



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000081

<b>Applicant</b>	R. STAHL Schaltgeräte GmbH
<b>Address</b>	Am Bahnhof 30, 74638 Waldenburg, Germany
<b>Manufacturer</b>	R. STAHL Schaltgeräte GmbH
<b>Address</b>	Am Bahnhof 30, 74638 Waldenburg, Germany
<b>Production Factory</b>	R. STAHL Schaltgeräte GmbH
<b>Production Address</b>	Am Bahnhof 30, 74638 Waldenburg, Germany
<b>Product</b>	Wall- and coupler-socket
<b>Model/Type</b>	8570/**_***_**
<b>Ex marking</b>	Ex db eb IIC T6/T5 Gb, Ex tb IIIC T73°C Db
<b>Reference Standards</b>	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 (4 pages).

Initial issue date: 2020-10-28

Issued date: 2023-04-24

Valid to: 2025-10-27

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 0001950



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**Product information:**

1. This certificate covers the following models:

- 8570/\*\*\_\*\*\*\_\*\_\*\*

**Nomenclature:**

8570	/	*	*	-	*	**	-	*	-	**
a	/	b	c	-	d	e	-	f	-	g

- a Type series
- b Design:
  - 1 Standard
  - 2 North America
- c Device:
  - 1 Wall mounting socket
  - 6 Portable coupler socket
- d Number of Poles:
  - 3 2P + PE or 1P + N + PE
  - 4 3P + PE
  - 5 3P + N + PE
- e Code for pin orientation and voltage
- f B: silicone free  
S: containing silicone
- g Denotes any number or character (Not affecting Ex performance)

**Ambient temperature:**

For Wall Socket type 8570/\*1-\*\*\*\_\*\_\*\* and Coupler Socket type 8570/\*6-\*\*\*\_\*\_\*\*:  
 $-50\text{ }^{\circ}\text{C} \leq T_{amb} \leq +35\text{ }^{\circ}\text{C} \dots 65\text{ }^{\circ}\text{C} / T6 \dots T5$  by current range 6 A ... 16 A (20 A)  
 $-50\text{ }^{\circ}\text{C} \leq T_{amb} \leq +35\text{ }^{\circ}\text{C} \dots 65\text{ }^{\circ}\text{C} / T6 \dots T5$  by current range 6 A ... 16 A (20 A) valid  
 for use of metal plate or terminal of auxiliary contact with adhesive D0213

**Service temperature:**

For Wall Socket type 8570/\*1-\*\*\*\_\*\_\*\* and Coupler Socket type 8570/\*6-\*\*\*\_\*\_\*\*:

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- 50 °C ≤ Ts ≤ +60 °C (valid for use of metal plate or terminal of auxiliary contact with adhesive D0213)
- 50 °C ≤ Ts ≤ +75 °C (for the enclosure)
- 50 °C ≤ Ts ≤ +95 °C (valid for contact sleeve carrier)

Electrical Data:

Type 8570/\*1 and 8570/\*6

	Main contacts		Auxiliary contacts
	3 poles	4, 5 poles	
Max. rated operational voltage	500V AC/110V DC	690VAC/110V DC	500 V AC / 110 V DC
Max. rated insulation voltage	550V AC	750V AC	550V AC
Max. rated operational current	16A/20A		6A
Switching capacity	AC-3, 690 V, 16 A AC-3, 500 V / 20 A 4 kW, 200 ... 250 V 7.5 kW, 380 ... 500 V 11 kW, 600 ... 690 V DC-1, 110 V, 16 A		AC-15, 500 V, 1250VA AC-15, 230 V, 1380VA AC-12, 500 V, 3000VA DC-13, 110 V, 110 W
Max. rated frequency	0-500Hz		
Short-circuit protection	16A gG (without thermal protection) 35A gG (with thermal protection)		
Terminal capacity for Flange socket type 8570/*5-**	1 or 2 x 1.5 ... 6 mm <sup>2</sup> (16 ... 10 AWG) solid 1 or 2 x 1.5 ... 4 mm <sup>2</sup> (16 ... 12 AWG) stranded		
Terminal capacity for auxiliary contacts	1 or 2 x 0.5 ... 2.5 mm <sup>2</sup> (20 ... 14 AWG) solid or stranded		
PE conductor size	Same or larger than line / load cross section		
Tightening torque	Terminals: max. 1.2 Nm Fixing screws of the flange socket: max. 2.3 Nm		

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	Fixing screws of the enclosure cover: max. 1.8 Nm
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Note: Stranded wires are suitable with or without wire end ferrules.

Ingress protection: IP64

(Cover must be closed properly when plug is not inserted to maintain ingress protection. The plug shall be free from water and dust before is inserted to the flange socket.)

Ex marking: Ex db eb IIC T6/T5 Gb, Ex tb IIIC T73°C Db

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

2. Specific conditions of safety use:

- Openings that are not used must be closed in compliance with the specifications of the Standards, and CCC certified cable gland or stopping plug must be applied(as applicable).
- In Order to ensure the ingress protection IP, the bayonet ring of the plug must be screwed up to the stop to the socket or the hinged cover of the socket must be closed and screwed up to the stop when the plug is not inserted.The cover of the terminal compartment must be fastened with the appropriate torque.
- The wall socket 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 connecting cable of the wall socket or the coupler socket type 8570/\*\*-\*\*\*-\*-\*\* 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.
- Installation of electrical components requires a further assessment by an ExCB.

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- The user shall be informed of the following conditions in an appropriate form, e.g. with a note included in the operating instructions:
  - WARNING — DO NOT OPEN WHEN ENERGIZED
  - WARNING — POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS
  - WARNING — IN ORDER TO ENSURE THE INGRESS PROTECTION IP, THE BAYONET RING OF THE PLUG MUST BE SCREWED UP TO THE STOP TO THE SOCKET AND THE HINGED COVER OF THE SOCKET MUST BE CLOSED AND SCREWED UP TO THE STOP WHEN THE PLUG IS NOT INSERTED. THE COVER OF THE TERMINAL COMPARTMENT MUST BE FASTENED WITH THE APPROPRIATE TORQUE
  - WARNING — TEMPERATURE AT THE ENTRY POINTS HIGHER THAN +70 °C. A PROPER SELECTION OF CABLE AND CABLE GLANDS OR CONDUCTORS IN CONDUIT IS REQUIRED
- See instruction for other information.
- 3. Certificate related report(s):
  - Type test report: CQST2010C/F016, CQST2010C/F016/01
  - Factory inspection report: CN2022Q030187
- 4. Certificate change information:
  - 1st change on April 24, 2023:
    - (1) Updated the standards for certification.
    - (2) Changing the model form 8570/\*\*-\*\*\*-\*\*\*\* to 8570/\*\*-\*\*\*-\*\*\*.

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