

1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa14ATEX0126**

4 Equipment or Protective System: **A Type YL6S Visual and Audible Alarm**

5 Manufacturer: **R. Stahl Schaltgerate GmbH**

6 Address: **Am Bahnhof 30, 74638 Waldenburg (Wurtf.), Germany.**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR14.0137/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0: 2012

EN 60079-1: 2007

IEC 60079-31: 2013

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**⊕ II 2 G D Ex d IIB T* Ta -60°C to +70°C Gb or Ex d IIC T* Ta -60°C to +70°C Gb
Ex tb IIIC T***°C Ta -60°C to +70°C Db IP66**

Baseefa Customer Reference No. **6645**

Project File No. **09/0590**

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R S Sinclair
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GENERAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa14ATEX0126

15 Description of Equipment or Protective System

The type **YL6S Visual and Audible Alarm** comprises a glass reinforced polyester base and cover. The cover is provided with a glass transparent lens, a plain or Fresnel outer lens which can be in a number of colours, and a guard. The cover also contains printed circuit boards providing the driver for a xenon lamp rated at 5J. The flash rate is 1 per second.

The base has a sound driver rated at 10W, an integral re-entrant horn, and provision for cable entries mounting holes and a mounting bracket.

The type YL6S Visual and Audible Alarm is rated at 24Vdc, 48Vdc, 115Vac and 230Vac. 50W.

The type **YA6S Audible Alarm** is similar to the above but the lens cover is replaced with a flat cover and is rated 24Vdc, 48Vdc, 115Vac and 230Vac. 10W.

The type **FL6S Visual Alarm** is similar to the type YL6S Visual and Audible Alarm but with the base unit replaced with one without the integral horn and provided with a flat cover. The V6S visual alarm is rated 24Vdc, 48Vdc, 115Vac and 230Vac. 40W.

The temperature classification, maximum surface temperature, ambient temperature range, and cable temperature rise is indicated in the tables below.

YL6S Visual and Audible Alarm				
Power and Voltage	Temperature Classification	Maximum Surface Temperature	Ambient Temperature Range	Cable Temperature Rise (K)
5J 24Vdc	T5	T95°C	-60°C to + 40°C	38
	T4	T110°C	-60°C to + 55°C	
5J 48Vdc	T5	T95°C	-60°C to + 40°C	38
	T4	T110°C	-60°C to + 55°C	
5J 115Vac	T5	T95°C	-60°C to + 40°C	38
	T4	T110°C	-60°C to + 40°C	
5J 240Vac	T5	T95°C	-60°C to + 40°C	38
	T4	T110°C	-60°C to + 55°C	

YA6S Audible alarm				
Power and Voltage	Temperature Classification	Maximum Surface Temperature	Ambient Temperature Range	Cable Temperature Rise (K)
24Vdc/ 48Vdc	T6	T75°C	-60°C to + 70°C	5
115Vac/ 240Vac	T6	T77°C	-60°C to + 60°C	17
	T5	T87°C	-60°C to + 70°C	

FL6S Visual alarm				
Power and Voltage	Temperature Classification	Maximum Surface Temperature	Ambient Temperature Range	Cable Temperature Rise (K)
5J 24Vdc	T6	T73°C	-60°C to +40°C	20
	T5	T88°C	-60°C to +55°C	
	T4	T103°C	-60°C to +70°C	
5J 48Vdc	T6	T73°C	-60°C to +40°C	20
	T5	T88°C	-60°C to +55°C	
	T4	T103°C	-60°C to +70°C	
5J 115Vac	T5	T83°C	-60°C to +40°C	40
	T4	T113°C	-60°C to +55°C	
5J 240Vac	T6	T75°C	-60°C to +40°C	30
	T5	T90°C	-60°C to +55°C	
	T4	T105°C	-60°C to +70°C	

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with suitable certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component) under an EC Type Examination Certificate to Directive 94/9/EC.

When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure.

16 Report Number

GB/BAS/ExTR14.0137/00.

17 Specific Conditions of Use

None

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Issue	Date	Description
YL6S00000010	00	2013.11.05	Description
YL6S00000030	0	07.05.14	General Assembly
YL6S00000100	0	12.06.14	Body
YL6S00000050	0	02.09.2013	Flange
YL6S00000090	0	04.03.2014	End Cap
YL6S00000060	0	04.03.2014	Glass Lens
YL6S00000070	0	04.03.2014	Fresnel Lens
YL6S00000080	0	07.05.2014	Glass Lens Clamp Ring
YL6S00000040	0	07.05.2014	Certification Label

These drawings are common to and held with IECEx BAS 14.0064.

TRANSFER REGISTRATION (6645)

This is to certify that the following transfer has been completed:

Holder of certificate: **Stahl Schalgerate GmbH**
Am Bahnhof 30, Waldenburg, 74638, Germany

Transfer Details: The certificates listed below have been transferred

From: **SGS Baseefa Ltd**, Rockhead Business Park, Staden Lane, Buxton, Derbyshire, SK17 9RZ, UK
(EU Notified Body Number: 1180)

To: **SGS Fimko Oy**, Särkiniementie 3, P.O. Box 30, FI-00211, Helsinki, Finland
(EU Notified Body Number: 0598)

Certificates affected: 02ATEX1190X, 02ATEX1248X, Baseefa02ATEX0212X, Baseefa02ATEX0222X, Baseefa08ATEX0189X, Baseefa08ATEX0191X, Baseefa08ATEX0194X, Baseefa08ATEX0269X, Baseefa10ATEX0252X, Baseefa13ATEX0006, Baseefa13ATEX0007X, Baseefa14ATEX0126, Baseefa14ATEX0360X, Baseefa14ATEX0360X, 99ATEX2006, Baseefa05ATEX0075X

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