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doc. Nr. 2014 SA001 DEKD

Waldenburg,
06.02.2015

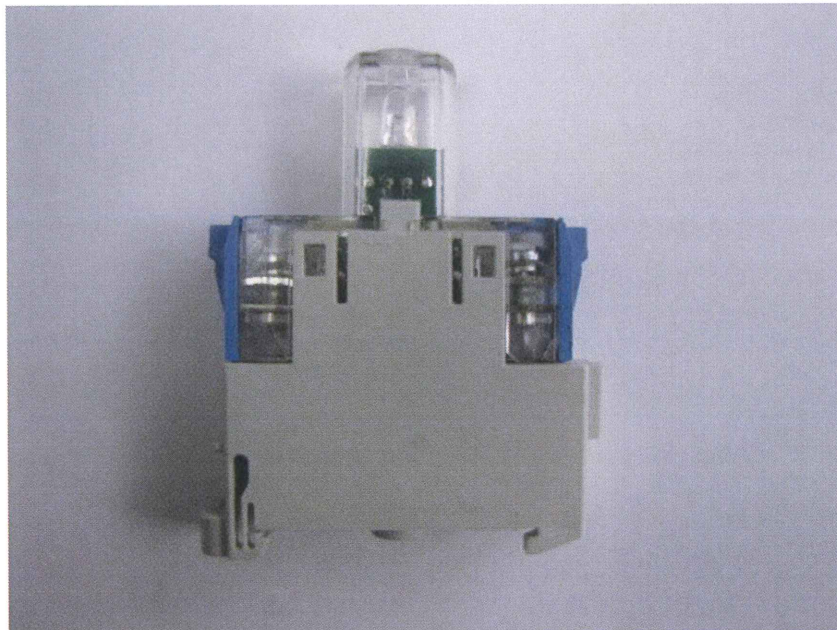
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Verification as simple apparatus for R.STAHL Indicating Lamp 8010/C1661

Based on EN 60079-11:2012, chapter 5.7 the R.STAHL Indicating Lamp 8010/C1661 can be used as a simple apparatus.



Remarks EN 60079-11:2012, chapter 5.7


- the type "8010/C1661" contains no voltage limiting and / or current limiting and / or protective devices (See vendor documentation).
- the type "8010/C1661" contain no devices to increase the available voltage and available current.(see vendor documentation).
- the type "8010/C1661" maintains the integrity of the isolation from earth of the intrinsically safe circuit, it withstands the test voltage to earth (500VAC) in accordance with 6.3.13. Its terminals are according to 6.2.1.
- the type "8010/C1661" shall be accommodated in an enclosure that meets the requirements of an approved type of protection as specified in EN 60079-0:2012 chapter 1.
- the type "8010/C1661" shall be used with a lense or an actuator for illuminated pushbuttons type 8602 from R.STAHL.
- the devices Inside the type "8010/C166" are fulfilling the requirements according to EN 60079-0:2009, chapter 5.3.3 table 3a and 3b, for classification in T4 with $T_a \leq 80^\circ\text{C}$ with a $P_i = 35\text{mW}$.
According to the manufacturer limitations of the devices, the maximum ambient temperature will be $-30^\circ\text{C} \leq T_a \leq 65^\circ\text{C}$
- According to EN 60079-28:2007, chapter 5.2.2 Continuous wave radiation. Optical powers or optical irradiances shall not exceed the values listed in table 2, Categorized by apparatus group and temperature class.
For IIC, T4 the maximum Power is 35mW.
- the values C_i and L_i of the type "8010/C1661" are negligible.

Summarization:

the type "8010/C1661" can be classified to be used for:
EPL Gb, IIC, $P_i = 35\text{mW}$, temperature class T4 $-30^\circ\text{C} \leq T_a \leq 65^\circ\text{C}$



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