

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312308000041

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
8570/**-***-**

Ex db eb IIC Gb, Ex tb IIIC Db; Ex 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

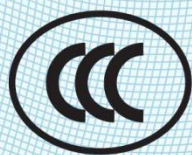
Detailed information and status of this certificate is available by using the QR code,
visiting CNEx's website or CNCA's website: www.cnca.gov.cn.

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



Director:

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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
- 5 = Maintenance

c Device:

- 5 = Flange socket-enclosure
- 8 = Flange socket-cover

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

g Denotes any number or character (Not affecting Ex performance)

Ambient temperature:

For Flange socket type 8570/*5-***-** :

-50°C ≤ Tamb ≤ +45°C ... 65°C / T6...T5 by current range 6 A...16 A (20 A)

For Flange socket type 8570/*8-***-** :

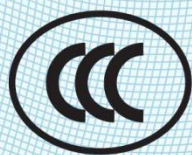
-50°C ≤ Tamb ≤ +45°C ... 65°C / T6...T5 by current range 6 A...16 A

Service temperature:



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For Flange socket type 8570/*5-***-**:

-50 °C ≤ Ts ≤ +75 °C (for the enclosure)

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

For Flange socket type 8570/*8-***-**:

-50 °C ≤ Ts ≤ +75 °C (for the enclosure)

-50 °C ≤ Ts ≤ +95 °C (for the contact sleeve carrier)

Electrical Data:

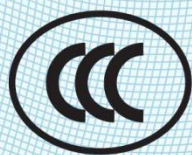
Type 8570/*5

	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	1 or 2 x 1.5 ... 6 mm ² (16 ... 10 AWG) solid		



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type 8570/*5-**	1 or 2 x 1.5 ... 4 mm ² (16 ... 12 AWG) stranded
Terminal capacity for auxiliary contacts	1 or 2 x 0.5 ... 2.5 mm ² (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 NmCable

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

Type 8570/*8

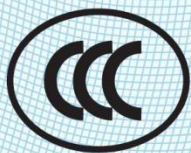
	Main contacts
Max. rated operational voltage	690V AC/230V DC
Max. rated insulation voltage	690V AC
Max. rated impulse withstand voltage (U _{imp})	max. 6 kV (load disconnect switch) 4 kV (control switch)
Max. rated operational current	16A
Max. rated frequency	0-500Hz
Short-circuit protection	16A gG (without thermal protection) 35A gG (with thermal protection)
Terminal capacity for Flange socket type 8570/*8-**	2.5 mm ² (14 AWG) stranded and 4 mm ² (12 AWG) 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

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



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When mounted and cover closed or plug inserted: IP64.

(Cover must be closed thoroughly 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 Gb, Ex tb IIIC Db for 8570/*5-***-**

Ex eb IIC Gb, Ex tb IIIC Db for 8570/*8-***-**

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

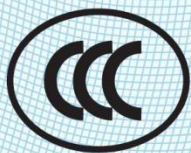
2. Specific conditions of use:

- The flange socket of type 8570/*-***-** shall be mounted on an enclosure that meets the requirements of an approved type of protection as specified in GB/T3836.1 The degree of protection IP will only be safeguarded if the flange socket is properly installed. The enclosure must be suited for the operating conditions, and have a separate examination certificate.
- 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 plug shall be free from water and dust before is inserted to the socket.
- When mounting the flange socket type 8570/*-***-** in an enclosure of level of protection Increased Safety "eb" in accordance with GB/T3836.3, the clearance and creepage distances shall duly be complied with.
- The connecting cable of the plug 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.
- The flange 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 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 – 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
- Valid for 8570/55-***-**.
- WARNING - THE MAINTENANCE FLANGE SOCKET TYPE 8570/55-***-* IS TO BE SECURED FOR SWITCHING WITH THE HELP OF A PADLOCK. SWITCHING ON AND OPERATING THE MAINTENANCE FLANGE SOCKET IS ONLY PERMITTED IF THERE IS NO EX-ATMOSPHERE PRESENT.
 - WARNING - Commissioning a maintenance flange socket type 8570/55-***-* requires the approval of the plant operator or his authorized agents.
- 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: 2020312308000041

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

8570/**-***-**

Ex db eb IIC Gb, Ex tb IIIC Db; Ex 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：2020312308000041

