



国家防爆

Electrical Apparatus for Explosive Atmospheres

# CERTIFICATE OF CONFORMITY

Cer. No.: CNEx15.1399

**Manufacturer** R. STAHL Schaltgeräte GmbH  
(Am Bahnhof 30, 74638 Waldenburg , Germany)

**Name of Product** Optical beacon (strobe signal light)

**Type of Product** 6161/\*\_\*\*\_\*\*\*

**Marking** Ex d e II C T\* Gb, Ex tD A21 IP66 T\*

**Standard** \_\_\_\_\_

**Drawing No.** \_\_\_\_\_

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

- GB 3836.1-2010 Explosive atmospheres - Part 1: Equipment - General requirements
- GB 3836.2-2010 Explosive atmospheres - Part 2: Equipment protection by flameproof enclosure "d"
- GB 3836.3-2010 Explosive atmospheres - Part 3: Equipment protection by increased safety "e"
- GB12476.1-2013 Electrical apparatus for use in the presence of combustible dust - Part 1: General requirements
- GB12476.5-2013 Electrical apparatus for use in the presence of combustible dust - Part 5: Protection by enclosures "tD"

**Note** See the appendix (total 3 pages).

**Valid Date** From May 18, 2015 to May 17, 2020

**Issue Date** May 18, 2015

**Director** 



**CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS**

**Address:** No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China  
**Tel:** 0377-63258564 **Fax:** 0377-63208175 **Http://www.china-ex.com**



Note: This certificate is only valid for the products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s).





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1. This product has been certified by LCIE, certificate No. LCIE 02 ATEX 6062X/03, IECEx LCI 08.0032X.
2. EQUIPMENT:  
Equipment and systems covered by this certificate are as follows:  
Type 6161/2-1...-...:  
Strobe signal light with polycarbonate lens. All working positions. The apparatus including the following components: lamp, printed circuit and junction block.  
Type 6161/3-...-...:  
The type 6161/3 is identical to the type 6161/2 except that it includes the light unit with LED's.  
Type 6161/8-7-... and type 6161/8-8-...:  
The types 6161/8-7-... and 6161/8-8-... are identical to the type 6161/2 except that they can be connected respectively to a WLAN device or a Bluetooth device.
3. ROUTINE VERIFICATIONS AND TESTS  
The "d" compartment of the equipment is exempted of individual test.  
In "e" compartment, each exemplary of the equipment must be submitted successfully to a dielectric strength test as set forth by the dispositions of paragraph 7.1 of GB3836.3-2010 standard.
4. CONDITIONS OF CERTIFICATION: YES as shown below:  
When the optional guard is not installed, the apparatus shall be submitted to low mechanical impact only.
5. Complete marking:  
STAHL  
Address : ...  
Type: 6161/...  
Serial number: ...  
Year of construction : ...  
 $-40^{\circ}\text{C} \leq \text{Tamb} \leq ^{\circ}\text{C}$   
WARNING - DO NOT OPEN WHEN ENERGIZED  
WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT<sup>11</sup>  
WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD - See instructions.  
\*See table

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Temperature class:

Type	Tamb	Temperature Class	
		Gas	Dust
6161/2	+40°C	T6	T85°C
	+50°C	T5	T100°C
6161/3	+40°C	T6	T65°C
	+50°C	T6	T75°C
6161/8-.7 & 6161/8-.8	+60°C	T6	T80°C

### 6. Electrical ratings :

Rated voltage for type 6161/2:

12 V to 48 V ± 10 % DC

24 V ± 10 % DC

24 V to 42 V ± 10 % AC (50/60 Hz)

60 V to 80 V ± 10 % DC or 42 to 48 VAC

110 V to 127 V ± 10 % AC (50/60 Hz)

230 V ± 10 % AC (50/60 Hz)

Rated voltage for type 6161/3:

230 V(50/60 HZ)

Rated voltage for type 6161/7 & /8:

24VDC

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7. List of models:

6161/*_**_***	/*	**	***
Type series	Version	Electrical rating	Additional information without reference to explosion- protection
	2 - Electronic flash lamp 3 - LED 8 - wireless, USB	1- 230 VAC 3- 110-127 VAC 4- 60-80 VDC or 4-48 VAC 5- 24 VDC 6- 12-48 VDC and 24-42 VAC	
		Flashing energy	
		0-continuous light LED 1-5J 7-WLAN 8- Bluetooth	
		Lens color	
		Lens material	
		2 - polycarbonate	

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