

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

CB TEST CERTIFICATE

Product

ATS Bypass/isolation Transfer Switching Equipment

Name and address of the applicant

ABB Oy, Smart Power
Muottitie 2 A, FI-65320, Vaasa, Finland

Name and address of the manufacturer

ABB Oy, Smart Power
Muottitie 2 A, FI-65320, Vaasa, Finland

Name and address of the factory

ABB Inc
1555 Scott St, 38668, Senatobia, Mississippi, United States of America

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

 Additional Information on page 2

Ratings and principal characteristics

See pages 2 - 3

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF2

Model / Type Ref.

ZSB_040__1X5TXXX3X and ZSD_040__1X5TXXX3X

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

 Additional Information on pages 2 - 3

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

IEC 60947-6-1:2005
IEC 60947-6-1:2005/AMD1:2013
IEC 60947-1:2020
IEC 60947-1:2007/AMD2:2014, Annex Q
National Differences:
-

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

HELES2112001421-1

This CB Test Certificate is issued by the National Certification Body

SGS Fimko Ltd
Takomotie 8
FI-00380 Helsinki, Finland

Date: 2022-04-29

Signature:

Seppo Lautamies
Project Manager

Additional information:

| | | |
|--|------|---|
| Type of equipment: | | ATSE /RTSE/MTSE |
| Class | | PC |
| Number of poles: | | 3 or 4 |
| Rated operational current: | le | 400 A (AC-31B, AC-33B and AC-31A) 315 A (AC-33A) |
| Rated operational voltage: | Ue: | 380 - 415 V (ZSB_0_M_1X5XXX3X) 380 - 400 V (ZSB_0_T_1X5XXX3X) 415 V (ZSB_0_U_1X5XXX3X) |
| Rated insulation voltage: | Ui | 1000 V (Main poles) |
| Rated insulation voltage: | Ui | 500 V (Automatic controlled unit and control unit for BTSE) |
| Rated frequency: | f | 50...60 Hz |
| Utilization category | | AC-31B, AC-33B, AC-31A and AC-33A |
| Conventional enclosed thermal current: | lthe | 400 A |
| Rated short-time withstand current: | lcw | 0,5 s; 30 kA, 0,1 s, 42 kA |
| Rated short-circuit making capacity: | lcm | 415 V; 89 kA |
| Rated conditional short-circuit current: | lq | 500 V; 100 kA, (Fuses: aM 1000 A , gG 1000 A) 500 V; 50 kA (CB: ABB T6L1000_) |
| Rated impulse withstand voltage: | Uimp | 8 kV (Main poles) |
| Rated impulse withstand voltage: | Uimp | 6 kV (Automatic Control unit) 4 kV (Control unit for BTSE, without over voltage protectors) |
| Degree of protection: | | IP20 |
| Pollution degree: | | 2 |
| EMC environment: | | A |
| Environment category | | B |

Components:**Automatic transfer switches**

Type: OXB800

Automatic controlled unit with HMI

Type: OX_4Q_ (level 4 HMI)

Control unit for BTSE

Type: OXYJ2

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Additional information:

Type designation:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
 Z S B O 0 4 0 M S 1 _ 5 T _ _ _ 3 _

| | | |
|---|--|---|
| 1 Brand Z ABB Zenith Labeled | 8 System Voltage M 380-415V 3 Ph T 380-400V 3 Ph U 415 V 3 Ph | 13 Metering Options T T1/TC embedded metering (ZTS/level 4) |
| 2 Product Family S ZTS T-series | 9 Neutral S Switched Neutral O Overlapping Neutral X No Neutral B Solid Neutral Bar | 14 Aux Contact / IO Packages X None |
| 3 Application B Standard Bypass Isolation ATS D Dual Withdrawable Bypass ATS | 10 Enclosure 1 Nema 1 | 15 Communications X None |
| 4 Transition Type O Open Transition D Delayed transition | 11 Lugs X None | 16 Other Options (Switches, Surge Protection) X None |
| 5 Amperage 0 4 0 400 A | 12 Ground Bar 5 (8) #2-600MCM X None | 17 Placeholder/extra custom character slot 3 R3B |
| | | 18 Placeholder/extra custom character slot X None |

Types for certification

| | |
|--------------------|--------------------|
| ZSBO040__1X5TXXX3X | ZSBD040__1X5TXXX3X |
| ZSDO040__1X5TXXX3X | ZSDD040__1X5TXXX3X |

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