

**IEC****IECEE**

®

™

Ref. Certif. No.

CN58860

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME**CB TEST CERTIFICATE**

Product

Electronic Overload Relay

Name and address of the applicant

ABB Stotz-Kontakt GmbH  
Eppelheimer Strasse 82 69123 Heidelberg Germany

Name and address of the manufacturer

ABB Stotz-Kontakt GmbH  
Eppelheimer Strasse 82 69123 Heidelberg Germany

Name and address of the factory

ABB Xinhui Low Voltage Switchgear Co.,Ltd.  
Jinguzhou Industrial Development Zone, Xinhui District,  
Jiangmen City, Guangdong Province, P.R.China

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

See the Appendix

Trademark / Brand (if any)

ABB

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

E16DU, EF19;

Additional information (if necessary may also be reported on page 2)

A sample of the product was tested and found to be in conformity with

IEC 60947-4-1:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

00901-CB2022CQC-103946

This CB Test Certificate is issued by the National Certification Body

**CHINA QUALITY CERTIFICATION CENTRE**Section 9, No. 188 Nansihuan Xilu, Beijing 100070 P. R. China  
Tel: +86-10-83886666 Fax: +86-10-83886282  
website: <http://www.cqc.com.cn>

Date: Jan.11,2023

Signature:

Xie ZhaoXu

**CB 0070213**



Ref. Certif. No.

CN58860

E16DU, EF19

Ui: 690V;

Uimp: 6kV;

Ue: 690V;

Ie: 0.1~0.32A, 0.3~1.0A, 0.8~2.7A, 1.9~6.3A, 5.7~18.9A;

Trip class:10E, 20E, 30E;

Pole:3P;

IP20;

Auxiliary contacts(body contact):

Ith: 6A;

E16DU:

AC-15: Ue/Ie: 24-240V/3A, 380-400V/1.1A, 500V/0.72A;

DC-13: Ue/Ie: 24V/1.5A, 125V/0.55A, 250V/0.27A;

EF19:

AC-15: Ue/Ie: 24-240V/3A, 380-400V/1.1A, 500V/0.75A;

DC-13: Ue/Ie: 24V/1.5A, 125V/0.55A, 250V/0.27A, 600V/0.1A;

1NO1NC

Page 1 of 1

Additional information (if necessary)

Date: Jan.11,2023

Signature:

  
Xie ZhaoXu

**IEC****IECEE**

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Ref. Certif. No.

CN58858

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME**CB TEST CERTIFICATE**

Product

Electronic Overload Relay

Name and address of the applicant

ABB Stotz-Kontakt GmbH  
Eppelheimer Strasse 82 69123 Heidelberg Germany

Name and address of the manufacturer

ABB Stotz-Kontakt GmbH  
Eppelheimer Strasse 82 69123 Heidelberg Germany

Name and address of the factory

ABB Xinhui Low Voltage Switchgear Co.,Ltd.  
Jinguzhou Industrial Development Zone, Xinhui District,  
Jiangmen City, Guangdong Province, P.R.China

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

See the Appendix

Trademark / Brand (if any)

ABB

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

E45DU, EF45;

Additional information (if necessary may also be reported on page 2)

A sample of the product was tested and found to be in conformity with

IEC 60947-4-1:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

00901-CB2022CQC-103945

This CB Test Certificate is issued by the National Certification Body

**CHINA QUALITY CERTIFICATION CENTRE**Section 9, No. 188 Nansihuan Xilu, Beijing 100070 P. R. China  
Tel: +86-10-83886666 Fax: +86-10-83886282  
website: <http://www.cqc.com.cn>

Date: Jan.11,2023

Signature:

谢肇旭

Xie ZhaoXu

**CB 0070209**



Ref. Certif. No.

CN58858

E45DU, EF45;

Ui: 690V;

Uimp: 6kV;

Ue: 690V;

Ie: 9~30A, 15~45A;

Trip class: 10E, 20E, 30E;

Pole:3P;

IP20

Auxiliary contacts(body contact):

Ith: 6A;

E45DU:

AC-15: Ue/Ie: 24-240V/3A, 380-400V/1.1A, 500V/0.72A;

DC-13: Ue/Ie: 24V/1.5A, 125V/0.55A, 250V/0.27A;

EF45:

AC-15: Ue/Ie: 24-240V/3A, 380-400V/1.1A, 500V/0.75A;

DC-13: Ue/Ie: 24V/1.5A, 125V/0.55A, 250V/0.27A, 600V/0.1A

1NO1NC

Page 1 of 1

Additional information (if necessary)

Date: Jan.11,2023

Signature:

  
Xie ZhaoXu

**IEC****IECEE**

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™

Ref. Certif. No.

