



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000048

**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** Plug-and-socket device  
**Model/Type** 8579/...-...-..  
**Ex marking** Ex db eb IIC T6...T4 Gb , Ex db eb [ib Gb] IIC T6...T4 Gb,  
Ex tb IIIC T60°C...T105°C Db  
**Reference Standards** GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021,  
GB/T 3836.4-2021, GB/T 3836.31-2021

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

The product(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: 2020-09-01

Issued date: 2023-04-28

Valid to: 2025-08-31

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.



<http://www.ccc-cnex.com>  
[ccc.china-ex.com](http://ccc.china-ex.com)

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China  
Tel: 0377-63239734

P.C.: 473008  
Email: [ccc@cn-ex.com](mailto:ccc@cn-ex.com)

CN 0001976





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

No.: 2020312308000048

Page 1 of 3

**Product information:**

1. This certificate covers the following models :

- 8579/...-.-.

Nomenclature:

Plug-and-socket device	Type	8579/ab-cde-f
a	1: standard with 8543 2: for North American market with 8543 3: standard with 8544 4: for North American market with 8544	
b	1: switch socket 2: Plug	
c	number of poles 4: 3P+PE 5: 3P+N+PE	
d, e, f	numerals or letters without influence to explosion-protection	

Technical data:

	Main contact	Auxiliary contact
Rated voltage	Up to 690V	Up to 415V
Rated current	Up to 63A	Up to 6A
Utilization category	AC-3	AC-3

Rated cross-section:

	Main contact	Auxiliary contact
Switched socket with 8543 insert	35mm <sup>2</sup>	2.5mm <sup>2</sup>
Switched socket with 8544 insert	16mm <sup>2</sup> ~50mm <sup>2</sup>	1.5mm <sup>2</sup> ~2.5mm <sup>2</sup>
Plug	16mm <sup>2</sup>	--

Issued date: 2023-04-28

Director:



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



http://www.ccc-cnex.com  
ccc.china-ex.com

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China  
Tel: 0377-63239734

P.C.: 473008

Email: ccc@cn-ex.com





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

No.: 2020312308000048

Page 2 of 3

Temperature classification:

Plug-and-socket device with 8543 switch insert

Ambient Temperature	Temperature class	Max.surface temperature
Up to 50°C	T5	T 90°C
Up to 55°C	T4	T 105°C

Plug-and-socket device with 8544 switch insert

Ambient Temperature	Max. Operating current		Temperature class	Max.surface temperature
	Main contact	Auxiliary contact		
Up to 40°C	63A	6A	T6	T60°C
Up to 50°C	50A	4A	T6	T70°C
Up to 55°C	63A	6A	T5	T75°C

Ex marking: Ex db eb IIC T6...T4 Gb , Ex db eb [ib Gb] IIC T6...T4 Gb,  
Ex tb IIIC T60°C...T105°C Db

- Producers should organize production in accordance with the technical documents approved by the certification body.

2. Specific conditions of safety use:

- Ambient temperature range:  
Temperature class T5: -45°C~+50°C ;  
Temperature class T6: -45°C~+55°C.
- Ingress protection: IP66.
- Components attached or installed (e.g. terminal compartments, bushings, cable glands, connectors) must be of a technical standard that complies with the specifications on the cover sheet. They must be suited for the operating conditions

Issued date: 2023-04-28

Director:



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



<http://www.ccc-cnex.com>  
[ccc.china-ex.com](http://ccc.china-ex.com)

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China P.C.: 473008  
Tel: 0377-63239734

Email: [ccc@cn-ex.com](mailto:ccc@cn-ex.com)





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

No.: 2020312308000048

Page 3 of 3

and have the CCC certificate. The special conditions specified for the components must be complied with, and the components have to be included in the type test, if necessary. This equally applies to the components mentioned in the technical description.

- For the installation of intrinsically safe devices are those admitted that correspond to the GB/T3836.4 standard.
- A warning with the inscription "WARNING - DO NOT OPEN WHEN ENERGIZED" or similar has to be fitted on the enclosure.
- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2005C030, CQST2005C030/01
- Factory inspection report: CN2022Q030187

4. Certificate change information:

- 1st change on April 28, 2023: Updated the standards for certification.

Issued date: 2023-04-28

Director:



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



<http://www.ccc-cnex.com>  
[ccc.china-ex.com](http://ccc.china-ex.com)

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China P.C.: 473008  
Tel: 0377-63239734

Email: [ccc@cn-ex.com](mailto:ccc@cn-ex.com)