



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX PTB 20.0003X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 1 Issue 0 (2020-09-16)  
Date of Issue: 2021-11-25  
Applicant: **R. STAHL Schaltgeräte GmbH**  
Am Bahnhof 30  
74638 Waldenburg  
Germany  
Equipment: **Plug type 8571/\*\*\_\*\*\***  
Optional accessory:  
Type of Protection: **Increased Safety "eb" and Protection by Enclosure "tb"**  
Marking: **Ex eb IIC T6 ... T5 Gb**  
**Ex tb IIIC T81 °C Db**

Approved for issue on behalf of the IECEx  
Certification Body:

**Dr. Ing. Detlev Markus**

Position:

**Head of Department "Explosion Protection in Energy Technology"**

Signature:  
(for printed version)

*D. Markus*

Date:

*24. 11. 21*

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.
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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

Additional  
manufacturing  
locations:

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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/ExTR20.0002/01](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/17](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The series 8571/\*2-\*\*\*-\* plugs are used for connection of portable and fixed electrical equipment as well as cables and circuits in potentially explosive atmospheres.

A staggered connector pin assignment safeguards that only plugs or socket contacts of identical voltage rating can be used together. The series 8571/\*2-\*\*\*-\* plugs are operated with flange sockets of the series 8571, which have its own certificate according to IECEx.

For more technical information see annex.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

The plug must not be used in dust areas where highly charge-generating processes, machine friction and separation processes, electron spraying (e.g. around electrostatic coating systems) and pneumatically conveyed dust occur.

The user shall be informed of the following conditions in an appropriate form, e.g. with a note included in the operating instructions:

"WARNING - THE PLUG SHALL BE FREE FROM WATER AND DUST BEFORE IS INSERTED TO THE SOCKET"

"WARNING – DO NOT OPEN WHEN ENERGIZED"

"WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS"

"WARNING – THE PLUG SHALL BE FIRMLY MOUNTED AT THE SOCKET IN ORDER TO ENSURE THE INGRESS PROTECTION IP"

"WARNING – TEMPERATURE AT THE ENTRY POINTS HIGHER THAN +70 °C. A PROPER SELECTION OF CABLE AND CABLE GLANDS OR CONDUCTORS IN CONDUIT IS REQUIRED"



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

- 1) New test according to IEC 60079-0:2017 (Ed. 7), IEC 60079-7:2017 (E. 5.1) and IEC 60079-31:2013 (Ed. 2)
- 2) Diameter of Bayonet ring of 5-pole variant has changed
- 3) Flap cover of 5-pole variant has got a centering

**Annex:**

[COCA200003X-01.pdf](#)