



# Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

**PRODUCER** Baumer A/S  
Aarhus V, Denmark

**PLACE OF PRODUCTION** Baumer A/S  
Aarhus V, Denmark

**DESCRIPTION** Sealed Level Switch for installation in hazardous areas.

**TYPE** LBFS abcd e (f)

a	0	Standard	
	1	Ex ia IIC T5	ATEX II G (gas)
	2	Ex ta IIIC T100 Da	ATEX II 1D (dust)
	3	Ex nA II T5	ATEX II G
	4	Ex ia IIC T5 /Ex ta IIIC T100 Da	Combined gas and dust
	A	UL Listed, E36692	

b	1	Plug, M12, plastic with LED
	2	Cable 5 meter
	3	Plug, M12 Stainless Steel without LED

c	1	G1/2"	
	2	G3/4"	
	3	G1"	
	4	G1/2" hygienic 3A/EHEDG	
	5	G1/2" for reverse assembly	
	7	M18x1	

d	1	Stainless Steel 1.4301 - AISI 304
	2	Stainless Steel 1.4404 - AISI 316L


**Certificate No.** 14/70001

**Issue Date** 27 October 2014

**Expiry Date** 26 October 2019

**Sheet** 1 of 2

Lloyd's Register EMEA  
Strandvejen 104A, DK-2900 Hellerup Denmark

  
V. M. Boisen  
Copenhagen Tech. Support Office

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e	1	PNP output
	2	NPN output

f	1	No configuration
	2	Configuration to customer specification

**APPLICATION**

Marine and Offshore applications for use in environmental categories ENV1; ENV2, ENV3, ENV4 and ENV5 as defined in LR Test Specification No.1, 2013 in where the Test Specification is satisfactory for the intended operation

**ADDITIONAL TESTS**

Ingress protection to IP67

**EX-CERTIFICATION**

**For NPN output type: two channel zener barrier  
Isolation module PROFSI3-B2500-AGL-LS used with PNP output.**

**STANDARD**

Manufacturer's standard  
IACS E10  
IEC 60945

**RATINGS**

Power supply, 18 Vdc (12Vdc to 30Vdc)

**OTHER CONDITIONS**

Type Approval of products according to LR Test Specification No. 1 is **Essentially** test of hardware. Examination of software aspects is restricted to verify function tests as demonstrated in the Performance Test.  
Where installed in gas hazardous zones 0 or 1 the instrument shall be protected By barriers located in safe areas..

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No.TA14/70001 and its supplementary Type Approval Terms and Conditions form part of this Certificate*

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