



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000046

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	Wall Socket- and Coupling Socket-Device
Model/Type	8572/**-***-*
Ex marking	Ex db eb IIC T6 Gb, Ex tb IIIC T75°C Db
Reference Standards	GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021 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 (5 pages).

Initial issue date: 2020-09-01

Issued date: 2023-04-23

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.



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CN 0001970



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Product information:

1. This certificate covers the following models:

- 8572/**-***-*

Nomenclature:

8572	/	*	*	-	*	**	-	*
a	/	b	c	-	d	e	-	f

a Type series

b Version:

- 1= Standard
- 2= North America

c Desing:

- 3= Wall socket
- 4= Coupler

d Number of Poles:

- 3= 2P + PE (3-pole)

e Code for pin orientation and voltage

- 02 = 50 V, >300 - 500 Hz, green
- 03 = 50 - 110 V DC, light-grey
- 04 = 100 - 130 V, 50 / 60 Hz, yellow
- 05 = 277 V, 60 Hz, light-grey
- 06 = 200 - 250 V, 50 / 60 Hz, blue
- 12 = Secondary winding, supply of isolation transformer, 50 / 60 Hz, blue

f Content of Silicon:

- B= silicone free

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Electrical Data

Rated operational voltage: 277 V AC / 110 V DC
 Rated operational current: max. 16 A
 Utilization category: AC-3, 277 V, 16 A / DC-1, 110 V, 16 A
 Rated frequency: 50...60 Hz; up to 500 Hz
 Rated isolation voltage: 550 V
 Rated impulse withstand voltage: 2.5 kV
 Rated short-time withstand current: 10 kA
 Terminal capacity: 0.75...4 mm²: 1 or 2 rigid or flexible wires
 PE conductor size: Same or larger than line / load cross section
 PA conductor size: 4 mm²
 Tightening torque: Terminals: 1.2 Nm
 Terminals compartment cover: 1.8 Nm
 Cable gland screw: 0.5...1.0 Nm
 Cable strain relief: 1.5...1.8 Nm

Clamping range of cable gland: 7 up to 17 mm
 Cable entries: 8 up to 15 mm
 Coupling cable diameter: Ring 1 + 2 + 3 + 4: 8 up to 11 mm
 Ring 2 + 3 + 4: 11 up to 15 mm

Cable gland and stopping plug
 at wall socket: M25 x 1.5

Note: Flexible wires are suitable with or without wire end ferrules.

Ex marking: Ex db eb IIC T6 Gb, Ex tb IIIC T75°C Db

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

2. Specific conditions of safety use:

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- Ambient temperature:

-40°C ≤ Tamb ≤ +45°C...+65°C (with sealing ring made of D0122-01)

-50°C ≤ Tamb ≤ +45°C...+65°C (with sealing ring made of D0123-01)

Type	T _{amb} , at rated current and conductor cross section for T6 / T75°C		
		16 A (4 mm ²)	12 A (4 mm ²)
	16 A (2.5 mm ²)	12 A (2.5 mm ²)	10 A (2.5 mm ²)
	10 A (1.5 mm ²)	7 A (1.5 mm ²)	6 A (1.5 mm ²)
	8 A (1 mm ²)	6 A (1 mm ²)	5 A (1 mm ²)
	6 A (0.75 mm ²)	4 A (0.75 mm ²)	3 A (0.75 mm ²)
8572/13	+45°C	+55°C	+65°C
8572/14	+45°C	+55°C	+65°C

- Service temperature: -50 °C ≤ Ts ≤ +80°C.

- When mounted and cover closed or plug inserted: IP64.

(Cover must be closed thoroughly when plug is not inserted to maintain environmental protection.)

- Components attached or installed (bushings, cable entry fittings, connectors, blanking plugs, PE bushings) have to be of a technical standard that complies with the specifications on the cover sheet. They must be suited for the operating conditions, and have the CCC certificate. The special conditions specified for the components must be complied with and may have to be included in the type test. This also applies to components already specified in the technical description.

- Only the number and dimensions of the openings, bushings, cable entry fittings, connectors and blanking plugs that are specified in the technical drawings and technical documents of the manufacturer are allowed to be installed.

- The wall socket- and coupling socket-device of type 8572 must be connected with

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suitable cable glands or conduit systems that complies with the requirements of the specified on the cover sheet, and has own the CCC certificate.

- Cable glands (Pg type glands) and blanking plugs of a simple design must not be used. If the wall socket- and coupling socket-device of type 8572 is connected by means of a conduit entry fitting which has been approved for this purpose, the required sealing device shall be provided immediately at the enclosure.
- If cable glands or other components made of metal are installed into the terminal compartment (bushings, cable entry fittings, connectors, blanking plugs, PE bushings), they shall have the CCC certificates that complies with the requirements specified on the cover sheet and they must be earthed according to the section 15 of the standard GB/T3836.1.
- The tensile test was performed with cable of different sizes according to the manufacturer. The approved cable sizes that can be used for the coupler are listed in the certification manual of the manufacturer.
- Openings that are not used must be closed in compliance with the specifications of the standards listed on the cover sheet.
- The clearance holes for plain entries shall have a diameter not more than 0.7 mm greater than the nominal diameter of the entry thread gland or fitting. The inside of the enclosure shall be provided with sufficient room to attach a locknut to the gland of fitting.
- The connecting cable of the wall socket-device of type 8572/13 shall be fixed and routed so that it will be adequately protected against mechanical damage.
- If the temperature at the input parts exceeds 70 °C, temperature-resistant connecting cables shall be used.
- The wall socket- and coupling socket-device 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.

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- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2005C028, CQST2005C028/01

- Factory inspection report: CN2022Q030187

4. Certificate change information: None

- 1st change on April 23, 2023: Updated the standards for certification.

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