

Ref. Certif. No.

FI-52213/A1

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					
Ratings and principal characteristics	See pages 2 - 3				
Trademark / Brand (if any)	ABB				
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:				
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 Natio	This CB Test Certificate is issued by the National Certification Body				
SGS Fimko Ltd Takomotie 8 FI-00380 Helsinki, Finland	SGS				
Date: 2022-05-10	Signature: Sound Southons				
	Seppo Lautamies Project Manager				

Issued 2018-06-05

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## 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	5060 Hz
Utilization category		AC-31A, AC-33A, AC-31B, AC-32B and AC-33B
Conventional enclosed thermal current:	Ithe	1250 A (4 x 240 mm <sup>2</sup> cables)
		1170 A (3 x 240 mm <sup>2</sup> cables)
Rated short-time withstand current:	lcw	0,5 s; 50 kA
Rated short-circuit making capacity:	Icm	415 V; 105 kA
Rated conditional short-circuit current:	lq	500 V; 100 kA, (Fuses: aM 1250 A , gG 1600 A)
Rated impulse withstand voltage:	Uimp	500 V; 50 kA (CB: ABB T7L1600_) 8 kV (Main poles)
Rated impulse withstand voltage:	Uimp	6 kV (Automatic Control unit)
Rated impulse withstand voltage.	Ump	4 kV (Control unit for BTSE, without over voltage
		protectors)
Degree of protection:		IP20
Pollution degree:		2
EMC environment:		Ā
Environment category		В
<u> </u>		
Components:		
Automatic transfer switches		
Type: OXB1250		
Automatic controlled unit with HMI		
Type: OX_4Q_ (level 4 HMI)		
Control unit for BTSE		
Type: OXYJ2		

SGS Fimko Ltd Takomotie 8 FI-00380 Helsinki, Finland

SGS

Date: 2022-05-10

Signature: Sorre Soutions

Seppo Lautamies Project Manager

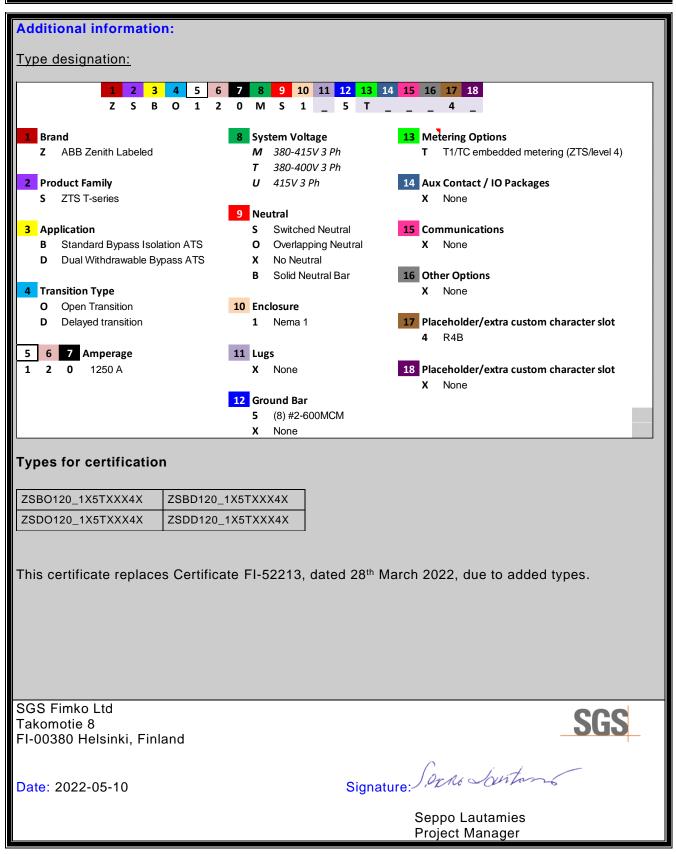
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