



中国国家强制性产品认证证书

编 号: 2022312313000496

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	防爆导线套管
型 号 规 格	8174/***-****-****-**
防 爆 标 志	Ex db IIC Gb
依 据 标 准	GB/T3836.1-2021, GB/T3836.2-2021

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 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



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 0026133



中国国家强制性产品认证证书 (附页)

编 号: 2022312313000496

第 1 页 共 4 页

产品相关信息:

1、本证书覆盖产品如下:

- 8174/**_****_****_**

命名规则:

8174	/	*	**	-	**	**	-	****	-	**
		1)	2)		3)	4)		5)		6)

1) 类型

1 = 旋入式

2 = 插入式

2) 螺纹尺寸 / 套管尺寸

10 = M16 x 1.5

09 = M20 x 1.5

02 = M24 x 1.5

03 = M33 x 1.5 / Ø 34 mm

07 = M36 x 1.5

04 = M42 x 1.5 / Ø 41 mm

05 = M48 x 1.5 / Ø 48 mm

3) 导线数量

4) 额定横截面积

13 = 0.5 mm²

01 = 0.75 mm²

12 = 1.0 mm²

颁发日期: 2023 年 04 月 17 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: 2022312313000496

第 2 页 共 4 页

- 02 = 1.5 mm²
- 03 = 2.5 mm²
- 04 = 4.0 mm²
- 05 = 6.0 mm²
- 06 = 10 mm²
- 07 = 16 mm²
- 08 = 25 mm²
- 09 = 35 mm²
- 10 = 50 mm²
- 11 = 70 mm²

- 5) 与防爆无关的数字或字母
- 6) 与防爆无关的数字或字母

电气参数:

额定电压 * U ₀ /U	最高	300 V / 500 V 300 V / 600 V 450 V / 750 V 600 V / 1000 V 10 kV
额定横截面积	0.5 mm ² 至 70 mm ²	
导线数量	1 ... 72	
螺纹类型及尺寸	M16 × 1.5 至 M48 × 1.5	
套管直径	(34 ^{-0.01} _{-0.06} 至 48 ^{-0.01} _{-0.06})mm	
套管配合面宽度	≥ 25 mm	
*: 以使用的电缆为准		

颁发日期: 2023 年 04 月 17 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: 2022312313000496

第 3 页 共 4 页

电气设备正常运行时防爆导线套管的最高工作温度	
浇封树脂	-55 °C ~ +120 °C
H07RN-F	-25 °C ~ +60 °C *
NSSHÖU	-40 °C ~ +90 °C
NSGAFÖU	-25 °C ~ +80 °C *
S07G-K	-25 °C ~ +110 °C *
H07G-K	-25 °C ~ +110 °C *
S0-AZLK	-30 °C ~ +120 °C
H05V-K	-5 °C ~ +70 °C 柔性布线 -30 °C ~ +80 °C 永久布线
AWM UL1015 AWG 4 至 AWM UL1015 AWG 20	-15 °C ~ +105 °C
AWM UL1007 AWG 16 至 AWM UL1007 AWG 20	-15 °C ~ +80 °C
*: -40 °C 时用于永久接线	

电缆的最大载流能力应根据自身发热率和安装的电气设备在允许的最高环境温度下的发热率来确定, 还应适当考虑浇封树脂的温度和电缆的质量。

防爆标志: Ex db 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:

- 防爆导线套管拧入的螺纹孔必须满足 GB/T 3836.2 第 5.3 章 (表 4) 的最低要求。
- 防爆导线套管的圆筒形接合面与安装孔的配合间隙应符合 GB/T 3836.2 表 2 或表 3

颁发日期: 2023 年 04 月 17 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: 2022312313000496

第 4 页 共 4 页

(圆筒形接合面)的要求, 接合面的平均粗糙度 Ra 不得超过 $6.3\mu\text{m}$ 。

- 有圆筒形接合面的防爆导线套管应根据相关电气设备的类别 (IIA、IIB 或 IIC) 的要求, 按照 GB/T 3836.2 第 15 章的要求进行型式试验。
- 如果参考压力超过 20 bar, 则套管应根据相应电气设备的类别 (IIA、IIB 或 IIC) 进行 GB/T 3836.2 第 15.2.3 章 (过压试验) 的型式试验。
- 防爆导线套管的温度组别应同时考虑耐热性的条件下, 在相应电气设备的型式试验中确定。
- 防爆导线套管必须固定安装在电气设备上, 防止旋转和松动。
- 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: CQST2204C014, CQST2204C014/01
- 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 I Mb。

颁发日期: 2023 年 04 月 17 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.: 2022312313000496

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 Conductor bushing
Model/Type 8174/***-****-****-**
Ex marking Ex db IIC Gb
Reference Standards GB/T3836.1-2021, GB/T3836.2-2021

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(4 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.



