



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312304001077

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

Load and motor switch

8549/a-bcd

Ex db eb IIC Gb

Standards

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

**This product(s) complies with the requirements of CNCA-C23-01: 2024
China Compulsory Certification Implementation Rule on Explosion
Protected Electrical Product.**

Issue date: 2026-04-27 Valid to: 2031-05-26

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.



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Product information:

1. This certificate covers the following models:

- 8549/a-bcd

Nomenclature:

Load and motor switch	Type 8549/a-bcd
a	Design variation
b	Number of poles: 3=3P, 4=3P+N
c, d	Number of letters without influence to explosion-protection

Dimensions and volume:

Length	ca. 206 mm
Width	ca. 147 mm
Width for every additional PE/N switch chamber	ca. 49mm
Height	ca. 123 mm
Volume of every switch chamber	ca. 99.7 cm ³

Rated Data:

Rated isolation voltage		800V
Rated voltage, up to	Main contacts	690V
	Auxiliary contacts	500V
Rated current, up to	Main contacts	180A
	Auxiliary contacts	6A
The switch for auxiliary contacts is also suitable for connecting intrinsically		



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safe circuits.

Rated tolerance limits:

Rated voltage, up to	400V	500V	690V	690V	220V	220V
Rated current, up to	180A	150A	125A	180A	180A	180A
Main contacts						
Rated current, up to	6A	6A	--	--	6A	
Auxiliary contacts						
Utilization category	AC 3	AC 3	AC 3	AC 1	DC 1	DC 23

Rated conductor size:

Rated conductor size:			
Main contacts	Connection using one conductor		Tightening torque
	35mm ² to 150mm ²	stranded	
	50mm ² to 150mm ²	finely-stranded	
	6mm ² to 10mm ² , with insertion prism	single-wired and finely-stranded	
	max. 150 mm ² with cable lug, with clamping plate and insertion prism	with cable lug	
	Connection using several conductors		
	2×25mm ² to 2× 50mm ²	stranded	
	2×35mm ² to 2×50mm ²	finely-stranded	
	2×25mm ² to 2×50mm ²	finely	



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		stranded, with end covering sleeve	
	max. 2 x 150 mm ² with clamping plate and insertion prism	with cable lug	
Pick-off terminal block	0.5mm ² to 10mm ²	one conductor, finely stranded	1.5...1.8Nm
Auxiliary contacts	1.5mm ² to 2.5mm ²	one conductor, finely stranded	0.4Nm

Ex marking: Ex db eb IIC Gb

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

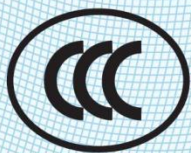
2. Specific conditions of use:

- Service temperature range: -50 °C ~+100 °C for EP Neonite SK60 L8F+G(D0005-00); -60°C~+100°C for Neonit SK60 L8F(D0005-01) and Lopreg SMC 0049/P055(D0305-02).
- The load and motor switch, type 8549/a-bcd has to be mounted in an enclosure that meets the requirements of an approved type of protection as specified in GB/T 3836.1, section 1.
- When installing the load and motor switch, type 8549/a-bcd in an enclosure designed to Increased Safety “e” type of protection in compliance with GB/T 3836.3, the clearance and creepage distances



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have to be specified in section 4.3 and 4.4.

- The connecting cables of the load and motor switch, type 8549/a-bcd shall be fixed and routed so that it will be adequately protected against mechanical damage.
- The use of this component requires a further assessment by an ExCB.
- 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: 2021-05-27(YY/MM/DD)



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: 2021312304001077

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

防爆负荷和马达开关

8549/a-bcd

Ex db eb IIC Gb

产品标准和技术要求

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

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: 2026年04月27日 有效期至: 2031年05月26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：2021312304001077

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：

- 8549/a-bcd

命名规则：

防爆负荷马达开关	8549/a-bcd
a	设计代码
b	极数：3=3P，4=3P+N
c, d	与防爆无关的字母或数字

尺寸和容积：

长	约 206mm
宽(3 极)	约 147mm
每个额外的 PE / N 开关腔的宽度	约 49mm
高	约 123mm
每个开关腔的容积	约 99.7cm ³

额定参数：

额定绝缘电压	800V
额定电压	主触点 690V
	辅助触点 500V
额定电流	主触点 180A
	辅助触点 6A

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：2021312304001077

证书附页：第 2 页 共 3 页

辅助触点的开关适用于连接本质安全电路

额定限值：

额定电压，不高于	400V	500V	690V	690V	220V	220V
额定电流，不高于主触点	180A	150A	125A	180A	180A	180A
额定电流，不高于辅助触点	6A	6A	—	—	6A	
使用类别	AC 3	AC 3	AC 3	AC 1	DC 1	DC 23

额定导体尺寸

主触点	单导体连接		拧紧力矩	
	35mm ² ~ 150mm ²		多芯导线	25...30Nm
	50mm ² ~ 150mm ²		细绞线	
	6mm ² ~ 10mm ² ，带安装适配件		单芯或细绞线	
	最大 150mm ² （带电缆端头），带安装适配件		带电缆端头	
	多导体连接			
	2×25mm ² ~ 2×50mm ²		多芯导线	
	2×35mm ² ~ 2×50mm ²		细绞线	
	2×25mm ² ~ 2×50mm ²		细绞线带端头	

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：2021312304001077

证书附页：第 3 页 共 3 页

	最大 2 x 150 mm ² （带电缆端头），带 安装适配件	带电缆端头	
分线端子	0.5mm ² to 10mm ²	单芯或细绞 线	1.5...1.8N m
辅助触点	1.5mm ² to 2.5mm ²	单芯或细绞 线	0.4Nm

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：

- 外壳材质为 EP Neonite SK60 L8F+G (D0005-00) 时工作温度：-50℃~+100℃；外壳材质为 Neonit SK60 L8F (D0005-01) 和 Lopreg SMC 0049/P055 (D0305-02) 时工作温度：-60℃~+100℃。
- 8549/a-bcd 防爆负荷和马达开关应安装在符合 GB/T 3836.1 第 1 条规定的相应防爆型式的外壳内。
- 8549/a-bcd 防爆负荷和马达开关安装在增安型外壳内时，电气间隙和爬电距离应满足 GB/T 3836.3 第 4.3、4.4 条中的要求。
- 8549/a-bcd 防爆负荷和马达开关的连接电缆应固定安装和布线，以充分保护其免受机械损坏。
- 本 Ex 元件配套使用时，需由认证机构进一步评估。
- 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：2021 年 05 月 27 日。
本页为证书附页，应与证书主页同时使用。



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