



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX PTB 06.0094** Issue No.: **0**

Status: **Current**

Date of Issue: **2006-11-01** Page **1** of **3**

Applicant: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg (Württ.)
Germany

Electrical Apparatus: **Y-distribution box, type 8592/...-... and Y-distribution element, type 8593/-.....-**
Optional accessory:

Type of Protection: **Flameproof Enclosure "d", Increased Safety "e" and Protection by Enclosures "tD"**

Marking: **Ex de IIC T6 resp. T5**
Ex tD A21 IP66 T 80 °C resp. T 95 °C

*Approved for issue on behalf of the IECEx
Certification Body:*

Dr.-Ing. Uwe Klausmeyer

Position:

Head of Section "Flameproof Enclosure"

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Physikalisch-Technische
Bundesanstalt (PTB)**

Bundesallee 100
38116 Braunschweig
Germany





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

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/PTB/ExTR06.0098/00](#)

Quality Assessment Report:

[DE/PTB/QAR06.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The Y-distribution box, type 8592/...-...-... and Y-distribution element, type 8593/-.....-..., have a polyamide enclosure designed to type of protection Increased Safety "e".

The Y-distribution box, type 8592/...-...-..., has two mounted or two separately certified cable entries and a – separately certified – appliance connector, or a flange-mounting socket outlet designed to type of protection Increased Safety "e" and Flameproof Enclosure "d". Inside the enclosure there is a terminal block, or the cables are connected direct at the appliance connector or the flange-mounting socket outlet.

The Y-distribution element, type 8593/-.....-..., is provided with three – separately certified – appliance connectors or flange-mounting socket outlets. Inside the enclosure there is a terminal block, or the plug-and-socket connectors are connected directly.

Nomenclature

Y-distribution box	Type	8592/abc-de-fghi
a	Number of poles	
b	Design 1 = Plug 2 = Socket-outlet	
c, d, e, f, g, h, i	numerals or letters without influence to explosion-protection	

Y-distribution element	Type	8593/a-bcdefg-hi
a	Design 8 = Plug-Socket-Socket 9 = Socket-Plug-Socket	
b, c, d, e, f, g, h, i	numerals or letters without influence to explosion-protection	

Technical data

Rated voltage	up to	250 V
Rated current	max.	9.3 A (with terminal block)
	max.	11 A (without terminal block)
Rated cross section	max.	0.34 mm ² to 1.5 mm ² , finely stranded
	max.	0.34 mm ² to 0.75 mm ² , extra finely stranded
Cable diameter		4 mm to 11 mm
Ambient temperature range		subject to plug and socket system used -55 °C to +40 °C -55 °C to +75 °C
Protection against contact, foreign bodies and water		IP66 in accordance with IEC 60529

Rated values are maximum values, the actual electrical values are determined by mounted electrical apparatus. Within these limiting values complying with the appropriate standards the manufacturer specified the final limiting values.

CONDITIONS OF CERTIFICATION: NO