<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 0001980



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2022312313000496

Page 1 of 4

Product information:

1. This certificate covers the following models:

- 8174/**_****_****_**

Nomenclature:

8174	/	*	**	-	**	**	-	****	-	**
		1)	2)		3)	4)		5)		6)

1) Design

1 = screwable

2 = plugable

2) thread size / bushing size

10 = M16 x 1.5

09 = M20 x 1.5

02 = M24 x 1.5

03 = M33 x 1.5 / Ø 34 mm

07 = M36 x 1.5

04 = M42 x 1.5 / Ø 41 mm

05 = M48 x 1.5 / Ø 48 mm

3) Number of cores

4) Rated cross section

13 = 0.5 mm²

01 = 0.75 mm²

12 = 1.0 mm²

02 = 1.5 mm²

03 = 2.5 mm²

04 = 4.0 mm²

05 = 6.0 mm²

06 = 10 mm²

Issued date: 2023-04-17

Director:

穆大玉



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





CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2022312313000496

Page 2 of 4

07 = 16 mm²

08 = 25 mm²

09 = 35 mm²

10 = 50 mm²

11 = 70 mm²

5) Numerals or letters without influence to explosion-protection

6) Numerals or letters without influence to explosion-protection

Electrical data

Electrical data		
Rated voltage * U ₀ /U	up to	300 V / 500 V 300 V / 600 V 450 V / 750 V 600 V / 1000 V 10 kV
Rated cross section	0.5 mm ² to 70 mm ²	
Number of cores	1 ... 72	
Type and size of thread	M16 × 1.5 to M48 × 1.5	
Sleeve diameter	(34 ^{-0.01 -0.06} – 48 ^{-0.01 -0.06})mm	
Sleeve gap width	≥ 25 mm	
* : subject to cable used		

Max. local operating temperature of conductor bushing under normal operating conditions of the electrical apparatus	
cast resin	-55 °C to +120 °C
H07RN-F	-25 °C to +60 °C *
NSSHÖU	-40 °C to +90 °C

Issued date: 2023-04-17

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.: 2022312313000496

Page 3 of 4

NSGAFÖU	-25 °C to +80 °C *
S07G-K	-25 °C to +110 °C *
H07G-K	-25 °C to +110 °C *
S0-AZLK	-30 °C to +120 °C
H05V-K	-5 °C to +70 °C flexible wiring -30 °C to +80 °C permanent wiring
AWM UL1015 AWG 4 to AWM UL1015 AWG 20	-15 °C to +105 °C
AWM UL1007 AWG 16 to AWM UL1007 AWG 20	-15 °C to +80 °C
*: -40 °C for permanent wiring	

The maximum current carrying capacity of cables shall be established on the basis of the self-heating rate and the heating rate of the installed electrical apparatus at maximum permissible ambient temperature; due consideration shall be given to the temperature of the cast resin under operating conditions and the cable quality.

Ex marking: Ex db IIC Gb

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

2. Specific conditions of safety use:

- Threaded holes into which the conductor bushing will be screwed shall meet the requirements of GB/T 3836.2, section 5.3 (table 4) as a minimum.

- Holes accommodating the conductor bushing with cylindrical gap shall meet the requirements of GB/T 3836.2 tables 2 or 3 (cylindrical gaps) as a minimum, the gap surface must not exceed an average peak-to-valley height of Ra 6.3 µm.

- The conductor bushing with cylindrical gap shall be included in the type test according

Issued date: 2023-04-17

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.: 2022312313000496

Page 4 of 4

to GB/T 3836.2, section 15, as required by the classification (IIA, IIB or IIC) of the electrical apparatus in question.

- If the reference pressure exceeds 20 bar, the conductor bushing shall be included in the type test according to GB/T 3836.2, section 15.2.3 (overpressure test), as required by the classification of the electrical apparatus in question (classes IIA, IIB or IIC).

- The way in which temperature class will have to be associated with the temperature resistance of the conductor bushing shall be specified in the type test of the electrical apparatus in question.

- The conductor bushing shall be fixed in the electrical apparatus in such a way that rotation and self-loosening will be prevented.

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2204C014, CQST2204C014/01

- Factory inspection report: CN2022Q030187

4. Certificate change information:

- 1st change on April 17, 2023:

(1) Updated the standards for certification.

(2) Removed Ex d I Mb.

Issued date: 2023-04-17

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