circuits 10.8V to 28V AC/DC	8013/321-al	8013/322-al	8013/323-al-6

