



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.


This certificate is issued to:

PRODUCER	ABB Oy Drives Hlomotie 13 FI-00380 Helsinki Finland		
DESCRIPTION	ACS800LC, liquid cooled Frequency converter		
TYPE	ACS800LC with option C121 and/or C132 when applicable		
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1: 2002.		
STANDARD	Manufacture specification		
RATINGS	Type	Nominal Current Rating	Main Supply Voltage Rating Frequency 48 to 63 Hz
	ACS800-04LC	563 to 5067 A	380 to 415 V ±10%
	ACS800-04LC	546 to 4788 A	380 to 500 V ±10%
	ACS800-04LC	583 to 5540 A	525 to 690 V ±10%
	ACS800-07LC	563 to 5067 A	380 to 415 V ±10%
	ACS800-07LC	546 to 4788 A	380 to 500 V ±10%
	ACS800-07LC	583 to 5540 A	525 to 690 V ±10%
	ACS800-14LC	159 to 4765 A	380 to 415 V ±10%
	ACS800-14LC	139 to 4540 A	380 to 500 V ±10%
	ACS800-14LC	106 to 4986 A	525 to 690 V ±10%
	ACS800-17LC	159 to 4765 A	380 to 415 V ±10%
	ACS800-17LC	139 to 4540 A	380 to 500 V ±10%

Certificate No.	17/20065
Issue Date	22 June 2017
Expiry Date	02 June 2022
Sheet	1 of 4



Thorsten Wolff
Hamburg Technical Support Office



Lloyd's Register

Lloyd's Register EMEA

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS


Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



RATINGS (continues)

Type	Nominal Current Rating	Main Supply Voltage Rating Frequency 48 to 63 Hz
ACS800-17LC	106 to 4986 A	525 to 690 V ±10%
ACS800-37LC	159 to 4765 A	380 to 415 V ±10%
ACS800-37LC	139 to 4540 A	380 to 500 V ±10%
ACS800-37LC	106 to 4986 A	525 to 690 V ±10%
ACS800-104LC	6.1 to 6081 A	380 to 415 V ±10%
ACS800-104LC	5.9 to 5746 A	380 to 500 V ±10%
ACS800-104LC	16 to 6648 A	525 to 690 V ±10%
ACS800-107LC	5.1 to 5067 A	380 to 415 V ±10%
ACS800-107LC	4.9 to 4748 A	380 to 500 V ±10%
ACS800-107LC	13 to 5540 A	525 to 690 V ±10%
ACS800-204LC	341 to 4309 A	380 to 415 V ±10%
ACS800-204LC	324 to 4104 A	380 to 500 V ±10%
ACS800-204LC	216 to 4560 A	525 to 690 V ±10%
ACS800-207LC	341 to 4309 A	380 to 415 V ±10%
ACS800-207LC	324 to 4104 A	380 to 500 V ±10%
ACS800-207LC	216 to 4560 A	525 to 690 V ±10%
ACS800-304LC	572 to 5000 A	380 to 415 V ±10%
ACS800-304LC	572 to 5000 A	380 to 500 V ±10%
ACS800-304LC	572 to 5000 A	525 to 690 V ±10%
ACS800-704LC	1143 to 5000 A	380 to 415 V ±10%
ACS800-704LC	1143 to 5000 A	380 to 500 V ±10%
ACS800-704LC	1143 to 5000 A	525 to 690 V ±10%
ACS800-307LC	572 to 5000 A	380 to 415 V ±10%
ACS800-307LC	572 to 5000 A	380 to 500 V ±10%
ACS800-307LC	572 to 5000 A	525 to 690 V ±10%
ACS800-507LC	1143 to 5000 A	380 to 415 V ±10%
ACS800-507LC	1143 to 5000 A	380 to 500 V ±10%
ACS800-507LC	1143 to 5000 A	525 to 690 V ±10%
ACS800-1107LC	1595 to 5000 A	380 to 415 V ±10%
ACS800-1107LC	1595 to 5000 A	380 to 500 V ±10%
ACS800-1107LC	1595 to 5000 A	525 to 690 V ±10%
ACS800-1207LC	2126 to 3200 A	380 to 415 V ±10%
ACS800-1207LC	2126 to 3200 A	380 to 500 V ±10%
ACS800-1207LC	2126 to 3200 A	525 to 690 V ±10%

Certificate No. 17/20065
Issue Date 22 June 2017
Expiry Date 02 June 2022
Sheet 2 of 4

Thorsten Wolff
Hamburg Technical Support Office

Lloyd's Register EMEA
LR031.1.2013.12



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



RATINGS (continues)

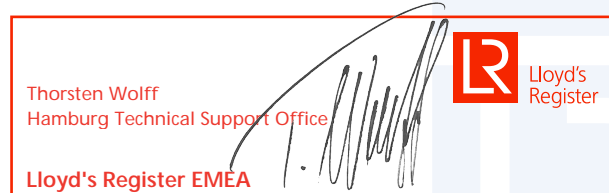
Braking Chopper	Nominal Current Rating	Main Supply Voltage Rating Frequency 48 to 63 Hz
NBRW-669C	414 A	380 to 690 V ±10%
ACS800-604LC	390 to 5856 A	380 to 415 V ±10%
ACS800-604LC	390 to 5856 A	380 to 500 V ±10%
ACS800-604LC	390 to 5856 A	525 to 690 V ±10%
ACS800-607LC BRC	414 to 2482 A	380 to 690 V ±10%
ACS800-607LC DBU	390 to 5856 A	380 to 415 V ±10%
ACS800-607LC DBU	390 to 5856 A	380 to 500 V ±10%
ACS800-607LC DBU	390 to 5856 A	525 to 690 V ±10%

LCL Filter	Nominal Current Rating	Main Supply Voltage Rating
ALCL-03LC-5	186 A	380 to 500 V ±10%
ALCL-05LC-5	269 A	380 to 500 V ±10%
ALCL-12LC-5	341 A	380 to 500 V ±10%
ALCL-13LC-5	454 A	380 to 500 V ±10%
ALCL-14LC-5	567 A	380 to 500 V ±10%
ALCL-15LC-5	756 A	380 to 500 V ±10%
ALCL-24LC-5	1134 A	380 to 500 V ±10%
ALCL-25LC-5	1482 A	380 to 690 V ±10%
ALCL-12LC-7	216 A	525 to 690 V ±10%
ALCL-13LC-7	300 A	525 to 690 V ±10%

LCL Filter	Nominal Current Rating	Main Supply Voltage Rating
ALCL-15LC-7	480 A	525 to 690 V ±10%
ALCL-24LC-7	720 A	525 to 690 V ±10%
ALCL-25LC-7	941 A	525 to 690 V ±10%
ALCL-35LC-7	1397 A	525 to 690 V ±10%

Liquid Cooling Unit	Cooling Capacity
ACS800-1007LC	Cooling 70 kW / 195 kW

Certificate No.	17/20065
Issue Date	22 June 2017
Expiry Date	02 June 2022
Sheet	3 of 4



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



Lloyd's
Register

OTHER CONDITIONS	Suitable for use in special power distribution zones only as defined in IEC 60533.
PLACE OF PRODUCTION	<p>ABB Oy Drives Hlomotie 13 FI-00380 Helsinki Finland</p> <p>ABB Beijing Drive No. 1, Block D A-10 Jiuxianqiao Beilu Chaoyang District Beijing 100015 P.R. China</p> <p>ABB AS Arukula tee 83 75301 Juri Harjumaa Estonia</p>

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 35446-17 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	17/20065
Issue Date	22 June 2017
Expiry Date	02 June 2022
Sheet	4 of 4



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.