



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312304000988

**Applicant** R. STAHL Schaltgeräte GmbH  
**Address** Am Bahnhof 30, 74638 Waldenburg, Germany  
**Manufacturer** R. STAHL Schaltgeräte GmbH  
**Address** Am Bahnhof 30, 74638 Waldenburg, Germany  
**Production Factory** R. STAHL Schaltgeräte GmbH  
**Production Address** Am Bahnhof 30, 74638 Waldenburg, Germany  
**Product** Contact element / Isolating terminal  
**Model/Type** 8082/\*-\*-\*\*  
**Ex marking** Ex db eb IIC Gb  
**Reference Standards** GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021

**Certification mode** Type Test + Initial Factory Inspection + Post-Certification Surveillance

The sample(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (3 pages).

Initial issue date: 2021-02-08

Issued date: 2023-04-24

Valid to: 2026-02-07

The Validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the Original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical Apparatus Research Institute Co.,Ltd.



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CN 0001951





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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**Product information:**

1. This certificate covers the following models:

- 8082/\*-\*-\*\*

Nomenclature:

8082	/	*	-	*	-	**
a		b		c		d

a: Type series

b: Version

- 1- Screw type terminal
- 2- Cage clamp terminal

c: Contact loadings

NC=1

NO=2

d: Non Ex relevant details

Technical data

Rated isolation voltage	max. 500V	max. 500V	max. 500V
Rated operational voltage	max. 110V	max. 400V	max. 550V
Rated current I <sub>e</sub> (Tamb≤70°C, T6)	max. 6A	max. 6A	max. 6A
Rated current I <sub>e</sub> (Tamb≤60°C, T6)	max. 10A	max. 10A	max. 10A

Issued date: 2023-04-24

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## (Annex)

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Switching capacity	max. 110W	max. 1000VA	max. 3000VA
Category of use	DC 13	AC 15	AC 12
Rated cross-section maximum	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>

### Classification applicable temperature classes

Temperature classes given below were calculated based on the surrounding ambient temperature of the component. Temperature classes depend on operating current, conductor cross section and installation.

Max. voltage	Max. current	Ambient temp. Max. +40°C	Ambient temp. Max. +70°C	Ambient temp. Max. +85°C
550V	6A	+45.2°C (T6)	+75.2°C (T6)	+90.2°C (T5)
550V	10A	+51.6°C (T6)	+81.6°C (T5)	+96.6°C (T5)

Ex marking: Ex db eb IIC Gb

- Producers should organize production in accordance with the technical documents approved by the certification body.
- 2. Specific conditions of safety use:
  - Service temperature: -60°C~+100°C.
  - Ambient temperature range: -60°C~+70°C.
  - The contact element type 8082/\*-\*. \*\* shall be installed in an enclosure that meets the requirements of an approved type of protection in accordance with GB/T 3836.1, section 1.
  - When installing the contact element in an enclosure designed to type of protection Increased Safety "e" as specified in GB/T 3836.3, the clearance and creepage distances shown in section 4.3, section 4.4, and table 2 shall be duly considered.

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- The connecting cables of the contact element type 8082/\*-\*-\*\* shall be fixed and routed so that it will be adequately protected against mechanical damage.

- The use of this component requires a further assessment by an ExCB.

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2012C075, CQST2012C075/01

- Factory inspection report: CN2022Q030187

4. Certificate change information:

- 1st change on April 24, 2023:

1) Updated the standards for certification.

2) Removed Ex d e l Mb.

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