



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

IS-A105N Sounder

IS / I / 1 / ABCD / T4 Ta = 60°C - Entity - D4528; IP66
I / 0 / AEx ia / IIC / T4 Ta = 60°C - Entity - D4528; IP66

Entity parameters

Terminals "+" and "-"

$U_i = 28\text{ V}$, $I_i = 93\text{ mA}$, $P_i = 660\text{ mW}$, $C_i = 0$, $L_i = 0$

Terminals S2 and S3 to "-"

$U_i = 28\text{ V}$, $I_i = 0$, $C_i = 0$

$U_o = 16.8\text{ V}$, $I_o = 7.23\text{ mA}$, $P_o = 31\text{ mW}$

Special Conditions of Use

1. To avoid a possible electrostatic charge only clean with a damp cloth

Equipment Ratings:

Intrinsically safe, with entity parameters, for use in Class I, Division 1, Groups A, B, C, D and Class I, Zone 0, Group IIC, in accordance with Control Drawing No. D4528, Hazardous (Classified) Locations indoor/outdoor (IP66).

FM Approved for:

European Safety Systems Limited
Acton, London United Kingdom



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3610	2010
Class 3810	2005
IEC 60529	1989

Original Project ID: 3023735

Approval Granted: April 5, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
061130	December 12, 2006		
3054106	November 24, 2014		

FM Approvals LLC

J.E. Marquedant
Manager of Electrical Systems

24 November 2014

Date