



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2022312313000495

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 Bushing
Model/Type 8171/**-**
Ex marking Ex db eb IIC Gb
Reference Standards GB/T3836.1-2021, GB/T3836.2-2021, GB/T3836.3-2021

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(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 (3 pages)

Initial issue date: 2022-04-24

Issued date: 2023-04-17

Valid to: 2027-04-23

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:



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



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CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2022312313000495

Page 1 of 3

Product information:

1. This certificate covers the following models:

- 8171/**_**

Nomenclature:

8171	/	**	-	**
		1)		2)

1) Design variation

2) Terminations

1. Symbol = Terminal in terminal compartment

2. Symbol = Terminal in flameproof chamber

A = Hexagon head screw with lock washer and clamp

B = Cheese head or hexagon head screw with lock washer (permissible only on Ex d side)

C = Saddle clamp

D = Terminal piece for cable lug connection

F = Flat terminal

G = Thread connector

K = Split post with hexagon nut and pressure plate

L = Solder socket

R = Hood type terminal (round) on split post

S = Hood type terminal (hexagon) on split post

Z = Cheese head screw with lock washer and clamp

Electrical data:

Type	Max. Rated voltage in V	Thread type and size
8171/01	690	M15×1.5
8171/02	690	M15×1.5

Issued date: 2023-04-17

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(Annex)

No.: 2022312313000495

Page 2 of 3

8171/03	690	M15×1.5
8171/06	440	M42×1.5
8171/07	1100	M42×1.5
8171/09	1100	M42×1.5
8171/14	550	M42×1.5
8171/15	440	M14×1.5
8171/17	440	M15×1.5
8171/18	690	M20×1.5
8171/20	440	M10×1.5
8171/24	690	M20×1.5
8171/42	880	M15×1.5
8171/43	880	M15×1.5
8171/48	880	M20×1.5
8171/51	1100	M42×1.5
8171/55	1100	M42×1.5
8171/56	1100	M42×1.5
8171/PE	--	M20×1.5
8171/PE	--	M33×1.5

Rated cross section *	max. 300 mm ²
Number of bolts *	1 to 6
Service temperature	-55 °C to +130 °C

For determination the max. current carrying capacity of the bushing conductor and wires, the self-heating and the temperature rise of the enclosure at the place of installation at the maximum permissible ambient temperature should be assumed.

* : according to the type and design of the bushing and connection head.

Ex marking: Ex db eb IIC Gb

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

Issued date: 2023-04-17

Director:

穆大玉



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





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(Annex)

No.: 2022312313000495

Page 3 of 3

2. Specific conditions of safety use:

- The connection of the wires of the bushing must be made in enclosures meeting a type of protection to GB/T3836.1, section 1.
- When installing the bushing type 8171/**-** in an enclosure designed to Increased Safety "e" type of protection in compliance with GB/T3836.3, the clearance and creepage distances have to be specified in section 4.3, 4.4 and table 2.
- The bushing should be involved to the type test to GB/T3836.2, section 15.2.3 (Overpressure test) according to the group subdivision of the respective electrical apparatus (Group I, IIA, IIB or IIC) if the reference pressure exceeds 20 bar.
- The bushings must be fixed to the electrical equipment in such a way that they are secured against rotation and self-loosening.
- Threaded holes, in which bushings with internal threads are screwed in, have to meet the minimum requirements of GB/T3836.2, section 5.3 (table 4). These bushings are suitable for installation into electrical equipment with type of protection flameproof enclosure "d" of groups I, IIA, IIB or IIC.
- The classification of the temperatures to the temperature class of the bushing is to be determined in the type test of the respective electrical equipment.
- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2204C013, CQST2204C013/01
- Factory inspection report: CN2022Q030187

4. Certificate change information:

- 1st change on April 17, 2023:
 - (1) Updated the standards for certification.
 - (2) Removed Ex d e I Mb.

