

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000043

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

Flange Socket

8573/*5-***-*

Ex db eb IIC Gb, Ex tb IIIC Db

Standards

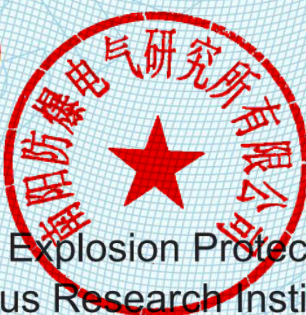
GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021,
GB/T 3836.31-2021

**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

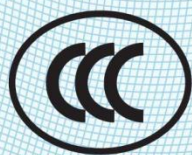
Detailed information and status of this certificate is available by using the QR code,
visiting CNEx's website or CNCA's website: www.cnca.gov.cn.

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



Director:

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



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000043

Annex: Page 1 of 4

Product information:

1. This certificate covers the following models:

- 8573/15-***-*

Nomenclature:

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

a Type series

b Version:

1= Standard

2= North America

c Desing:

5= Flange Socket

d Number of Poles:

2= 2poles

3= 3poles

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

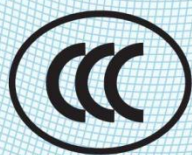
f Content of Silicon:

B= silicone free



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





CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000043

Annex: Page 2 of 4

Ambient temperature:

-50 °C ≤ T_{amb} ≤ +40 °C by max. 16 A

-50 °C ≤ T_{amb} ≤ +55 °C by max. 12 A

-50 °C ≤ T_{amb} ≤ +60 °C by max. 10 A

Service temperature:

-50 °C ≤ T_S ≤ +80 °C (for enclosure)

-50 °C ≤ T_S ≤ +95 °C (for switch insert)

Electrical Data:

Rated operational voltage: 50 V AC or 110 V 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

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

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

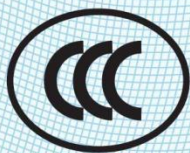
Maximum rated operating current depends on conductor cross section and ambient temperature.

T _{amb}	≤ +45 °C	≤ +55 °C	≤ +65 °C
Rated operating current allowed for conductor cross section.	16 A (4 mm ²) 16 A (2.5 mm ²) 10 A (1.5 mm ²) 8 A (1 mm ²)	12 A (4 mm ²) 12 A (2.5 mm ²) 7 A (1.5 mm ²) 6 A (1 mm ²)	10 A (4 mm ²) 10 A (2.5 mm ²) 6 A (1.5 mm ²) 5 A (1 mm ²)
Cross section is	6 A (0.75 mm ²)	4 A (0.75 mm ²)	3 A (0.75 mm ²)



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





CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000043

Annex: Page 3 of 4

shown in bracket.			
-------------------	--	--	--

- Ingress protection:

- When mounted in a stainless steel enclosure and cover closed or plug inserted (without 45° adapter): IP66.
- When mounted in a plastic enclosure and cover closed or plug inserted (without 45° adapter): IP66.
- When mounted in a stainless steel enclosure and cover closed or plug inserted (with 45° adapter): IP66.
- When mounted in a plastic enclosure and cover closed or plug inserted (with 45° adapter): IP64.

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

Ex marking: Ex db eb IIC Gb, Ex tb IIIC Db

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

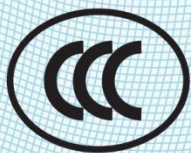
2. Specific conditions of use:

- The flange sockets of type 8573/15 shall be mounted on an enclosure that meets the requirements of an approved type of protection as specified in GB/T3836.1, section 1. The degree of protection IP will only be safeguarded if the unit is properly installed in the electrical equipment. They must be suited for the operating conditions and have a separate examination certificate.
- If the flange socket type 8573/15 is attached to an enclosure of level of protection Increased Safety "e" in accordance with GB/T3836.3, the clearance and creepage distances specified in section 4.3, section 4.4 and table 2 shall duly be complied with.
- The connecting cable of the flange socket type 8573/15 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.
- The user shall be informed of these conditions in an appropriate form, e.g. with a



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





CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000043

Annex: Page 4 of 4

note included in the operating 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 – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.
- 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: 2020312308000043

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

防爆法兰插座

8573/*5-***-*

Ex db eb IIC Gb, Ex tb IIIC 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：2020312308000043

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/*5-***-*

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：

5 = 法兰插座

d 极数：

- 2 = 2 极
- 3 = 3 极

e 电极方向和电压代码

- 00 = 20 - 25 V, 50 / 60 Hz, 紫色
- 02 = 0 - 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

使用环境温度：

-50 °C ≤ T_{amb} ≤ +40 °C (16 A)

-50 °C ≤ T_{amb} ≤ +55 °C (12 A)

-50 °C ≤ T_{amb} ≤ +60 °C (10 A)

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: 2020312308000043

证书附页: 第 2 页 共 3 页

工作温度:

$-50\text{ }^{\circ}\text{C} \leq T_a \leq +80\text{ }^{\circ}\text{C}$ (外壳)

$-50\text{ }^{\circ}\text{C} \leq T_a \leq +95\text{ }^{\circ}\text{C}$ (开关组件)

电气参数:

额定工作电压 50 V AC 或 110 V 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

额定短时耐受电流: 10 kA

端子容量 0.75-4 mm²: 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 mm²

拧紧扭矩 端子: 1.2 Nm

注: 软线可以带或不带束线套。

最大额定工作电流取决于连接导体的横截面积和环境温度:

T _{amb}	≤ +45 °C	≤ +55 °C	≤ +65 °C
导体横截面允许的	16 A (4 mm ²)	12 A (4 mm ²)	10 A (4 mm ²)
额定工作电流。横截	16 A (2.5 mm ²)	12 A (2.5 mm ²)	10 A (2.5 mm ²)
面积显示在括号中。	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)

外壳防护等级:

- 当安装在不锈钢外壳中, 关闭盖或插入插头 (不带 45° 适配器) 时: IP66;
- 当安装在塑料外壳中, 关闭盖或插入插头 (不带 45° 适配器) 时: IP66;
- 当安装在不锈钢外壳中, 关闭盖或插入插头 (带 45° 适配器) 时: IP66;
- 当安装在塑料外壳中, 关闭盖或插入插头 (带 45° 适配器) 时: IP64。

(未插入插头时, 必须彻底关闭盖)

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：2020312308000043

证书附页：第 3 页 共 3 页

防爆标志：Ex db eb IIC Gb, Ex tb IIIC 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：

- 8573/15 型法兰插座应安装在符合 GB/T3836.1 标准要求的外壳上。只有在正确安装该设备的情况下，才能确保 IP 防护等级。设备应与环境条件相适应。
- 如果将法兰插座 8573/15 型安装在增安型“e”的外壳内，则其电气间隙和爬电距离应满足 GB/T3836.3 第 4.3、4.4 条和表 2 中的要求。
- 8573/15 型法兰插座的连接电缆应固定好走线，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。
- 本产品与插头的装配需要由认证机构进行评估。
- 这些情况应以适当的形式告知用户，可以注释在说明书中。例如：
 - 警告 - 为了确保 IP 防护等级，必须将插头插入并拧紧到止动点。并且，当未插入插头时，必须关闭并拧紧插座口上的防护铰接盖直到止动点。必须使用适当的扭矩来紧固接线盒的盖子。
 - 警告 - 潜在静电电荷危险 - 见使用说明书。
- 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。



南阳防爆电气研究所有限公司

