



中国国家强制性产品认证证书

编 号: 2021312308000116

委 托 人	R. STAHL Schaltgeräte GmbH
地 址	Am Bahnhof 30, 74638 Waldenburg, Germany
生 产 者	R. STAHL Schaltgeräte GmbH
地 址	Am Bahnhof 30, 74638 Waldenburg, Germany
生 产 企 业	R. STAHL Schaltgeräte GmbH
生 产 地 址	Am Bahnhof 30, 74638 Waldenburg, Germany
产 品 名 称	防爆插头
型 号 规 格	8571/*2-***-*(-*)
防 爆 标 志	Ex eb IIC T6/T5 Gb, Ex tb IIIC T81°C Db
依 据 标 准	GB/T 3836.1-2021, GB/T 3836.3-2021, GB/T 3836.31-2021

认 证 模 式 型式试验+初始工厂检查+获证后监督

上述产品符合 CNCA-C23-01: 2019《强制性产品认证实施规则 防爆电气》
和 CNEX-C2301-2019《强制性产品认证实施细则 防爆电气》的要求。

产品相关信息见附页 (共 4 页)。

首次发证日期: 2022 年 02 月 12 日

颁发日期: 2023 年 04 月 24 日

有效期至: 2027 年 02 月 11 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

主任:

穆大玉



南阳防爆电气研究所有限公司



网址: www.ccc-cnex.com
ccc.china-ex.com

地址: 中国河南省南阳市仲景北路20号
电话: 0377-63239734

邮政编码: 473008
邮箱: ccc@cn-ex.com

CN 0026158



中国国家强制性产品认证证书 (附页)

编 号: 2021312308000116

第 1 页 共 4 页

产品相关信息:

1、 本证书覆盖产品如下:

- 8571/*2-***-*(-*)

命名规则:

8571	/	*	*	-	*	**	-	*	(-*)
a	/	b	c	-	d	e	-	f	g

a 系列号

b 设计

1: 标准型

2: 北美型

c 设备

2: 插头

d 极数

4: 3P+PE

5: 3P+N+PE

e 接地极位置和电压/频率/颜色

f 密封材质

B: 不含硅

S: 含硅

g 表示任何数字或字符 (与防爆性能无关)

颁发日期: 2023 年 04 月 24 日

主任:

穆大玉



南阳防爆电气研究所有限公司



网址: www.ccc-cnex.com
ccc.china-ex.com

地址: 中国河南省南阳市仲景北路20号
电话: 0377-63239734

邮政编码: 473008
邮箱: ccc@cn-ex.com



中国国家强制性产品认证证书 (附页)

编 号: 2021312308000116

第 2 页 共 4 页

使用环境温度:

带 D0122-01 密封圈的 8571/*2-***-*型插头

$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}/+65^{\circ}\text{C}$ T6/T5, 电流范围 16A~32A

带 D0123-01 密封圈的 8571/*2-***-*型插头

$-50^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}/+65^{\circ}\text{C}$ T6/T5, 电流范围 16A~32A

工作温度:

带 D0122-01 密封圈的 8571/*2-***-*型插头

$-40^{\circ}\text{C} \leq T_{\text{s}} \leq +75^{\circ}\text{C}$ (对于外壳和引入装置)

$-40^{\circ}\text{C} \leq T_{\text{s}} \leq +95^{\circ}\text{C}$ (对于接线端子)

带 D0123-01 密封圈的 8571/*2-***-*型插头

$-50^{\circ}\text{C} \leq T_{\text{s}} \leq +75^{\circ}\text{C}$ (对于外壳和引入装置)

$-50^{\circ}\text{C} \leq T_{\text{s}} \leq +95^{\circ}\text{C}$ (对于接线端子)

电气参数:

	主要参数
	极数 4: 3P+PE 极数 5: 3P+N+PE
最高工作电压	690V AC/110V DC
最高绝缘电压	750V AC
最大工作电流	32A
频率范围	0-500Hz
短路保护	35A gG
8571/*2-**插头端子容量	1 x 2.5-10mm ² (12...8AWG) 绞合导线
PE 导体尺寸	最大 10mm ²

颁发日期: 2023 年 04 月 24 日

主任:

穆大玉



南阳防爆电气研究所有限公司



中国认可
产品
PRODUCT
CNAS C208-P

网址: www.ccc-cnex.com
ccc.china-ex.com

地址: 中国河南省南阳市仲景北路20号
电话: 0377-63239734

邮政编码: 473008
邮箱: ccc@cn-ex.com



中国国家强制性产品认证证书 (附页)

编 号: 2021312308000116

第 3 页 共 4 页

拧紧力矩	端子: 1.2Nm 接线盒盖: 1.0Nm 进线压紧螺钉: 0.5Nm 电缆应力消除: 1.5Nm
引入装置夹紧范围	13...25mm
插头引入装置	13...25mm 环 1+2+3+4+5: 13...16mm 环 2+3+4+5: 16...19mm 环 3+4+5: 19...22mm 环 4+5: 22...25mm

注: 绞线适用于带或不带束线圈

外壳防护等级: IP64 (在将插头插入插座之前, 应确保插头无水无尘)。

防爆标志: Ex eb IIC T6/T5 Gb, Ex tb IIIC T81°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:

- 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, 应确保插头无水无尘。
- 本产品的连接电缆应固定好布线, 以充分保护其免受机械损伤。
- 制造商规定的不同尺寸的电缆, 均按照标准 GB/T3836.1 附录 A 进行了夹紧试验。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。
- 如果引入点的温度超过 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。

