



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS02ATEX2006X Issue 1

13. Description of Equipment or Protective System

The BEKA BA386 LED Beacon is designed to produce a visual warning in the hazardous area. The BA386 may come in red, green, amber, blue, white or special colour models. The equipment includes a three printed circuit boards housed within a two-parts plastic enclosure, a translucent lens and a back box. The enclosure provides a degree of protection of at least IP20. Intrinsic safety is assured by limitation of voltage, current and power, limitation of capacitance and infallible segregation.

The BA386 LED Beacon may alternatively be identified as an LI 01 L-IS-C LED Beacon.

The maximum intrinsically safe input parameters are as follows:

Power supply PL2 terminals 1 and 2:

$U_i = 28V$ dc

$I_i = 110mA$ dc

$P_i = 0.8W$

The equivalent parameters are:

$C_i = 0$

$L_i = 0$

Optional Sounder PL2 terminals 3 and 4

$U_o = 28V$ dc

$I_o = 110mA$ dc

$P_o = 0.8W$

The equivalent parameters are:

$C_i = 0$

$L_i = 0$

Optional Alarm Accept Switch PL 1 terminals 5 and 6

$U_o = 16.8V$ dc

$I_o = 1.6mA$ dc

$P_o = 7.0mW$

The equivalent parameters are:

$C_i = 0$

$L_i = 0$

14. Report Number

Intertek Report Ref 01006218, dated March 2002

Intertek Report Ref 103015675LHD-001 Issue 1 dated December 2017

15. Special Conditions of Certification

(a). Specific Conditions of Safe Use

- The equipment includes exposed unearthed metal label. Metallic label can present capacitance of up to 6pF with reference to earth. It is the responsibility of the user to determine the suitability of the equipment for its intended application.
- When installed in potentially explosive atmosphere requiring apparatus of Category 1G, the equipment shall be installed such that even in the event of rare incidents, an ignition source due to impact or friction between aluminium label and other iron/steel parts is excluded.

(b). Conditions of Manufacture - Routine Tests

- None.



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16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report Ref 103015675LHD-001 Issue 1 dated December 2017.

17. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
BA386 Certification Information (sheets 1 to 10)	CI386-01	1	Nov. 01

18. Details of Certificate changes Issue 1

Modifications to the product covered under Issue 1:

- Update to the latest standards EN 60079-0:2012 + A11:2013 and EN 60079-11:2012
- Addition of standard EN 60079-28:2015 for protection of equipment and transmission systems using optical radiation
- Update to the documentation to reflect new requirements
- Addition of Specific Condition of Use related to capacitance of the unearthed metallic label and impact hazard for aluminium label.

Title:	Drawing No.:	Rev. Level:	Date:
Certification information for BA386 LED beacon (10 sheets)	CI386-01	2	Apr 17