

Certificate

No. SEBS-A.093457/16, V1.0

TÜV NORD Systems GmbH & Co. KG hereby certifies

ABB Oy
Hiomotie 13
00381 Helsinki
Finland

that the safety function "Safe Torque Off – STO" within the
ABB industrial drives series

ACS880 and ACS880LC

meets the requirements listed in the below mentioned standards

- IEC 61508 part 1:2010, part 2:2010; capable up to SIL 3
- ISO 13849 part 1:2015, part 2:2012; capable up to PL e (category 3)
- IEC 62061:2015; capable up to SIL_{CL3}
- IEC 61800-5-2:2016; capable up to SIL 3

The drive series can also be used in safety applications up to SIL 3 according to IEC 61511

Base of certification is the report
SEBS-A.093457/16TB and the tracking
list in the valid version.

This certificate entitles the holder to
use the pictured Safety Approved mark.

Valid until: 2022-07-04

File reference: 8113355200

Hamburg, 2017-07-04



Bianca Pfuff



Tracking-list Revision 1.0 for released versions
of the certified ACS880 and ACS880LC drives

Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-01-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
04A6-2, 06A6-2, 07A5-2, 10A6-2, 02A4-3, 03A3-3, 03A0-3, 03A9-3, 04A0-3, 05A6-3, 05A8-3, 07A2-3, 07A5-3, 09A4-3, 09A8-3, 12A6-3, 02A0-4, 02A8-4, 03A2-4, 04A6-4, 04A9-4, 07A2-4, 10A4-4, 02A1-5, 03A0-5, 03A4-5, 04A8-5, 05A2-5, 07A6-5, 11A0-5	R1	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
16A8-2, 24A3-2, 14A3-3, 17A7-3, 25A5-3, 017A-3, 025A-3, 25A5-3, 013A-4, 019A-4, 014A-5, 021A-5	R2	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
031A-2, 032A-3, 035A-3, 038A-3, 026A-4, 032A-4, 027A-5, 034A-5	R3	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
043A-3, 046A-2, 061A-2, 045A-3, 038A-4, 049A-4, 061A-3, 040A-5, 050A-3, 052A-5	R4	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
075A-2, 087A-2, 072A-3, 085A-3, 087A-3, 062A-4, 073A-4, 065A-5, 077A-5, 07A3-7, 09A8-7, 010A-7, 14A2-7, 14A5-7, 018A-7, 20A2-7, 022A-7, 24A8-7,	R5	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
of the certified ACS880 and ACS880LC drives

Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-01-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
026A-7, 29A0-7, 035A-7, 39A9-7, 042A-7, 47A5-7, 049A-7						
115A-2, 145A-2, 103A-3, 105A-3, 123A-3, 145A-3, 091A-4, 118A-4, 096A-5, 124A-5, 060A-7, 061A-7, 071A-7, 084A-7	R6	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
170A-2, 206A-2, 169A-3, 173A-3, 202A-3, 206A-3, 148A-4, 171A-4, 156A-5, 180A-5, 098A-7, 100A-7, 117A-7, 119A-7	R7	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
245A-3, 246A-3, 290A-3, 293A-3, 228A-4, 247A-4, 240A-5, 260A-5, 274A-2, 142A-7, 143A-7, 168A-7, 174A-7	R8	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
343A-3, 363A-3, 427A-3, 430A-3, 343A-4, 393A-4, 302A-5, 361A-5, 414A-5, 199A-7, 210A-7, 248A-7, 271A-7	R9	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
of the certified ACS880 and ACS880LC drives

Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-04-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
505A-3, 585A-3, 650A-3, 460A-5, 503A-5, 583A-5, 635A-5, 330A-7, 370A-7, 430A-7	R10	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
725A-3, 820A-3, 880A-3, 715A-5, 820A-5, 880A-5, 470A-7, 522A-7, 590A-7, 650A-7, 721A-7	R11	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
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Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-04-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
1140A-3, 1250A-3, 1480A-3, 1760A-3, 2210A-3, 2610A-3, 0990A-3+A004, 1250A-3+A004, 1480A-3+A004, 1760A-3+A004, 2210A-3+A004, 2610A-3+A004 1070A-5, 1320A-5, 1450A-5, 1580A-5, 1800A-5, 1980A-5, 0990A-5+A004, 1320A-5+A004, 1450A-5+A004, 1580A-5+A004, 1800A-5+A004, 1980A-5+A004 0800A-7, 0900A-7, 1160A-7, 1450A-7, 1650A-7, 2300A-7, 0800A-7+A004, 0950A-7+A004, 1160A-7+A004, 1450A-7+A004, 1650A-7+A004, 2300A-7+A004,	R8i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
of the certified ACS880 and ACS880LC drives

Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-04XT	Frame- Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
1010A-3, 1190A-3, 1010A-5, 1160A-5, 0810A-7	2x R10	SEBS- A.093457/16TBV1.0	8113355200	valid	2017-07-04	2022-07-04
1330A-3, 1610A-3, 1310A-5, 1610A-5, 0960A-7, 1080A-7, 1320A-7	2x R11	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
2030A-3, 2390A-3, 2020A-5, 2330A-5, 1580A-7	4x R10	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
2660A-3, 3230A-3, 2630A-5, 3230A-5, 1920A-7, 2170A-7, 2650A-7	4x R11	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
of the certified ACS880 and ACS880LC drives

Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-M04-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
-03A0-2, -03A0-5, -03A6-2, -03A6-5, -04A8-2, -04A8-5, -06A0-2, -06A0-5, -08A0-2, -08A0-5	R1	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
-010A-2, -010A-5, -014A-2, -014A-5, -018A-2, -018A-5	R2	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
-025A-2, -025A-5, -030A-2, -030A-5, -035A-2, -035A-5, -044A-2, -044A-5, -050A-2, -050A-5	R3	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
-061A-2, -061A-5, -078A-2, -078A-5, -094A-2, -094A-5	R4	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
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Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-07	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
105A-3, 145A-3, 096A-5, 124A-5, 061A-7, 084A-7	R6	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
169A-3, 206A-3, 156A-5, 180A-5, 098A-7, 119A-7	R7	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
246A-3, 293A-3, 240A-5, 260A-5, 142A-7, 174A-7	R8	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
363A-3, 430A-3, 302A-5, 361A-5, 414A-5, 210A-7, 271A-7	R9	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
505A-3, 585A-3, 650A-3, 460A-5, 503A-5, 583A-5, 635A-5, 330A-7, 370A-7, 430A-7	R10	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
725A-3, 820A-3, 880A-3; 715A-5, 820A-5, 880A-5, 470A-7, 522A-7, 590A-7, 650A-7, 721A-7	R11	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

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Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-07	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
1140A-3, 1250A-3, 1480A-3, 1760A-3, 2210A-3, 2610A-3, 0990A-3+A004, 1140A-3+A004, 1250A-3+A004, 1480A-3+A004, 1760A-3+A004, 2210A-3+A004, 2610A-3+A004, 1070A-5, 1320A-5, 1450A-5, 1580A-5, 1800A-5, 1980A-5, 0990A-5+A004, 1320A-5+A004, 1450A-5+A004, 1580A-5+A004, 1800A-5+A004, 1980A-5+A004, 0800A-7, 0900A-7, 1160A-7, 1450A-7, 1650A-7, 1950A-7, 2300A-7, 2600A-7, 2860A-7, 0800A-7+A004, 0950A-7+A004, 1160A-7+A004, 1450A-7+A004, 1650A-7+A004, 1950A-7+A004, 2300A-7+A004, 2600A-7+A004, 2860A-7+A004	R8i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
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Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-14/-34-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
0450A-3, 0620A-3, 0870A-3, 1210A-3, 1430A-3, 1700A-3, 2060A-3, 2530A-3, 0420A-5, 0570A-5, 0780A-5, 1110A-5, 1530A-5, 1980A-5, 2270A-5, 0320A-7, 0390A-7, 0580A-7, 0770A-7, 0950A-7, 1130A-7, 1450A-7, 1680A-7, 2230A-7,	R8i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Type Code ACS880-17/-37	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
0450A-3, 0620A-3, 0870A-3, 1110A-3, 1210A-3, 1430A-3, 1700A-3, 2060A-3, 2530A-3, 0420A-5, 0570A-5, 0780A-5, 1010A-5, 1110A-5, 1530A5, 1980A-5, 2270A-5 0320A-7, 0390A-7, 0580A-7, 0660A-7, 0770A-7, 0950A-7, 1130A-7, 1450A-7, 1680A-7, 1950A-7, 2230A-7, 2770A-7, 3310A-7	R8i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
of the certified ACS880 and ACS880LC drives

Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-104-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
004A8-3, 006A0-3, 008A0-3, 003A6-5, 004A8-5, 006A0-5, 008A0-5	R1i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0011A-3, 0014A-3, 0018A-3, 0011A-5, 0014A-5, 0018A-5	R2i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0025A-3, 0035A-3, 0044A-3, 0050A-3, 0025A-5, 0030A-5, 0035A-5, 0050A-5	R3i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0061A-3, 0078A-3, 0094A-3, 0100A-3, 0061A-5, 0078A-5, 0094A-5	R4i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
007A3-7, 009A8-7, 014A2-7, 0018A-7, 0022A-7, 0027A-7, 0035A-7, 0042A-7, 0052A-7	R5i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0140A-3, 0170A-3, 0210A-3, 0250A-3, 0110A-5, 0140A-5, 0170A-5, 0200A-5, 0240A-5, 0062A-7, 0082A-7, 0100A-7, 0130A-7, 0140A-7, 0190A-7	R6i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0300A-3, 0350A-3, 0300A-5, 0340A-5, 0220A-7, 0270A-7	R7i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
of the certified ACS880 and ACS880LC drives

Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-104-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
0470A-3, 0640A-3, 0760A-3, 0900A-3, 1250A-3, 1480A-3, 1760A-3, 2210A-3, 2610A-3, 3450A-3, 4290A-3, 5130A-3, 0440A-5, 0590A-5, 0740A-5, 0810A-5, 1150A-5, 1450A-5, 1580A-5, 2150A-5, 2350A-5, 3110A-5, 3860A-5, 4610A-5 0340A-7, 0410A-7, 0530A-7, 0600A-7, 0800A-7, 1030A-7, 1170A-7, 1540A-7, 1740A-7, 2300A-7, 2860A-7, 3420A-7, 3990A-7, 4560A-7, 5130A-7, 5700A-7	R8i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
of the certified ACS880 and ACS880LC drives

Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-104LC-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
0390A-7, 0430A-7, 0480A-7, 0530A-7, 0600A-7, 0670A-7, 0750A-7, 0850A-7, 1030A-7, 1170A-7, 1310A-7, 1470A-7, 1660A-7, 1940A-7, 2180A-7, 2470A-7, 2880A-7, 3260A-7	R8i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
of the certified ACS880 and ACS880LC drives

Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-107-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
004A8-3, 006A0-3, 008A0-3, 003A6-5, 004A8-5, 006A0-5, 008A0-5	R1i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0011A-3, 0014A-3, 0018A-3, 0011A-5, 0014A-5, 0018A-5	R2i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0025A-3, 0035A-3, 0044A-3, 0050A-3, 0025A-5, 0030A-5, 0035A-5, 0050A-5	R3i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0061A-3, 0078A-3, 0094A-3, 0100A-3, 0061A-5, 0078A-5, 0094A-5	R4i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
007A3-7, 009A8-7, 014A2-7, 0018A-7, 0022A-7, 0027A-7, 0035A-7, 0042A-7, 0052A-7	R5i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0140A-3, 0170A-3, 0210A-3, 0250A-3, 0110A-5, 0140A-5, 0170A-5, 0200A-5, 0240A-5, 0062A-7, 0082A-7, 0100A-7, 0130A-7, 0140A-7, 0190A-7	R6i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04
0300A-3, 0350A-3, 0300A-5, 0340A-5, 0220A-7, 0270A-7	R7i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

Tracking-list Revision 1.0 for released versions
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Certification No. SEBS-A.093457/16, V 1.0



Type Code ACS880-107-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
0470A-3, 0640A-3, 0760A-3, 0900A-3, 1250A-3, 1480A-3, 1760A-3, 2210A-3, 2610A-3, 3450A-3, 4290A-3, 5130A-3, 0440A-5, 0590A-5, 0740A-5, 0810A-5, 1150A-5, 1450A-5, 1580A-5, 2150A-5, 2350A-5, 3110A-5, 3860A-5, 4610A-5 0340A-7, 0410A-7, 0530A-7, 0600A-7, 0800A-7, 1030A-7, 1170A-7, 1540A-7, 1740A-7, 2300A-7, 2860A-7, 3420A-7, 3990A-7, 4560A-7, 5130A-7, 5700A-7	R8i	SEBS-A.093457/16TB V1.0	8113355200	valid	2017-07-04	2022-07-04

	Release ABB:	Release Assessor:	Release Certification Body:
Signature:			
Date:		2017-07-04	2017-07-04