颁发日期: 2023 年 04 月 24 日

主任: 穆大玉



南阳防爆电气研究所有限公司



网址: www.ccc-cnex.com
ccc.china-ex.com

地址: 中国河南省南阳市仲景北路20号
电话: 0377-63239734

邮政编码: 473008
邮箱: ccc@cn-ex.com



中国国家强制性产品认证证书 (附页)

编 号: 2021312308000116

第 4 页 共 4 页

- 插头不得用于发生以下工艺过程的粉尘场所: 产生大量电荷的工艺过程、机器摩擦和分离过程、电子喷涂 (例如静电涂层系统周围) 和气动输送粉尘。
- 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 - 引入点的温度高于+70℃, 需正确选择电缆和电缆引入装置或导管中的导体。
- 其他见产品使用说明书。

3、证书关联报告:

- 产品型式试验报告: CQST2112C004, CQST2112C004/01
- 工厂检查报告: CN2022Q030187

4、证书变更信息:

- 2023 年 04 月 24 日第 1 次变更:
 - (1) 产品认证依据标准变更。
 - (2) 型号由 8571/*2-***-*变更为 8571/*2-***-*(-*)。

颁发日期: 2023 年 04 月 24 日

主任:

穆大玉



南阳防爆电气研究所有限公司



网址: www.ccc-cnex.com
ccc.china-ex.com

地址: 中国河南省南阳市仲景北路20号
电话: 0377-63239734

邮政编码: 473008
邮箱: ccc@cn-ex.com



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312308000116

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 8571/*2-***-*(-*)
Ex marking Ex eb IIC T6/T5 Gb, Ex tb IIIC T81°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 sample(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 (5 pages).

Initial issue date: 2022-02-12

Issued date: 2023-04-24

Valid to: 2027-02-11

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:

穆大玉



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
Tel: 0377-63239734

P.C.: 473008

Email: ccc@cn-ex.com

CN 0001960



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2021312308000116

Page 1 of 5

Product information:

1. This certificate covers the following models:

- 8571/*2-***-*(-*)

Nomenclature:

8571	/	*	*	-	*	**	-	*	(-*)
a	/	b	c	-	d	e	-	f	g

a: Type series

b: Design:

1 = Standard

2 = North America

c: Device:

2 = Plug

d: Poles:

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 Plug type 8571/*2-***-*(-*) with sealing ring made of D0122-01:

$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C} \dots 65^{\circ}\text{C}$ / T6 ... T5 by current range 16 A...32A

Issued date: 2023-04-24

Director:

穆大玉



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 P.C.: 473008
Tel: 0377-63239734 Email: ccc@cn-ex.com



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2021312308000116

Page 2 of 5

For Plug type 8571/*2-***-*(-*) with sealing ring made of D0123-01:
-50°C ≤ T_{amb} ≤ +40°C ... 65°C / T6 ... T5 by current range 16 A...32A

Service temperature:

For Plug type 8571/*2-***-*(-*) with sealing ring made of D0122-01:

-40°C ≤ T_s ≤ +75°C (for the enclosure and cable gland)

-40°C ≤ T_s ≤ +95°C (for terminals)

For Plug type 8571/*2-***-*(-*) with sealing ring made of D0123-01:

-50°C ≤ T_s ≤ +75°C (for the enclosure and cable gland)

-50°C ≤ T_s ≤ +95°C (for terminals)

Electrical Data:

	Main contacts
	4, 5 poles
Max. rated operational voltage	690V AC/110V DC
Max. rated insulation voltage	750V AC
Max. rated operational current	32A
Rated frequency	0-500Hz
Short-circuit protection	35A gG
Terminal capacity for plug type 8571/*2-**	1 x 2.5-10mm ² (12...8AWG) stranded
PE conductor size	Max.10mm ²
Tightening torque	Terminals: max.1.2Nm
	Terminal compartment cover: max.1.0Nm

Issued date: 2023-04-24

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 P.C.: 473008
Tel: 0377-63239734 Email: ccc@cn-ex.com



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2021312308000116

Page 3 of 5

	Cable gland screw: 0.5Nm Cable strain relief: 1.5Nm
Clamping range of cable gland	13 up to 25 mm
Cable entries (of the Plug)	13 up to 25 mm Ring 1 + 2 + 3 + 4 +5: 13 up to 16 mm Ring 2 + 3 + 4 +5: 16 up to 19 mm Ring 3 + 4 +5: 19 up to 22 mm Ring 4 +5: 22 up to 25 mm

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

Ingress protection: IP64

(The plug shall be free from water and dust before is inserted to the flange socket.)

Ex marking: Ex eb IIC T6/T5 Gb, Ex tb IIIC T81°C Db

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

2. Specific conditions of safety use:

- 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 8571/**-***-* 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

Issued date: 2023-04-24

Director:

穆大玉



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





CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2021312308000116

Page 4 of 5

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, 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: CQST2112C004, CQST2112C004/01
 - Factory inspection report: CN2022Q030187
4. Certificate change information:
- Issued date: 2023-04-24

Director:



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





CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

No.: 2021312308000116

Page 5 of 5

- 1st change on April 24, 2023:

- (1) Updated the standards for certification.
- (2) Changing the model form 8571/*2-***-* to 8571/*2-***-*(-*).

Issued date: 2023-04-24

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
Tel: 0377-63239734

P.C.: 473008

Email: ccc@cn-ex.com