

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000047

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-, Wall Socket- and Coupling Socket-Device
8573/**-***-*

Ex db eb IIC T6 Gb, Ex tb IIIC T70°C Db

Standards

GB/T 3836.1-2021, GB/T 3836.2-2021, 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:

- 8573/**-***.*

Nomenclature:

8573	/	*	*	-	*	**	-	*
a	/	b	c	-	d	e	-	f

a Type series

b Version:

1= Standard

2= North America

c Desing:

2= Plug

3= Wall socket

4= Coupler

d Number of Poles:

2= 2poles (L/+)

3= 3poles (L1, L2, L3)

e Code for pin orientation and voltage

00 = 20 – 25 V, 50 / 60 Hz, violet

02 = 20 – 25 V and 40 – 50 V, 300 Hz, green

03 = 20 – 25 V and 40 – 50 V, 400 Hz, green

04 = 20 – 25 V and 40 – 50 V, >100 – 200 Hz, green

10 = 20 – 25 V DC, violet

11 = 20 – 25 V and 40 – 50 V, >400 – 500 Hz, green

12 = 40 – 50 V, 50 / 60 Hz, light-grey

f Content of Silicon:

B = silicone free

Electrical Data:

Rated operational voltage:

50V AC or DC

Rated operational current:

max. 16 A

Utilization category:

AC-3, 50 V, 16 A

Rated frequency:

50...60 Hz; up to 500 Hz

Rated isolation voltage:

275 V



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Rated impulse withstand voltage:	2.5 kV
Rated short-time withstand current:	10 kA
Terminal capacity:	0.75-4 mm ² : 1 or 2 rigid or flexible wires
PE conductor size: section	Same or larger than line / load cross
PA conductor size:	4 mm ²
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: Stranded wires are suitable with or without wire end ferrules.

Ex marking: Ex db eb IIC T6 Gb, Ex tb IIIC T70°C Db

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

2. Specific conditions of use:

- Ambient temperature:

-40°C ≤ T_{amb} ≤ +40°C...+60°C (with sealing ring made of D0122-01)

-50°C ≤ T_{amb} ≤ +40°C...+60°C (with sealing ring made of D0123-01)

Type	T _{amb} , at rated current and conductor cross section for T6 / T70°C		
	16 A (4 mm ²)	12 A (4 mm ²)	10 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)



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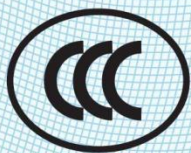
	6 A (0.75 mm ²)	4 A (0.75 mm ²)	3 A (0.75 mm ²)
8573/12	+40°C	+55°C	+60°C
8573/13	+40°C	+55°C	+60°C
857314	+40°C	+55°C	+60°C

- Service temperature: $-50^{\circ}\text{C} \leq T_s \leq +80^{\circ}\text{C}$
- 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 plug and socket-device of type 8573 must be connected with 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 plug and socket-device of type 8573 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 plug and coupler are listed in the certification manual of the manufacturer.
- Openings that are not used must be closed in compliance with the specifications of



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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 8573/13 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 plug- and 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.
- 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: 2020312308000047

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

防爆插头插座

8573/**-***-*

Ex db eb IIC T6 Gb, Ex tb IIIC T70°C Db

产品标准和技术要求

GB/T 3836.1-2021, GB/T 3836.2-2021, 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：2020312308000047

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：

- 8573/**-***-*

命名规则：

8573	/	*	*	-	*	**	-	*
a	/	b	c	-	d	e	-	f

a 系列型号

b 版本：

1 = 标准型

2 = 北美型

c 设计编号：

2 = 插头

3 = 壁装式插座

4 = 耦合式插座

d 极数：

2 = 2 极 (L/+)

