

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000044

Applicant and address

R. STAHL Schaltgeräte GmbH
Am Bahnhof 30, 74638 Waldenburg, Germany

Manufacturer and address

R. STAHL Schaltgeräte GmbH
Am Bahnhof 30, 74638 Waldenburg, Germany

Factory and address

R. STAHL Schaltgeräte GmbH
Am Bahnhof 30, 74638 Waldenburg, Germany

Product, series, specification and model

Plug

8570/**-***-*

Ex eb IIC T6/T5 Gb, Ex tb IIIC T75°C Db

Standards

GB/T 3836.1-2021, GB/T 3836.3-2021, GB/T 3836.31-2021

**This product(s) complies with the requirements of CNCA-C23-01: 2024
China Compulsory Certification Implementation Rule on Explosion
Protected Electrical Product.**

Issue date: 2025-08-25 Valid to: 2030-08-31

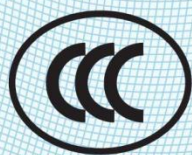
Detailed information and status of this certificate is available by using the QR code,
visiting CNEx's website or CNCA's website: www.cnca.gov.cn.

This translated document has no legal effect and shall not be used alone.



Director:

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



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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 voltage	500V AC/110V DC	690V AC/110V DC
Max. rated insulation voltage	550V AC	750V AC
Max. rated	16A/20A	



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operational current	
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

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

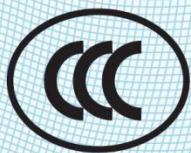
2. Specific conditions of use:

- Ambient temperature:
 - For Plug type 8570/*2-***-* with sealing ring made of D0122-01:



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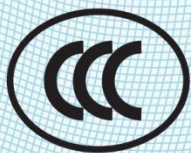
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- $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C} \dots 65^{\circ}\text{C}$ / T6 ... T5 by current range 6 A ... 16 A (20 A)
- For Plug type 8570/*2-***-* with sealing ring made of D0123-01:
 - $-50^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C} \dots 65^{\circ}\text{C}$ / 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:
 - $-40^{\circ}\text{C} \leq T_s \leq +75^{\circ}\text{C}$ (for the enclosure and cable gland)
 - $-40^{\circ}\text{C} \leq T_s \leq +95^{\circ}\text{C}$ (for terminals)
 - For Plug type 8570/*2-***-* with sealing ring made of D0123-01:
 - $-50^{\circ}\text{C} \leq T_s \leq +75^{\circ}\text{C}$ (for the enclosure and cable gland)
 - $-50^{\circ}\text{C} \leq T_s \leq +95^{\circ}\text{C}$ (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/*2-***-* 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 ExC B.
- The plug 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 user shall be informed of the following conditions in an appropriate form, e.g. with a note included in the operating instructions:



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- 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 change information:

- This certificate is issued for renewal upon expiration, The first issuance date of the certificate is 2020-09-01.



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





中国国家强制性产品认证证书

证书编号: 2020312308000044

认证委托人名称及地址

R. STAHL Schaltgeräte GmbH
Am Bahnhof 30, 74638 Waldenburg, Germany

生产者名称及地址

R. STAHL Schaltgeräte GmbH
Am Bahnhof 30, 74638 Waldenburg, Germany

生产企业名称及地址

R. STAHL Schaltgeräte GmbH
Am Bahnhof 30, 74638 Waldenburg, Germany

产品名称和系列、型号、规格

防爆插头

8570/**-***-*

Ex eb IIC T6/T5 Gb, Ex tb IIIC T75°C Db

产品标准和技术要求

GB/T 3836.1-2021, GB/T 3836.3-2021, GB/T 3836.31-2021

上述产品符合《强制性产品认证实施规则 防爆电气》

(CNCA-C23-01: 2024) 的要求, 特发此证。

发证日期: 2025年08月25日 有效期至: 2030年08月31日

证书信息和有效性可扫描下方二维码或登录发证机构网站查验,
也可在认监委网站 (www.cnca.gov.cn) 查询。



法定代表人:

南阳防爆电气研究所有限公司



中国国家强制性产品认证证书

证书编号：2020312308000044

证书附页：第 1 页 共 3 页

产品相关信息：

1、本证书覆盖产品如下：

— 8570/**-***-*

命名规则：

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

a 系列型号

b 设计编号：

1 = 标准型 (16A/20A)

