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 05.0024 issue No.:2

Certificate history:
Issue No. 2 (2010-8-9)
Issue No. 1 (2006-1-31)

Status: **Current**

Date of Issue: **2010-08-09** Page 1 of 4

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

Electrical Apparatus: **Plug-and-socket-device, type 8571/..-…**
Optional accessory:

Type of Protection: **Flameproof enclosure “d”, Increased Safety “e”, Protection by enclosure “tD”**

Marking: **Ex de IIC T6 or T5**
resp.
Ex de [ia] IIC T6 or T5
Ex tD A21 IP 66 T60 °C or T75 °C
Tamb - 50 °C to 55 °C

Approved for issue on behalf of the IECEx Certification Body: Dr. Ing. Uwe Klausmeyer

Position: Head of Section "Flameproof Enclosures"

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.

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
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 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by 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/ExTR10.0044/00

Quality Assessment Report:
DE/BVS/QAR10.0002/00

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

See attachement.

CONDITIONS OF CERTIFICATION: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue no. 1 contains alternative plastic materials. In addition the standards were adapted.

Annexe: Issue2 IEC Ex Zertifikat.doc

The plug-and-socket device, type 8571/..-..., with wall-mounting socket outlet, plug and flange-mounting socket outlet is to provide for cable connection in potentially explosive areas. If required, the auxiliary circuit may be equipped to form an intrinsically safe circuit.
The integrated switch at the same time serves as an interlocking device to prevent actuation of the plug-and-socket device while alive. A staggered pin assignment, based on the thicker earth contact, makes sure that only identically coded plugs or socket outlets can be used together. The plug and the receptacle of this plug-and-socket device are designed for compatibility with the plug-and-socket device of type 8578/..-..-.
Connection is by means of the integrated screw-type terminals.
For proper mounting of the flange-mounting socket outlet, reference shall be made to the Notes for Manufacturing and Operation.

Electrical data

Types 8571/..-4.. and 8571/..-5..

Rated insulation voltage	up to	750 V
Rated voltage	up to	690 V
Rated current	max.	32 A
Utilization category		AC-3

Auxiliary contacts

Rated insulation voltage	up to	550 V
Rated voltage	up to	500 V
Rated current	max.	6 A
Utilization category		AC-12 / AC-15

Number of plug contacts ..... 4 to 5

Rated conductor cross section	socket outlet	10 mm²	single wire
	plug	6 mm²	finely/extra finely stranded
	aux. contacts	2.5 mm²	

Ambient temperature .....- 50 °C to 55 °C

The composition of the protection symbol will be based on the types of protection of the components actually used.

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