



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312304001088

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	Illuminated push button for panel mounting
Model/Type	8018/abcd-ef-g
Ex marking	See Annex
Reference Standards	GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.4-2021, GB/T 3836.9-2021, GB/T 3836.31-2021

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 (3 pages).

Initial issue date: 2021-06-22

Issued date: 2023-04-24

Valid to: 2026-06-21

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 0001956



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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Product information:

1. This certificate covers the following models:

- 8018/abcd-ef-g

Nomenclature

illuminated push button for panel mounting	Type	8018/abcd-ef-g
a	3: Design	
b	1: standard 2: intrinsic safety	
c,d,e,f,g	numerals or letters without influence to explosion-protection	

Electrical data

Luminous element	
Rated insulation voltage	550V
Type	8018/31cd-ef-g
Rated voltage	10.8V~270V AC/DC
Type	8018/32cd-ef-g
Rated voltage	10.8V~28V AC/DC
Suited for connection to intrinsically safe circuits (Signalling circuit) with the following maximum values: $U_i=28V$, $I_i=150mA$, $P_i=1W$, L_i and C_i are negligibly low	
Frequency range	0~60Hz
Push button	
Rated voltage	up to 500V

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Rated current		up to 6A	
Rated voltage	Rated current	Breaking capacity	Utilization category
max. 500V	max. 6A	max. 3000VA	AC12
max. 500V	max. 6A	max. 1250VA	AC15
max. 110V	max. 6A	max. 110W	DC13
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.			
Contact		NC – NO NC – NC NO – NO	
Rated cross section		0.75mm ²	

Ingress Protection: IP65

Ex marking:

8018/31cd-ef-g: Ex db mb IIC T6 Gb, Ex tb IIIC T80°C Db

8018/32cd-ef-g: Ex db ia mb IIC T6 Gb, Ex tb IIIC T80°C Db

- Producers should organize production in accordance with the technical documents approved by the certification body.
2. Specific conditions of safety use:
- The illuminated push button for panel mounting, type 8018/31cd-ef-g, shall be installed in such a way that its rear end is protected against mechanical damage.
 - The illuminated push button for panel mounting, type 8018/32cd-ef-g, may be operated as an intrinsically safe unit when connected to intrinsically safe circuits of category "ia" or "ib" .

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- The signaling circuit is electrically isolated from earth.
 - The maximum permissible ambient temperature range is -30°C to $+60^{\circ}\text{C}$.
 - The maximum ambient temperature has to be adjusted as required for the bezel used for the illuminated push button.
 - See instruction for other information.
3. Certificate related report(s):
- Type test report: CQST2012C074, CQST2012C074/01
 - Factory inspection report: CN2022Q030187
4. Certificate change information:
- 1st change on April 24, 2023: Updated the standards for certification.

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