

Certificate

No. SEBS-A.121415/15 V1.0

TÜV NORD Systems GmbH & Co. KG hereby certifies to

ABB Oy

Hiomotie 13
00380 Helsinki, Finland

that the Safe Torque Off (STO) function within the converter modules

**HES880-104-0352A-5, HES880-104-0602A-5 and
HES880-104-0902A-5**

is capable for safety related applications up to SIL 3, SIL_{CL} 3, PL e and AgPL e
and meets the applicable requirements listed in the following standards:


- IEC 61508 part 1, part 2: 2010
- EN 61800-5-2: 2007
- ISO 13849 part 1: 2015; part 2: 2012
- IEC 62061: 2015
- ISO 15998: 2008
- ISO 25119 part 1, part 2, part 3, part 4: 2010

Base of certification is the report
SEBS-A.121415TB in the valid version.

This certificate entitles the holder to use
the pictured safety approved mark.

Valid until: 2021-11-03
File reference: 8113044051

Hamburg, 2016-11-03


Bianca Pfuff

