

# (1) TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) Type-Examination Certificate Number

**TÜV 11 ATEX 7008**

Issue: 05

(4) Equipment: **Floodlight**  
**Type 6521/4\*\*\*\_\*\*\_\*\*\***

(5) Manufacturer: **R.STAHL Schaltgeräte GmbH**  
(6) Address: **Am Bahnhof 30**  
**D - 74638 Waldenburg Germany**

(7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26<sup>th</sup> February 2014, certifies this product which 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 atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex785.06/10

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

**EN 60079-0: 2012 + A11:2013      EN 60079-15: 2010**

(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 schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

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



**II 3 G Ex nRc IIC Tx**

or



**II 3 G Ex nR IIC Tx Gc**

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2017-09-04

Dipl.-Ing. Klauspeter Graffi

This Type Examination Certificate without signature and stamp shall not be valid.  
This Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the  
TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln  
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) **Type Examination Certificate**  
**TÜV 11 ATEX 7008**

Issue: 05

(15) Description of equipment

15.1 Equipment and type:

**Floodlight**  
**Type 6521/4\*\*\*-\*\*-\*\*\***

Floodlight		Type 6521 / 4	1	1	2	-	1	10	-	***
Size		1								
		2								
		3								
Reflector	symmetrical broad beamed	1								
	symmetrical narrow beamed	2								
	asymmetrical	3								
Lamp Holder	E27	1								
	E40	2								
Lamp	Halogen	1								
	Metal-halide HIT	2								
	High pressure sodium HST	3								
	Metal-halide HIT/HST	6								
Power	70 W	07								
	100 W	10								
	150 W	15								
	200 W	20								
	250 W	25								
	400 W	40								
	500 W	50								
	600 W	60								
1000 W	11									

Additional numbers, not relevant for the certification

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## 15.2 Description / Details of Change

### General product information

The floodlight type 6521/4 of sheet steel is designed for the use in explosive gas atmospheres of Zone 2 or in areas with combustible dust of Zone 21 and Zone 22.

### Details of Change:

The scope of the 5<sup>th</sup> supplement to TÜV 11 ATEX 7008 is

- The ambient temperature range for the type 6521/4\*\*\*-\*\*-\*\*\* was enlarged from +40°C to 60°C.
- Standard update of EN 60079-31.
- Cancellation of the standard EN 60079-28, because those lamps are explicitly canceled from the scope of this standard.

### Technical Data

#### Electrical:

Rated voltage	up to 250 V
Frequency	50/60 Hz
Cable cross section	0,75 to 6 mm <sup>2</sup>

#### Ambient Temperature:

See variation of temperature code.

An ambient temperature outside the range of -20 °C to +40°C will be marked on the product. If the low temp ignitor is used, an ambient temp of down to -50°C is allowed.

QT	= Halogen bulb
HIE or HIT	= Halogen metal vapour lamp
HSE or HST	= High pressure Sodium vapour discharge lamp

#### Variation and Temperature Code:

##### Type 6521/41

Lamp	Power	Temperature Code		
		T <sub>a</sub> 40 °C	T <sub>a</sub> 50 °C	T <sub>a</sub> 60 °C
QT	<= 150 W	T3	T3	T3
QT	<= 250 W	T2	T2	T2
HIE/HIT or HSE/HST	<= 70 W	T4	T3	T3
HIE/HIT	<= 100 W	T3	T3	T3
HIE/HIT	<= 150 W	T3	-	-

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**Type 6521/42**

Lamp	Power	Temperature Code		
		T <sub>a</sub> 40 °C	T <sub>a</sub> 50 °C	T <sub>a</sub> 60 °C
QT	<= 500 W	T3	T3	T2
HSE/HST	<= 150 W	T4	T3	T3
HIE/HIT oder HSE/HST	<= 250 W	T3	T3	T3

**Type 6521/43**

Lamp	Power	Temperature Code		
		T <sub>a</sub> 40 °C	T <sub>a</sub> 50 °C	T <sub>a</sub> 60 °C
QT	<= 500 W	T3	T3	T3
QT *)	<= 1000 W	T2	T2	T2
HIE/HIT or HSE/HST	<= 250 W	T4	T3	T3
HIE/HIT or HSE/HST	<= 400 W	T3	T3	T3
HSE/HST	<= 600 W	T3	T2	T2

\*) observe special installation instructions in operating manual or

Lamp	Power	Temperature Code		
		T <sub>a</sub> 45 °C	T <sub>a</sub> 50 °C	T <sub>a</sub> 60 °C
HSE/HST	<= 600 W	T3	T2	T2

(16) Test-Report No. 557/Ex785.06/10

(17) Special Conditions for safe use

None.

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(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2017-09-04

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