

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_120_1X5TXXX4X and ZSD_120_1X5TXXX4X

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

HELES2108000862-1 and
HELES2108000862-1 Amendment 1

This CB Test Certificate is issued by the National Certification Body

SGS Fimko Ltd
Takomotie 8
FI-00380 Helsinki, Finland

Date: 2022-05-10

Signature:

Seppo Lautamies
Project Manager



Ref. Certif. No.

FI-52213/A1

Additional information:

Type of equipment:		ATSE /RTSE/MTSE
Class		PC
Number of poles:		3 or 4
Rated operational current:	le	720 A (AC-33A) 1250 A (AC-31B, AC-32B, AC-33B and AC-31A)
Rated operational voltage:	Ue:	380 - 415 V (ZSB_0_M_1X5XXX4X) 380 - 400 V (ZSB_0_T_1X5XXX4X) 415 V (ZSB_0_U_1X5XXX4X)
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-31A, AC-33A, AC-31B, AC-32B and AC-33B
Conventional enclosed thermal current:	lthe	1250 A (4 x 240 mm ² cables) 1170 A (3 x 240 mm ² cables)
Rated short-time withstand current:	lcw	0,5 s; 50 kA
Rated short-circuit making capacity:	lcm	415 V; 105 kA
Rated conditional short-circuit current:	lq	500 V; 100 kA, (Fuses: aM 1250 A , gG 1600 A) 500 V; 50 kA (CB: ABB T7L1600_)
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: OXB1250

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 1 2 0 M S 1 5 T - - - 4 -

<p>1 Brand Z ABB Zenith Labeled</p> <p>2 Product Family S ZTS T-series</p> <p>3 Application B Standard Bypass Isolation ATS D Dual Withdrawable Bypass ATS</p> <p>4 Transition Type O Open Transition D Delayed transition</p> <p>5 Amperage 1 2 0 1250 A</p>	<p>8 System Voltage M 380-415V 3 Ph T 380-400V 3 Ph U 415V 3 Ph</p> <p>9 Neutral S Switched Neutral O Overlapping Neutral X No Neutral B Solid Neutral Bar</p> <p>10 Enclosure 1 Nema 1</p> <p>11 Lugs X None</p> <p>12 Ground Bar 5 (8) #2-600MCM X None</p>	<p>13 Metering Options T T1/TC embedded metering (ZTS/level 4)</p> <p>14 Aux Contact / IO Packages X None</p> <p>15 Communications X None</p> <p>16 Other Options X None</p> <p>17 Placeholder/extra custom character slot 4 R4B</p> <p>18 Placeholder/extra custom character slot X None</p>
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Types for certification

ZSBO120_1X5TXXX4X	ZSBD120_1X5TXXX4X
ZSDO120_1X5TXXX4X	ZSDD120_1X5TXXX4X

This certificate replaces Certificate FI-52213, dated 28th March 2022, due to added types.

SGS Fimko Ltd
 Takomotie 8
 FI-00380 Helsinki, Finland



Date: 2022-05-10

Signature: *Seppo Lautamies*

Seppo Lautamies
 Project Manager