



Certificate

No. SEBS-A.1012332/16, V2.0

TÜV NORD Systems GmbH & Co. KG hereby certifies to

ABB Oy
Himotie 13
00381 Helsinki
Finland

that the safety function Safe Torque Off (STO) within the
ABB drive series for HVAC

ACH580

meet the requirements listed in the following standards

- IEC 61508 part 1:2010; part 2:2010; capable up to SIL 3
- ISO 13849-1:2015, ISO 13849-2:2012; capable up to PL e (category 3)
- IEC 61800-5-2:2016; capable up to SIL 3
- IEC 62061: 2021; capable up to SIL 3

Certification program Leittechnik (SEB-ZE-SEECERT-VA-320-20, Rev. 5.1/04.19)

The drive series can also be used in safety applications up to SIL 3 according to IEC61511

Basis of the certification are the report
SEBS-A.101233/16TB and the tracking list
in the valid version.

This certificate entitles the usage of the
adjacent conformity mark.

Valid until: 2027-08-01
Reference: 8114136074

Hamburg, 2022-08-01



Bianca Pfuff



Tracking-list Revision 13.0 for released versions of the certified ACH580 drives

Certification No. SEBS-A.1012332/16, V 2.0

Type Code ACH580-01-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
02A6-4, 03A3-4, 04A0-4, 05A6-4	R0	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
04A7-2, 04A6-2, 06A7-2, 06A6-2, 07A6-2, 07A5-2, 012A-2, 10A6-2, 018A-2, 017A-2, 02A1-4, 02A7-4, 03A0-4, 03A4-4, 03A5-4, 04A1-4, 04A8-4, 05A7-4, 07A2-4, 06A0-4, 07A3-4, 09A4-4, 07A6-4, 09A5-4, 12A6-4, 012A-4, 12A7-4	R1	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
025A-2, 024A-2, 032A-2, 031A-2, 017A-4, 014A-4, 018A-4, 025A-4, 023-A4, 026-A4, 02A7-6, 03A9-6, 06A1-6, 09A0-6, 011A-6, 017A-6	R2	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
047A-2, 046A-2, 060A-2, 059A-2, 032A-4, 027A-4, 033A-4, 038A-4, 034A-4, 039A-4 045A-4, 044A-4, 046A-4, 022A-6, 027A-6, 032A-6	R3	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
075A-2, 076A-2, 090A-2, 091A-2, 052A-4, 062A-4, 065A-4, 073A-4, 077A-4, 089A-4,	R4	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01

Tracking-list Revision 13.0 for released versions of the certified ACH580 drives

Certification No. SEBS-A.1012332/16, V 2.0

Type Code ACH580-01-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
089A-2, 088A-2, 115A-2, 114A-2, 088A-4, 106A-4, 061A-4, 072A-4, 087A-4, 041A-6, 052A-6, 062A-6, 077A-6, 078A-4, 096A-4	R5	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
144A-2, 143A-2, 105A-4, 145A-4, 124A-4	R6	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
171A-2, 169A-2, 213A-2, 211A-2, 169A-4, 206A-4, 099A-6, 125A-6, 156A-4, 180A-4	R7	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
276A-2, 273A-2, 246A-4, 293A-4, 144A-6, 240A-4, 260A-4	R8	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
343A-2, 396A-2, 363A-4, 430A-4, 192A-6, 242A-6, 271A-6, 302A-4, 361A-4, 414A-4, 477A-4, 490A-4	R9	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01

Type Code ACH580-04-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
505A-4, 585A-4, 650A-4	R10	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
725A-4, 820A-4, 880A-4	R11	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01

Tracking-list Revision 13.0 for released versions of the certified ACH580 drives

Certification No. SEBS-A.1012332/16, V 2.0

Type Code ACH580-34-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
240A-4, 246A-4, 293A-4, 302A-4, 361A-4, 365A-4, 414A-4, 442A-4, 477A-4, 505A-4, 585A-4, 650A-4	R11	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01

Type Code ACH580-07-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
052A-4, 062A-4, 065A-4, 073A-4, 077A-4, 089A-4	R4	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
096A-4, 0106A-4	R5	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
124A-4, 0145A-4	R6	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
0156A-4, 0169A-4, 0180A-4, 0206A-4	R7	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
0240A-4, 0246A-4, 0260A-4, 0293A-4	R8	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
0361A-4, 0363A-4, 0414A-4, 0430A-4	R9	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
0483A-4, 0505A-4, 0573A-4, 0585A-4, 0623A-4, 0650A-4, 0477A-4, 0490A-4	R10	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
0705A-4, 0725A-4, 0807A-4, 0820A-4, 0880A-4	R11	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01

Tracking-list Revision 13.0 for released versions of the certified ACH580 drives

Certification No. SEBS-A.1012332/16, V 2.0

Type Code ACH580-31-	Frame -Size	Assessment Report from TÜV NORD	ID	Certification Status	Date of certification	Expiry Date
017A-2, 024A-2, 09A5-4, 12A7-4, 07A6-4, 012A-4, 018A-4, 026A-4, 014A-4, 023A-4	R3	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
031A-2, 046A-2, 059A-2, 075A-2, 088A-2, 033A-4, 039A-4, 046A-4, 027A-4, 034A-4, 044A-4, 062A-4, 073A-4, 088A-4, 052A-4, 065A-4, 077A-4	R6	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01
114A-2, 143A-2 169A-2, 211A-2, 096A-4, 106A-4, 124A-4, 145A-4, 156A-4, 169A-4, 180A-4, 206A-4	R8	SEBS-A.101233/16TB V16.0	8114136074	valid	2024-05-31	2027-08-01

	Release ABB:	Release Assessor:	Release Certification Body:
Signature:			
Date:			