Issued date: 2023-04-17

Director:



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





中国国家强制性产品认证证书

编号: 2022312313000495

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	防爆接线柱型套管
型号规格	8171/**-**
防爆标志	Ex db eb IIC Gb
依据标准	GB/T3836.1-2021, GB/T3836.2-2021, GB/T3836.3-2021

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 3 页)。

首次发证日期: 2022 年 04 月 24 日

颁发日期: 2023 年 04 月 17 日

有效期至: 2027 年 04 月 23 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



中国认可
产品
PRODUCT
CNAS C208-P

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中国国家强制性产品认证证书 (附页)

编 号: 2022312313000495

第 1 页 共 3 页

产品相关信息:

1、本证书覆盖产品如下:

- 8171/**-**

命名规则:

8171	/	**	-	**
		1)		2)

1) 设计型号

2) 端子

第一个符号 = 接线腔内的接线柱

第二个符号 = 隔爆腔内的接线柱

A = 带锁紧垫圈和压线片的六角头螺钉

B = 带锁紧垫圈的圆头或六角头螺钉 (仅允许在 Ex db 侧使用)

C = 鞍形压线片

D = 电缆接线片连接的端子件

F = 扁平端子

G = 螺纹连接件

K = 带六角螺母和压板的分体式接线柱

L = 焊接插孔

R = 带螺纹罩的分体式接线柱 (圆形)

S = 带螺纹罩的分体式接线柱 (六角形)

Z = 带锁紧垫圈和压线片的圆头螺钉

颁发日期: 2023 年 04 月 17 日

主任: 穆大玉



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中国国家强制性产品认证证书

(附页)

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第 2 页 共 3 页

电气参数:

型号	最大额定电压 V	螺纹类型及尺寸
8171/01	690	M15×1.5
8171/02	690	M15×1.5
8171/03	690	M15×1.5
8171/06	440	M42×1.5
8171/07	1100	M42×1.5
8171/09	1100	M42×1.5
8171/14	550	M42×1.5
8171/15	440	M14×1.5
8171/17	440	M15×1.5
8171/18	690	M20×1.5
8171/20	440	M10×1.5
8171/24	690	M20×1.5
8171/42	880	M15×1.5
8171/43	880	M15×1.5
8171/48	880	M20×1.5
8171/51	1100	M42×1.5
8171/55	1100	M42×1.5
8171/56	1100	M42×1.5
8171/PE	--	M20×1.5
8171/PE	--	M33×1.5

额定横截面积 *	最大 300 mm ²
螺栓数量 *	1 ~ 6
工作温度	-55 °C ~ +130 °C

颁发日期: 2023 年 04 月 17 日

主任: 穆大玉



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中国国家强制性产品认证证书 (附页)

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第 3 页 共 3 页

为确定套管导体和导线的最大载流能力,所安装壳体的自热和温升应假设安装点在最大允许环境温度时。

*: 根据套管和连接头的类型选择

防爆标志: Ex db eb IIC Gb

- 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:

- 套管导线的连接须在符合 GB/T 3836.1 第 1 章规定的保护类型的外壳中。
- 8171/**-**型套管安装到符合 GB/T 3836.3 的增安型 “e” 的外壳中时, 电气间隙和爬电距离必须符合第 4.3 章、第 4.4 章和表 2 的规定。
- 如果参考压力超过 20 bar, 则套管应根据相应电气设备 (I、IIA、IIB 或 IIC 类别) 的细分进行 GB/T 3836.2 第 15.2.3 章 (过压试验) 的型式试验。应考虑在低温环境下的影响。
- 套管必须固定安装在电气设备上, 防止旋转和松动。
- 套管的螺纹套旋入的螺纹孔必须满足 GB/T 3836.2 第 5.3 章 (表 4) 的最低要求。这些套管适合安装到 I、IIA、IIB 或 IIC 类别隔爆外壳 “d” 保护的电气设备中。
- 套管的温度组别应在相应电气设备的型式试验中确定。
- 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: CQST2204C013, CQST2204C013/01
- 工厂检查报告: CN2022Q030187

4、证书变更信息:

- 2023 年 04 月 17 日第 1 次变更:

(1) 产品认证依据标准变更;

(2) 删除了 Ex d e I Mb。

颁发日期: 2023 年 04 月 17 日

主任:

穆大玉



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