3 = 3 极 (L1, L2, L3)

e 电极方向和电压代码

00 = 20 - 25 V, 50 / 60 Hz, 紫色

02 = 20 - 25 V、40 - 50 V, 300 Hz, 绿色

03 = 20 - 25 V、40 - 50 V, 400 Hz, 绿色

04 = 20 - 25 V、40 - 50 V, >100 - 200 Hz, 绿色

10 = 20 - 25 V DC, 紫色

11 = 20 - 25 V、40 - 50 V, >400 - 500 Hz, 绿色

12 = 40 - 50 V, 50 / 60 Hz, 浅灰色

f 硅含量

B = 不含硅

电气参数：

额定工作电压

50 V AC 或 DC

额定工作电流

最大 16A

使用类别

AC-3, 50 V, 16 A

额定频率

50-60 Hz; 最高 500 Hz

额定绝缘电压

275V

额定耐冲击电压

2.5kV

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: 2020312308000047

证书附页: 第 2 页 共 3 页

额定短时耐受电流:	10 kA
端子容量	0.75-4 mm ² : 1 或 2 根硬线或软线
PE 导体尺寸	大于或等于线/负载横截面
PA 导体尺寸	4 mm ²
拧紧扭矩	端子: 1.2 Nm 接线盒盖: 1.8 Nm 电缆密封套螺钉: 0.5...1.0 Nm 电缆应力消除: 1.5...1.8 Nm
电缆密封套的夹紧范围	7...17mm
电缆尺寸	8...15mm
密封圈夹套及电缆直径	环 1 + 2 + 3 + 4: 8...11mm 环 2 + 3 + 4: 11...15mm
壁式插座的电缆引入装置和堵头	M25 x 1.5
注: 软线可以带或不带束线套。	
防爆标志: Ex db eb IIC T6 Gb, Ex tb IIIC T70°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:
-40°C ≤ T_{amb} ≤ +40°C...+60°C 密封圈材质为 D0122-01
-50°C ≤ T_{amb} ≤ +40°C...+60°C 密封圈材质为 D0123-01

型号	T _{amb} , T6 / T70 °C时额定电流和导体截面积		
	16 A (4 mm ²)	12 A (4 mm ²)	10 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)
8573/12	+40°C	+55°C	+60°C
8573/13	+40°C	+55°C	+60°C
8573/14	+40°C	+55°C	+60°C

- 工作温度: -50°C ≤ T_s ≤ +80°C
- 安装后防护盖关闭或插入插头时: IP64 (未插入插头时, 必须彻底关闭上防护盖)。

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: 2020312308000047

证书附页: 第 3 页 共 3 页

- 连接或安装的组件(绝缘套管, 电缆引入装置, 连接器, 堵头, PE 套管)必须符合首页所规定的技术标准, 有适合的工况条件, 并取得 CCC 认证。为组件指定的特殊使用条件须遵守, 且应包含在型式试验中。以上要求同样适用于技术说明中已指定的组件。
- 仅允许安装制造商的技术图纸和文件中指定的开孔, 绝缘套管, 电缆引入装置, 连接器和堵头(包括数量和尺寸)。
- 8573 型壁装式插座和耦合式插座装置须与合适的电缆引入装置或导管系统连接, 该电缆引入装置或导管系统应符合规定的要求, 并取得 CCC 认证。
- 禁止使用简单设计的电缆引入装置(Pg 型引入装置)和堵头。如果 8573 型壁装式插座和耦合式插座装置是通过导管入口配件连接的, 则应安装时立即在外壳上提供所需的密封装置。
- 如果将电缆引入装置或其他金属制成的组件安装到接线盒中(套管, 电缆引入装置, 连接器, 堵头, PE 套管), 则该组件应取得 CCC 认证, 且须符合首页所规定的技术标准。组件应按照 GB/T3836.1 的要求进行接地。
- 制造商根据不同尺寸的电缆进行了夹紧试验。经认证过的操作手册中列出了引入装置的电缆尺寸。
- 未使用的开孔必须按照首页所列出的技术标准规范的要求进行封闭。
- 光孔引入直径与电缆引入装置或附件的公称直径差应不大于 0.7mm。外壳内部应有足够的空间用于安装引入装置或附件的防松螺母。
- 8573/13 型壁装插座设备的连接电缆应固定走线, 以便充分保护其免受机械损坏。
- 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。
- 插头、壁装式插座和耦合插座设备不得用于能产生高电荷的过程, 机器摩擦和分离过程, 电子发射(例如在静电喷涂系统周围)和气动输送粉尘的粉尘区域。
- 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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