



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000044

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
Model/Type	8570/**-***-*
Ex marking	Ex eb IIC T6/T5 Gb, Ex tb IIIC T75°C Db
Reference Standards	GB/T 3836.1-2021, 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: 2020-09-01

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.



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

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China
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CN 0001969



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

No.: 2020312308000044

Page 1 of 4

Product information:

1. This certificate covers the following models:

- 8570/**_***_*

Nomenclature:

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

a Type series

b Design:

1 = Standard (16 A / 20 A)

2 = North America (20 A)

c Device:

2 = Plug

d Poles:

3 = 2P + PE or 1P + N + PE

4 = 3P + PE

5 = 3P + N + PE

e Position for earth contact and voltage / frequency / colour

f Sealing material:

B = silicone free

S = containing silicone

Electrical Data:

	Main contacts	
	3 poles	4, 5 poles
Max. rated operational	500V AC/110V DC	690V AC/110V DC

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(Annex)

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Page 2 of 4

voltage		
Max. rated insulation voltage	550V AC	750V AC
Max. rated operational current	16A/20A	
Rated frequency	0-500Hz	
Short-circuit protection	16A gG (without thermal protection) 35A gG (with thermal protection)	
Terminal capacity for plug type 8570/*2-**	1 x 1.5-4mm ² (16-12AWG) solid or stranded	
PE conductor size	Max.4mm ²	
Tightening torque	Terminals: max.1.2Nm Terminal compartment cover: max.1.0Nm Cable gland screw: 0.5Nm Cable strain relief: 1.5Nm	
Clamping range of cable gland	8 up to 18 mm (silicone) 8 up to 15 mm (silicone free)	
Cable entries (of the Plug)	8 up to 18 mm Ring 1 + 2 + 3 + 4: 8 up to 11 mm Ring 2 + 3 + 4: 11 up to 15 mm Ring 3 + 4: 15 up to 18 mm (only silicone)	

Ex marking: Ex eb IIC T6/T5 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:

- Ambient temperature:

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No.: 2020312308000044

Page 3 of 4

- For Plug type 8570/*2-***-* with sealing ring made of D0122-01:
-40°C ≤ Tamb ≤ +35°C...65°C / T6 ... T5 by current range 6 A ... 16 A (20 A)
- For Plug type 8570/*2-***-* with sealing ring made of D0123-01:
-50°C ≤ Tamb ≤ +35°C ...65°C / T6 ... T5 by current range 6 A ... 16 A (20 A)
- Service temperature:
 - For Plug type 8570/*2-***-* with sealing ring made of D0122-01:
-40°C ≤ Ts ≤ +75°C (for the enclosure and cable gland)
-40°C ≤ Ts ≤ +95°C (for terminals)
 - For Plug type 8570/*2-***-* with sealing ring made of D0123-01:
-50°C ≤ Ts ≤ +75°C (for the enclosure and cable gland)
-50°C ≤ Ts ≤ +95°C (for terminals)
- Ingress protection: IP64.
- In order to ensure the ingress protection IP, the bayonet ring of the plug must be screwed up to the stop to the socket.
- The plug shall be free from water and dust before is inserted to the socket.
- The connecting cable of the plug type 8570/**-***-* shall be fixed and routed so that it will be adequately protected against mechanical damage.
- The tensile test according to Annex A of the standard GB/T3836.1 was performed with cable of different sizes according to the manufacturer. The approved cable sizes that can be used for the plug are listed in the electrical data.
- 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.
- The plug must not be used in dust areas where highly charge-generating processes,

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Page 4 of 4

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

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2005C026, CQST2005C026/01
- Factory inspection report: CN2022Q030187

4. Certificate change information:

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

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