



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312304001218

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 Indicating Lamp
Model/Type 8010/*-**
Ex marking Ex db eb IIC Gb, Ex db ia/ib IIC Gb
Reference Standards GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021,
GB/T 3836.4-2021

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: 2021-12-10

Issued date: 2023-04-23

Valid to: 2026-12-09

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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CN 0001972



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

No.: 2021312304001218

Page 1 of 3

Product information:

1. This certificate covers the following models:

- 8010/*-**

Nomenclature

8010	/	*	-	**
a	/	b		c

a) Type series

b) Design

- 2= Increased Safety ("eb") with screw terminals
- 3= Intrinsic Safety ("i") with screw terminals

c) Rated voltage (Ex eb or Ex i)

Technical data

Type 8010 – General:

Optical source	LED white
Risk group acc. GB/T20145	RG0, free, exempt from risk, no photobiological hazard
Rated operational power consumption	max. 1 W
Terminal capacity	0.75 mm ² to 2.5 mm ² , 1 or 2 flexible wires
Tightening torque	max. 1.2 Nm
Degree of protection (terminals)	IP20

Type 8010/2 – Ex eb version:

Rated operational voltage:	12 V to 240 V, AC or DC (±10 %)
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Page 2 of 3

Rated operational current	max. 10 mA
Rated operational power consumption	max. 1 W

Type 8010/3 – Ex i version:

Terminals E001, E002	type of protection Intrinsic Safety Ex ia IIC or Ex ib IIC Only for connection to a certified intrinsically safe circuit. Maximum values : $U_i = 30\text{ V}$, $I_i = 150\text{ mA}$, $P_i = 1\text{ W}$, $L_i \approx 0$, $C_i \approx 0$
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Protection against contact, entry of solids and water	Device is to be mounted within an enclosure. Terminals IP20
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Ambient Temperature:

The device is to be mounted within an enclosure; the following maximum surrounding temperatures are to be observed:

	$U \leq 24\text{ V}$	$U \leq 30\text{ V}$	$24\text{ V} < U \leq 120\text{ V}$	$U > 120\text{ V}$
8010/2	+70°C	-	+65°C	+60°C
8010/3	+65°C	+60°C	-	-

Ex marking: Ex db eb IIC Gb, Ex db ia/ib IIC Gb

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

2. Specific conditions of safety use:

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Page 3 of 3

- Rated service temperature range: -60 °C to +80 °C.
 - The indicator light shall be installed in an enclosure that meets the requirements of an approved type of protection in accordance with GB/T3836.1, section 1. When installing the indicator light in an enclosure designed to type of protection Increased Safety "e" as specified in GB/T3836.3, the clearance and creepage distances shown in section 4.4, section 4.5, and table 2 shall be duly considered.
 - See instruction for other information.
3. Certificate related report(s):
- Type test report: CQST2112C008, CQST2112C008/01
 - Factory inspection report: CN2022Q030187
4. Certificate change information:
- 1st change on April 23, 2023: Updated the standards for certification.

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