

Certificate

No. SEBS-A.095133/15, V1.1

TÜV NORD Systems GmbH & Co. KG hereby certifies to

Braun GmbH
Esslinger Straße 26
71334 Waiblingen-Hegnach

that the differential hall effect sensor

Series A5S

meets the requirements
listed in the below mentioned standards by external diagnostic

- IEC 61508:2010 (capable up to SIL 3)
- DIN EN ISO 13849-1:2016 (capable up to PL e; Cat. 3)
- DIN EN ISO 13849-2:2012 (capable up to PL e; Cat. 3)
- IEC 62061:2005 (capable for applications up to SIL_{CL} 3)

Base of certification is the report
SEBS-A.095133/15TB1 V1.1 and the
tracking list in the annex.

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

Valid until: 07-11-2021
File reference: 8112819545

Hamburg, 07-11-2016



Tobias Nelke



Tracking list for the Differential Hall effect sensor A5S



Certificate-No. SEBS-A. 095133/15, V 1.1

Product name (Architecture)*	SIL/S ILCl	PL	Cat.	Technical report	File reference	Certification status	Date of certification	Expiry date
A5S1DD3 (1oo1)	2	c	2	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S1DD3 (2oo3)	3	e	3	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S0DS4 (1oo1)	2	d	2	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S0DS4 (2oo3)	3	e	3	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S1DS4 (1oo1)	2	d	2	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S1DS4 (2oo3)	3	e	3	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S0DD4 (1oo1)	2	c	2	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S0DD4 (2oo3)	3	e	4	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S1DD4 (1oo1)	2	c	2	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S1DD4 (2oo3)	3	e	4	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S05 to A5S17 (1oo1)	2	d	2	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S05 to A5S17 (2oo3)	3	e	3	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S30 to A5S33 (1oo1)	2	d	2	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S30 to A5S33 (2oo3)	3	e	3	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021


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Product name (Architecture)*	SIL/S ILcl	PL	Cat.	Technical report	File reference	Certification status	Date of certification	Expiry date
A5S40 to A5S43 (1oo1)	2	d	2	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021
A5S40 to A5S43 (2oo3)	3	e	3	SEBS- A.095133/15 TB1	8112819545	valid	07.11.2016	07.11.2021

* Only valid for the technical realization AMB42, AMB57, AMB63, AMB63v1 with external diagnostic by the control system, as documented in the safety manual.

	Release Braun	Release Assessor	Release Certification body:
Signature:			
Date:			7.11.2016