证书附页：第 1 页 共 4 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	g

a 系列型号

b 设计编号：

1 = 标准型

2 = 北美型

5 = 维护型

c 设备：

5 = 法兰插座 - 外壳

8 = 法兰插座 - 面板

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/频率/颜色

f 密封材料

B = 不含硅

S = 含硅

g 表示任何数字或字符（与防爆性能无关）

使用环境温度：

本页为证书附页，应与证书主页同时使用。



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8570/*5-***-**型插座：

$-50^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C} \cdots +65^{\circ}\text{C}$ T6/T5 电流范围 6A-16A (20A)

8570/*8-***-**型插座：

$-50^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C} \cdots +65^{\circ}\text{C}$ T6/T5 电流范围 6A-16A

工作温度：

8570/*5-***-**型插座：

$-50^{\circ}\text{C} \leq T_{\text{s}} \leq +75^{\circ}\text{C}$ (外壳)

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

8570/*8-***-**型插座：

$-50^{\circ}\text{C} \leq T_{\text{s}} \leq +75^{\circ}\text{C}$ (外壳)

$-50^{\circ}\text{C} \leq T_{\text{s}} \leq +95^{\circ}\text{C}$ (触点组件)

电气参数：

8570/*5

	主触点		辅助触点
	3 极	4、5 极	
最高工作电压	500V AC /110V DC	690V AC /110V DC	500V AC /110V DC
最高绝缘电压	550V AC	750V AC	550V AC
最高工作电流	16A/20A		6A
切换能力	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
额定频率	0-500Hz		
短路保护	16A gG (无热保护) 35A gG (有热保护)		
8570 / * 5-** 型插座的端子 容量	1 或 2 x 1.5...6 mm ² (16...10 AWG) 刚性导线 1 或 2 x 1.5...4 mm ² (16...12 AWG) 绞合导线		
辅助触点的端 子容量	1 或 2 x 0.5...2.5 mm ² (20...14 AWG) 刚性导线或绞合导线		
PE 导体尺寸	大于等于线缆/负载横截面		
拧紧扭矩	端子：1.2Nm 法兰插座的固定螺丝：2.3Nm		

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: 2020312308000041

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注: 绞线可以带或不带束线套。

8570/*8

	主触点
最高工作电压	690V AC/230V DC
最高绝缘电压	690V AC
最高冲击电压	max. 6kV (负载断开开关) 4kV (控制开关)
最高工作电流	16A
额定频率	0-500Hz
短路保护	16A gG (无热保护) 35A gG (有热保护)
8570 / * 8-** 型插座的端子 容量	2.5 mm ² (14 AWG) 和 4 mm ² (12 AWG) 绞合导线
PE 导体尺寸	大于等于线/负载横截面
拧紧扭矩	端子: 1.2Nm 法兰插座的固定螺丝: 2.3Nm

注: 绞合导线可以带或不带束线套。

安装后盖关闭或插入插头时: IP64

(未插入插头时, 必须彻底关闭盖子。插头在插入法兰插座前应无水和无尘)。

防爆标志: Ex db eb IIC Gb, Ex tb IIIC Db (8570/*5-***-**)

Ex eb IIC Gb, Ex tb IIIC Db (8570/*8-***-**)

- 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:

- 8570/*5-***-**型的法兰插座应安装在符合 GB/T3836.1 标准要求的外壳中。防护等级 IP 仅适用于: 如果正确安装了法兰插座, 则可以进行保护。外壳应于环境条件相适应。

本页为证书附页, 应与证书主页同时使用。



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中国国家强制性产品认证证书

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- 为了确保 IP 防护等级, 必须将插头的卡口环拧紧到插座止动件的止动位上。或者在未插入插头时, 必须关闭插座的铰链盖并拧紧到止动位置。
- 在将插头插入插座之前, 应确保插头无水和无尘。
- 当将 8570 / **-***-**型法兰插座安装在增安型“eb”的外壳中时, 电气间隙和爬电距离应满足要求。
- 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。
- 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: 通过说明书中的备注:
 - 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 - 为了确保 IP 防护等级, 必须将插头的卡口环拧紧到插座止动件的止动位上。或者在未插入插头时, 必须关闭插座的铰链盖并拧紧到止动位置。
 - 警告 - 电缆入口口的温度高于+70°C, 需要正确选择电缆和电缆密封接头或导体。
- 适用于 8570/55-***-**:
 - 警告 - 8570/55-***-**维护型法兰插座运行时应处于锁定状态, 仅允许在非爆炸性环境操作和切换。
 - 警告 - 8570/55-***-**维护型法兰插座的调试应得到工厂操作者或其授权代理人的许可。
- 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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