2 = 北美型 (20A)

c 设备：

2 = 插头

d 极数：

3 = 2P+PE 或 1P+N+PE

4 = 3P+PE

5 = 3P+N+PE

e 接地极方向和产品电压等级 / 频率 / 颜色

f 密封材料

B = 不含硅

S = 含硅

电气参数：

	主要参数	
	3 极	4、5 极
最高工作电压	500V AC/110V DC	690V AC/110V DC
最高绝缘电压	550V AC	750V AC
最高工作电流	16A/20A	
额定频率	0-500Hz	
短路保护	16A gG (无热保护) 35A gG (有热保护)	
8570/*2-** 插头端	1 x 1.5-4mm ² (16-12AWG) 刚性导线或绞合导线	

本页为证书附页，应与证书主页同时使用。



南阳防爆电气研究所有限公司



中国认可
产品
PRODUCT
CNAS C208-P



中国国家强制性产品认证证书

证书编号: 2020312308000044

证书附页: 第 2 页 共 3 页

子容量	
PE 导体尺寸	最大 4mm ²
拧紧扭矩	端子: 1.2Nm 接线盒盖: 1.0Nm 进线压紧螺母: 0.5Nm 电缆应力消除: 1.5Nm
引入装置夹紧范围	8...18mm (含硅) 8...15mm (不含硅)
插头引入装置	8...18mm 环 1+2+3+4: 8...11mm 环 2+3+4: 11...15mm 环 3+4: 15-18mm (硅橡胶)

防爆标志: Ex eb IIC T6/T5 Gb, Ex tb IIC T75°C Db

- 生产者应按照认证机构批准的技术文件组织生产。

2、安全使用条件:

- 使用环境温度:

- 密封圈材质为 D0122-01 的 8570/*2-***-*型插头
-40°C ≤ Tamb ≤ +35°C...+65°C T6/T5 电流范围 6A~16A (20A)
- 密封圈材质为 D0123-01 的 8570/*2-***-*型插头
-50°C ≤ Tamb ≤ +35°C...+65°C T6/T5 电流范围 6A~16A (20A)

- 工作温度:

- 密封圈材质为 D0122-01 的 8570/*2-***-*型插头
-40°C ≤ Ts ≤ +75°C (对于外壳和引入装置)
-40°C ≤ Ts ≤ +95°C (对于接线端子)
- 密封圈材质为 D0123-01 的 8570/*2-***-*型插头
-50°C ≤ Ts ≤ +75°C (对于外壳和引入装置)
-50°C ≤ Ts ≤ +95°C (对于接线端子)

- 外壳防护等级: IP64。

- 为了确保 IP 防护等级, 必须将插头的卡口环拧紧到插座的挡块上。

- 在将插头插入插座之前, 应确保插头无水和灰尘。

- 8570 / **-***-*型插头的连接电缆应固定好走线, 以便充分保护其免受机械损坏。

- 根据制造商的不同尺寸的电缆, 按照标准 GB/T3836.1 录 A 进行了夹紧试

本页为证书附页, 应与证书主页同时使用。



南阳防爆电气研究所有限公司





中国国家强制性产品认证证书

证书编号：2020312308000044

证书附页：第 3 页 共 3 页

验。电气参数数据表中列出了可用于插头引入装置的电缆尺寸。

- 如果引入部分的温度超过 70° C，则应使用耐高温的连接电缆。
- 本产品与插座的安装需要由认证机构进行进一步评估。
- 不得在产生大量电荷的过程，机器摩擦和分离过程，电子发射（例如在静电涂层系统周围）和气动输送粉尘的粉尘区域使用插头。
- 应以适当的形式告知用户以下情况，例如：通过说明书中备注：
 - 警告 - 将插头插入插座之前，插头应无水和无尘；
 - 警告 - 严禁带电开盖；
 - 警告 - 潜在静电电荷危险 - 见使用说明书；
 - 警告 - 插头应牢固地安装在插座上，以确保 IP 防护等级；
 - 警告 - 电缆引入点的温度高于+70° C，需要正确选择电缆和电缆密封接头或导体。
- 其他见产品使用说明书。

3、证书变更信息：

- 本证书为期满换发证书，证书首次颁发日期:2020 年 09 月 01 日。

本页为证书附页，应与证书主页同时使用。



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