



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2022312304001439

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 8544/1-**
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 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: 2023-04-24

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>
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Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China
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CN 0001962



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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Product information:

1. This certificate covers the following models:

- 8544/1-**

Nomenclature:

| | | | | | |
|------|---|---|---|---|---|
| 8544 | / | 1 | - | * | * |
| a | / | b | - | c | d |

- a: Type series
- b: Version: 1
- c: Number of poles
3=3P
4=3P+N
- d: additional information without reference to explosion-protection

Technical data:

| | | |
|--|---------------|------------|
| Rated insulation voltage | | 800V |
| Rated operating voltage | Main contacts | up to 690V |
| | Aux. contacts | up to 500V |
| The switch for the auxiliary contacts is also suitable for the connection of circuits in Intrinsic safety. | | |

Rated limit values:

| | | | | | |
|-------------------------------|------|------|------|-------|--------------------|
| Rated operating voltage up to | 500V | 690V | 220V | 220V | |
| Rated current up to | 80A | 63A | 80A | 80A | Main contacts |
| Utilisation category | AC 3 | AC 3 | DC 1 | DC 23 | |
| Rated current up to | 6A | 6A | 6A | 6A | Auxiliary contacts |

Provided the making and breaking capacities are met, rated values other than those specified above are acceptable and will be defined by the manufacturer on the basis of the operating mode, utilisation category, etc.

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Rated terminal cross-section:

| | |
|--------------------|--|
| Main contacts | 6 mm ² up to 10 mm ² (AWG 10 up to AWG 8) with insertion profile single-wire and finely stranded |
| | 16 mm ² up to 50 mm ² (AWG 6 up to AWG 1/0) multistranded and finely stranded |
| | 2×50 mm ² with cable lug (AWG 1/0) |
| Auxiliary contacts | 1.5 mm ² up to 2.5 mm ² (AWG 14) single-wire and finely stranded |
| Gripping terminal | 0.5 mm ² up to 10 mm ² (AWG 20 up to AWG 8) single-wire and finely stranded |

Suited for temperature class:

T6 at 80A, T_{amb} ≤ 60°C

T5 at 80A, T_{amb} ≤ 75°C

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 to +80°C.

- The load and motor switch type 8544/1-** shall be installed 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 8544/1-** is installed into an enclosure designed to type of protection Increased safety“e” as specified in GB/T 3836.3, the clearance and creepage distances given in section 4.3, section 4.4 shall duly be considered.

- When the load and motor switch type 8544/1-** is operated with intrinsic safe circuits, an additional warning plate is to be provided: “Only for intrinsic safe circuits!”

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- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2204C074, CQST2204C074/01

- Factory inspection report: CN2022Q030187

4. Certificate change information:

- 1st change on April 24, 2023: Updated the standards for certification.

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