CN58857

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

**CB TEST CERTIFICATE**

Product

Electronic Overload Relay

Name and address of the applicant

ABB Stotz-Kontakt GmbH  
Eppelheimer Strasse 82 69123 Heidelberg Germany

Name and address of the manufacturer

ABB Stotz-Kontakt GmbH  
Eppelheimer Strasse 82 69123 Heidelberg Germany

Name and address of the factory

ABB Xinhui Low Voltage Switchgear Co.,Ltd.  
Jinguzhou Industrial Development Zone, Xinhui District,  
Jiangmen City, Guangdong Province, P.R.China

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

See the Appendix

Trademark / Brand (if any)

ABB

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

EF65, EF96, EF146;

Additional information (if necessary may also be reported on page 2)

A sample of the product was tested and found to be in conformity with

IEC 60947-4-1:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

00901-CB2022CQC-103943

This CB Test Certificate is issued by the National Certification Body

**CHINA QUALITY CERTIFICATION CENTRE**

Section 9, No. 188 Nansihuan Xilu, Beijing 100070 P. R. China

Tel: +86-10-83886666 Fax: +86-10-83886282

website: <http://www.cqc.com.cn>

Date: Jan.11,2023

Signature:

谢肇煦

Xie ZhaoXu



CB 0070210

IEC

IECEE

Ref. Certif. No.

CN58857

EF65, EF96, EF146;

Ui: 1000V;

Uimp: 8kV;

Ue: 1000V;

Ie: EF65-70: 25-70A, EF65-56: 20-56A, EF96-56:20-56A, EF96-100: 36-100A, EF146: 54-150A;

Trip class:10E, 20E, 30E;

Number of poles:3P;

IP10;

Auxiliary Circuits (body contact):

1NO1NC

Ith: 6A;

AC-15: Ue/Ie: 24-240V/3A, 380-400V/1.1A, 500V/0.75A;

DC-13: Ue/Ie: 24V/1.5A, 125V/0.55A, 250V/0.27A,600V/0.1A

Page 1 of 1

Additional information (if necessary)

Date: Jan.11,2023

Signature:

谢肇煦

Xie ZhaoXu

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

**CB TEST CERTIFICATE**

**CERTIFICAT D'ESSAI OC**

Product  
Produit

Overload Relay

Name and address of the applicant  
Nom et adresse du demandeur

ABB STOTZ KONTAKT GMBH  
Eppelheimer Strasse 82  
69123, Heidelberg Germany

Name and address of the manufacturer  
Nom et adresse du fabricant

ABB STOTZ KONTAKT GMBH  
Eppelheimer Strasse 82  
69123, Heidelberg Germany

Name and address of the factory  
Nom et adresse de l'usine

ABB STOTZ-KONTAKT GmbH  
Hauptstrasse 14-16 78132 – Hornberg  
Germany

Note: When more than one factory, please report on page 2  
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

Additional Information on page 2

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

See Page 2

Trademark (if any)  
Marque de fabrique (si elle existe)



Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais constructeur

Model / Type Ref.  
Ref. De type

UMC100.3 DC, UMC100.3 UC, UMC100.3 DC EX, UMC100.3 UC EX (Overload Relay), CT4L185R/4, CT4L310R/4, CT5L500R/4, CT5L850R/4 (Accessory Current Transformer)

Additional information (if necessary may also be reported on page 2)  
Les informations complémentaires (si nécessaire,, peuvent être indiqués sur la 2<sup>ème</sup> page

Additional Information on page 2

A sample of the product was tested and found to be in conformity with  
Un échantillon de ce produit a été essayé et a été considéré conforme à la

IEC 60947-1(ed.5), IEC 60947-1(ed.5);am1, IEC 60947-4-1(ed.3), IEC 60947-4-1(ed.3);am1

As shown in the Test Report Ref. No. which forms part of this Certificate  
Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat

4786654032 issued on 2015-01-23

This CB Test Certificate is issued by the National Certification Body  
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2015-02-05  
Original Issue Date: 2014-10-28

Signature:



Jan-Erik Storgaard

Factories:  
SHANGHAI JIA YI ELECTRICAL EQUIPMENT CO LTD  
700 PENG FENG RD SONGJIANG DISTRICT SHANGHAI 201614  
CHINA

Ratings:  
Overload Relay type UMC100.3 series  
Main Power:  
max 690Vac, 50.....60Hz, 0,24A....63A,  
Tripping class 5E, 10E, 20E, 30E and 40E  
Control Unit:  
Supply Voltage 24Vdc or 110V - 240Vac/dc  
6 digital inputs 24 Vdc  
1 PTC input  
3 relay outputs  
1 digital transistor output  
Interfaces for ABB FielBusPlug, UMC100-PAN control station and expansion module  
Relays:  
AC15, 1,5A, 240Vac  
DC13, 1A, 24Vdc  
DC13, 0,11A, 250Vdc  
DC13, 0,22A, 125Vdc  
Current Transformer Type:  
CT4L185R/4 rated 60A - 185A  
CT4L310R/4 rated 150A- 310A  
CT5L500R/4 rated 200A - 500A  
CT5L850R/4 rated 400A - 850A

Additional Information:  
UMC100.3 series manufactured at ABB STOTZ-KONTAKT GmbH  
CT4L and CT5L series manufactured at SHANGHAI JIA YI ELECTRICAL EQUIPMENT CO LTD

The original report was modified to include the following changes/additions:  
Add critical component, see test report.

**Additional information (if necessary)**  
**Information complémentaire (si nécessaire)**



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

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Date: 2015-02-05  
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Signature:



Jan-Erik Storgaard