

Certificate

No. SEBS-A.1012333/16, 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 water and wastewater

ACQ580

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: 2027-07-25
Reference: 8114136074

Hamburg, 2022-07-25


Bianca Pfuff

Certification Body SEECERT
TÜV NORD Systems GmbH & Co. KG
Große Bahnstraße 31, 22525 Hamburg, Germany



Tracking-list Revision 11.0 for released versions of the certified ACQ580 drives

Certification No. SEBS-A.1012333/16, V 2.0

Type Code ACQ580-01-	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 V15.0	8114136074	valid	2024-03-11	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 V15.0	8114136074	valid	2024-03-11	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 V15.0	8114136074	valid	2024-03-11	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 V15.0	8114136074	valid	2024-03-11	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 V15.0	8114136074	valid	2024-03-11	2027-08-01

Tracking-list Revision 11.0 for released versions of the certified ACQ580 drives

Certification No. SEBS-A.1012333/16, V 2.0

Type Code ACQ580-01-	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 V15.0	8114136074	valid	2024-03-11	2027-08-01
144A-2, 143A-2, 105A-4, 145A-4, 124A-4	R6	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	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 V15.0	8114136074	valid	2024-03-11	2027-08-01
276A-2, 273A-2, 246A-4, 293A-4, 144A-6, 240A-4, 260A-4	R8	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01
343A-2, 396A-2, 363A-4, 430A-4, 192A-6, 242A-6, 271A-6, 302A-4, 361A-4, 414A-4	R9	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01

Type Code ACQ580-04-	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 V15.0	8114136074	valid	2024-03-11	2027-08-01
725A-4, 820A-4, 880A-4	R11	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01

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Type Code ACQ580-34-	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 V15.0	8114136074	valid	2024-03-11	2027-08-01

Type Code ACQ580-07-	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 V15.0	8114136074	valid	2024-03-11	2027-08-01
096A-4, 0106A-4	R5	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01
124A-4, 0145A-4	R6	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01
0156A-4, 0169A-4, 0180A-4, 0206A-4	R7	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01
0240A-4, 0246A-4, 0260A-4, 0293A-4	R8	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01
0361A-4, 0363A-4, 0414A-4, 0430A-4	R9	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01
0483A-4, 0505A-4, 0573A-4, 0585A-4, 0623A-4, 0650A-4	R10	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01
0705A-4, 0725A-4, 0807A-4, 0820A-4, 0880A-4	R11	SEBS-A.101233/16TB V15.0	8114136074	valid	2024-03-11	2027-08-01

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Type Code ACQ580-31-	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 V15.0	8114136074	valid	2024-03-11	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 V15.0	8114136074	valid	2024-03-11	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 V15.0	8114136074	valid	2024-03-11	2027-08-01

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