PanSiG Series Panel Mounted Control Devices

8415 LED PILOT LIGHT ASSEMBLY

CLASSIFICATIONS
For Pilot Light 8010/2 and Bezel 8602
NEC- Class I, Zones 1 & 2, AEx de IIC T6
Class I, Division 2, Groups A,B,C,D
Class II, Division 2, Groups F,G
Class III

File No. E182378

CEC- Class I, Zones 1 & 2, Ex de IIC T6
Class I, Division 2, Groups A,B,C,D
Class II, Divisions 1 & 2, Groups E,F,G
Class III

Certified File No. LR99480

II 2G Ex de IIC
PTB 01 ATEX 1160 U
PTB 01 ATEX 1129 U

CLASSIFICATIONS
For I. S. Pilot Light 8010/3 and Bezel 8602
NEC- Class I, Zone 0, AEx ia/ib IIB T4
Class I, Zone 1, AEx ia/ib IIC T4
Class I, Division 1, Groups A,B,C,D

CEC- Class I, Zone 0, Ex ia/ib IIB T4
Class I, Zone 1, Ex ia/ib IIC T4
Class I, Division 1, Groups A,B,C,D

File Nos. E81680 and E182378

II 2G Ex d ia/ib IIC
PTB 01 ATEX 1160 U
PTB 01 ATEX 1129 U
IECEx
Ex d ia/ib IIC
IECEx PTB 06.0016 U
IECEx PTB 06.0016 U

Ambient Temperature Range:
+55°C (+131˚F) Max.
–25°C (–13˚F) Min.

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

FEATURES:
The 8415 Pilot Light assembly consists of an LED/power pack 8010/3, one mounting bracket and one bezel/lens assembly. Five different colors are available: red, green, amber, white and blue.

The 8415 Pilot Light assemblies are available for power circuits – and intrinsically safe circuits. The types for power applications 8415/24 are capable to work on voltages between 12V up to 254V AC/DC.

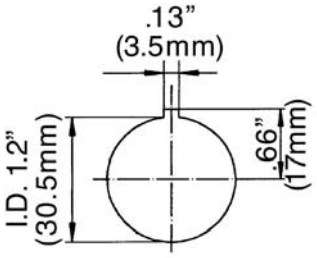
The types 8415/24-50 are for connection with intrinsically safe circuits only, and operate safely within the values stated in the above table "Intrinsic Safety Rating Entity Parameters".

The installation should be in accordance with ANSI/ISA RP 12. 06. 01. and control drawing 80 106 01 31 3.

Recommended Barrier:
9002/13-252-121-041.

Technical Data

Mechanical/Electrical Life	10^5 Output Hours
Rated Voltage - Standard	12V to 254V AC or DC 0-60 Hz
Voltage Tolerance	-10% +6%
Rated Voltage - I. S.	10 8V to 28V AC or DC
Rated Current	15 mA at 24V DC
Rated Power	1W max.
Colors	red, amber, green, blue andwhite
Terminal Capacity	2 x 12 AWG (2 5mm²)
Enclosure Knock-out	30.5 mm or 1.2" I.D.
Enclosure/Lens Material	Polyam de



Knockout for 8415

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
Class I Zone 1	Enclosure AEx e/Ex e
Class I Div. 1, Zone 0 I.S.	Enclosure Type 1, 2, 3, 3R, 4, 4X, 12, 13
Class I Division 2 Groups A, B, C, D	Enclosure Type 1, 2 ,3, 3R, 4, 4X, 12, 13
Class II Division 1 Groups E, G	Enclosure Type 3, 4, 4X, 12, 13
Class II Division 2 Groups E, G	Enclosure Type 3, 4, 4X, 12, 13
Class III	Enclosure Type 3 ,4, 4X, 12, 13

Ordering Information

PILOT LIGHT	LENS COLORS	CATALOG NUMBER
Standard 12V to 254V AC/DC	red	**8415/24-R-9**
	green	**8415/24-G-9**
	amber	**8415/24-A-9**
	white	**8415/24-W-9**
	blue	**8415/24-B-9**
For I.S. Circuits 10.8-28V AC/DC	red	**8415/24-50-R-9**
	green	**8415/24-50-G-9**
	amber	**8415/24-50-A-9**
	white	**8415/24-50-W-9**
	blue	**8415/24-50-B-9**