



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312304001077

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	Load and motor switch
Model/Type	8549/a-bcd
Ex marking	Ex db eb IIC Gb
Reference Standards	GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021

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 CNEC-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: 2021-05-27

Issued date: 2023-04-29

Valid to: 2026-05-26

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
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CN 0001943



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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

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The switch for auxiliary contacts is also suitable for connecting intrinsically safe circuits.

Rated tolerance limits:

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

Rated conductor size:

Main contacts	Connection using one conductor	Tightening torque
	35mm ² to 150mm ²	25...30Nm
	50mm ² to 150mm ²	
	6mm ² to 10mm ² , with insertion prism	
	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	
	2×35mm ² to 2×50mm ²	
2×25mm ² to 2×50mm ²	finely stranded,	

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	max. 2 x 150 mm ² with clamping plate and insertion prism	with end covering sleeve 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 safety 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 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.

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- See instruction for other information.
- 3. Certificate related report(s):
 - Type test report: CQST2105C008, CQST2105C008/01
 - Factory inspection report: CN2022Q030187
- 4. Certificate change information:
 - 1st change on April 29, 2023:
 - 1) Updated the standards for certification.
 - 2) Adding an alternative material the cover of the switch chamber.
 - 3) Extended of service temperature range.

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