

(1) **EU - Type Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**

(3) EU - Type Examination Certificate Number

EPS 15 ATEX 1 114

Revision 4

(4) Equipment: LED Floodlight Type 6125

(5) Manufacturer: R. STAHL Schaltgeräte GmbH.

(6) Address: Am Bahnhof 30
74638 Waldenburg
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment 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 of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 15TH0340.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-1:2014

**EN IEC 60079-7:2015
EN IEC 60079-7:2015+A1:2018**

EN 60079-28:2015

EN 60079-31:2014

IEC 60079-31:2022

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 2G Ex db eb op is IIC T4 Gb

II 2D Ex tb op is IIC T80°C / T95°C / T100°C Db



Certification department of explosion protection

Tuerkheim, 2024-04-22

Ulrich Feike

Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

(13)

Annex

(14) **EU - Type Examination Certificate EPS 15 ATEX 1 114**

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(15) Description of equipment:

The LED Floodlight series 6125 is an explosion-proof electrical luminaire with LEDs protected by flameproof enclosure situated inside an increased safety enclosure. They are suitable for illumination of operating and storage facilities in hazardous areas for use in Equipment Protection Level Gb, Gc, Db and Dc.

Enclosure rating according to EN 60529: IP66

Type designation:

6125	/	*	*	*	*	-	*	*	*	*	_****_***
a		b	c	d	e		f	g	h	i	j

- a Type series
- b Generation
1 – 1.
2 – 2.
- c Ex - Protection
1 – IIC
- d Size in Height
1 – 600
2 – 520
- e Light Distribution
1 – 20°
2 – 40°
4 – 120°
- f Wattage
1 – 100 W
2 – 120 W
3 – 160 W
4 – 210 W / 190 W
5 – 225 W
- g LED - Driver
1 – 1x OT 150
2 – 2x OT 150
3 – 1x OT 165
4 – 2x OT 165
5 – 6040
6 – 6040 with DALI
- h Control gear assembly
* – without reference to explosion-protection
- i Thermal protection
0 – without
1 – with
- j additional information without reference to explosion-protection

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Ambient temperature and temperature classification:

Version	Power	Ambient Temperature	Temperature Class	Maximum Surface Temperature	Special requirements to operating temperature for loop in loop out		
					0A < I ≤ 10A	10A < I ≤ 16A	
					to cables	to cables	to cable glands
6125/1...	120 W / 210 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T4	+95°C	---	---	---
	120 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$		+80°C	---	---	---
	210 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$		+80°C	---	---	---
6125/2...	100 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T4	+100°C	---	≥95°C	≥85°C
		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$		+100°C	---	≥85°C	≥75°C
	160 W / 120 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$		+100°C	≥70°C	≥100°C	≥85°C
		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$		+100°C	---	≥90°C	≥80°C
	225 W / 190 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$		+100°C	≥75°C	≥95°C	≥85°C
		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$		+100°C	---	≥85°C	≥80°C

1) Lamp start at $T_a \geq -40^{\circ}\text{C}$

(16) Reference number: 15TH0340

(17) Special conditions for safe use:

None

(18) Essential health and safety requirements:

Met by compliance with standards.



Tuerkheim, 2024-04-22