

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 Hiomotie 13 FI-00380 Helsinki Finland		
DESCRIPTION	ACS880, air-coole packages	ed drive modules and high power single drive module	
TYPES	Х	4-yyyyA-3/5/7+ C132 x = 1, 2, 3, 6, yyyy = current value (see ratings)	
	ACS880-104-0140A to 5130A-3 ACS880-104-0110A to 4610A-5 ACS880-104-007A3 to 5700A-7 Inverter modules: ACS880-104 (INU); 380V-690V; 5kW to 5320kW		
	Frame sizes R5i to 10xR8i ACS880-204-0210A to 4620A-3 ACS880-204-0210A to 4150A-5 ACS880-204-0310A to 5130A-7 Supply Modules: ACS880-204 (ISU); 380V-690V; 138kVA to 5819kVA; Frame sizes R6i + ALCL-05-5 to 10xR8i + 5xBLCL-25-7		
Certificate No.	16/20108		
Issue Date	14 December 2016	Thorsten Wolff	
Expiry Date	13 December 2021	Thorsten Wolff Hamburg Technical Support Office	
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TYPES (continues)	ACS880-304-0650A to 5470A-3 ACS880-304-0650A to 5470A-5 ACS880-304-0570A to 4560A-7 Supply Modules: ACS880-304 (DSU) 380V-690V; 430kVA to 5174kVA; Frame sizes 2xD7T, D8T to 6xD8T				
	ACS880-604-0210A to 3770A-3 ACS880-604-0260A to 4710A-5 ACS880-604-0400A to 6500A-7 Brake modules: ACS880-604 (NBRA -types, 1-phase); 380V-690V; 67kW to 678kW; Frame sizes NBRA658 to 6xNBRA669 ACS880-604 (nxR8i -types, 3-phases); 380V-690V; 480kW to 6180kW; Frame sizes R8i to 5R8i				
	ACS880-1604-0600A to 4500A-3				
	AC5880-1604-0600A to 4500A-5 AC5880-1604-0400A to 3000A-7 DC/DC -converter modules: AC5880-1604; 380V-690V; 290kW to 2721kW; Frame sizes R8i to 5xR8i (DC output)				
	ACS880-x4/ 04XT-yyyyA-3/5/7+ C132 x = 0, 1, 3 yyyy = current value (see ratings)				
	ACS880-04XT-1190A to 1610A-3 ACS880-04XT-1160A to 1610A-5 ACS880-04XT-0810A to 1320A-7 Product type ACS880-04XT is using 2 x parallel connected ACS880-04 modules, sizes R 10 and R 11. ACS880-04XT; 380V-690V; 599kW to 1140kW; Frame sizes 2xR10 to 2xR11High power single drive module packages.				
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TYPES (continues)	ACS880-04-1140A to 2610A-3 ACS880-04-1070A to 1980A-5 ACS880-04-0800A to 2300A-7 ACS880-04; 380V-690V; 532kW to 2090kW; Frame sizes 2xD7T, D8T to 4xD8T + 2xR8i to 4xR8i		
	ACS880-14-0450A to 2530A-3 ACS880-14-0420A to 2270A-5 ACS880-14-0320A to 2230A-7 High power single drive module packages: ACS880-14; 380V-690V; 238kW to 2090kW; Frame sizes R8i to 4R8i + BLCL-XX-X + R8i to4xR8i ACS880-34-0450A to 2530A-3 ACS880-34-0420A to 2270A-5		
	ACS880-34-0420A to 2270A-3 ACS880-34-0320A to 2230A-7		
	High power single drive module packages: ACS880-34; 380V-690V; 238kW to 2090kW; Frame sizes R8i to 4R8i + BLCL-XX-X + R8i to4xR8i		
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register Type Approval System, Test Specification Number 1 July 2015. For installation in "General Power Distribution Zones".		
STANDARDS	Manufactures specification: Electrical planning instructions: ACS880 multidrive cabinets and modules 3AUA0000102324		
	Requirement specification: Category 1: drive modules and high power single drive module packages IEC 61800-5-1: 2007		
	IEC 60204-1: 2006		
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RATINGS	Power range:	5 kW to 6180 kW		
	Voltage classes:	3 (380 to 415V)		
	Ũ	5 (380 to 500V)		
		7 (525 to 690V)		
OTHER CONDITION	For ambient temperature above 45°C up to 55°C the rated current			
	output is to be o manufactures r	derated by 1% for every added 1°C ating table.	accord	ling to
PLACE OF PRODUCTION	ABB Oy Drives			
	2	0381 Helsinki Finland		
	Street address: I	Hiomotie 13		
	FI-00380 Helsin	ki		
	Finland			
	ABB AS.			
	Aruküla tee 83			
	75301 Jüri Harju	imaa		
	Estonia			

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 34539-16 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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