

## 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  
 Additional Information on page 2

Note: When more than one factory, please report 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\_020\_\_1X5TXXX3X and ZSD\_020\_\_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:	Ie	200 A (AC-31B and AC-33B)
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 and AC-33B
Conventional enclosed thermal current:	Ithe	200 A
Rated short-time withstand current:	Icw	0,5 s; 30 kA, 0,1 s, 42 kA
Rated short-circuit making capacity:	Icm	415 V; 89 kA
Rated conditional short-circuit current:	Iq	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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Project Manager

**Additional information:**

**Type designation:**

**1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18**  
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|---|---|--|
| <p><b>1 Brand</b><br/>Z ABB Zenith Labeled</p> <p><b>2 Product Family</b><br/>S ZTS T-series</p> <p><b>3 Application</b><br/>B Standard Bypass Isolation ATS<br/>D Dual Withdrawable Bypass ATS</p> <p><b>4 Transition Type</b><br/>O Open Transition<br/>D Delayed transition</p> <p><b>5 Amperage</b><br/>0 2 0 200 A</p> | <p><b>8 System Voltage</b><br/>M 380-415V 3 Ph<br/>T 380-400V 3 Ph<br/>U 415 V 3 Ph</p> <p><b>9 Neutral</b><br/>S Switched Neutral<br/>O Overlapping Neutral<br/>X No Neutral<br/>B Solid Neutral Bar</p> <p><b>10 Enclosure</b><br/>1 Nema 1</p> <p><b>11 Lugs</b><br/>X None</p> <p><b>12 Ground Bar</b><br/>5 (8) #2-600MCM<br/>X None</p> | <p><b>13 Metering Options</b><br/>T T1/TC embedded metering (ZTS/level 4)</p> <p><b>14 Aux Contact / IO Packages</b><br/>X None</p> <p><b>15 Communications</b><br/>X None</p> <p><b>16 Other Options (Switches, Surge Protection)</b><br/>X None</p> <p><b>17 Placeholder/extra custom character slot</b><br/>3 R3B</p> <p><b>18 Placeholder/extra custom character slot</b><br/>X None</p> |
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**Types for certification**

ZSBO020__1X5TXXX3X	ZSBD020__1X5TXXX3X
ZSDO020__1X5TXXX3X	ZSDD020__1X5TXXX3X

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