

Certificate

No. SEBS-A.155036/15 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) in the drive system

MicroFlex e190

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

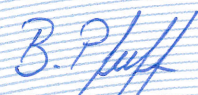
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- EN 61508 part 1: 2010; part 2: 2010
 - EN ISO 13849 part 1: 2015, part 2: 2012
 - EN 62061:2005 + A1: 2013 + A2: 2015
 - EN 61800-5-2: 2007
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Base of certification is the report
SEBS-A.155036/15TB in the valid version.

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

Expiry date: 2021-10-24
Reference No.: 8112751725

Hamburg, 2016-10-24


Bianca Pfuff

