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List of variants

on the

Safety Component EKS2

Applicant

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Testing Laboratory for Safety Components

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Certification Body

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Modification History

Rev.	Status	Date	Author	Modification / Description
1.0	Active	2025-08-12	Thomas Kreten	

Table 1: Modification history

Nomenclature of EKS2

Nomenclature and Identification of EKS2 (Compact Device)

Nomenclature and Identification of EKS2 (Compact device) with safety parameter Kat 3 PLd SIL2. The product tested is identified by the nomenclature as follows:

EKS2-a-bbb-c-ldee-fg-xxxxxx

with:

a	System component	
	C:	Compact device
bbb	Interface1	
	USB:	USB
c	Interface2	
	M:	1ooN - outputs
d	User interface	
	1:	Read head RFID
ee	Design housing	
	S1:	Type S with slot for Smartcards (Version 1)
f	Reading frequency	
	B:	13,56 MHz
g	Reading technology	
	1:	Typ 1 (MIFARE DESFire, ..)
xxxxxx	ID	
		6 Digits

The EKS2 (compact device) tested is identified by the following revisions:

Name	Version	Remarks
EKS compact device	V1.1.2	DEVI_0023

Table 2: Device identification of EKS2 (compact device)

The EKS2 (compact device) tested is identified by the following hardware and software version:

Name	HW	Remarks
HW SubDevice	V2	LP170254 V2.0 HWSD_0093

Table 3: HW identification of EKS2 (compact device)

Name	SW	Remarks
SWD_EKS_Neu	V1.1.2.0	SWSD_0046 Safety processor Channel A SWSD_0047 Safety processor Channel B

Table 4: SW identification of EKS2 (compact device)

Nomenclature and Identification of EKS2 (EvalUnit and ReadUnit)

Nomenclature and Identification of EKS2 (EvalUnit and ReadUnit) with safety parameter Kat 3 PLe SIL3.
The product tested is identified by the nomenclature as follows:

EKS2-a-bbbb-cc-dd-zzzzzz

with:

a	System component
	E: EKS2 EUCHNER EvalUnit
	R: EKS2 EUCHNER ReadUnit
bbbb	Interface1
	PN: PROFINet
	USB: USB
	I1xx ReadUnit mechanics (different housing designs for the key e.g. A1*)
cc	Interface2
	M: 1ooN – outputs transponder technology:
	A1: 125 kHz
	B1: 13,56 MHz
	C1: 125 kHz and 13,56 MHz in mixed mode
dd	space only for eval unit - Design housing:
	H1: housing universal
zzzzzz	ID
	6 Digits

The EKS2 tested is identified by the following revisions:

Name	Version	Remarks
a) EKS2 Device Eval Unit	V1.0.1.7	DEVI_0044
b) EKS2 Device Read Unit	V1.0.1.1	DEVI_0043 (ReadUnit)

Table 5: Device identification of EKS2

The EKS2 tested is identified by the following hardware and software version:

Name	HW	Remarks
Zu a) HWD_0009 HW SubDevice (HWSD_0069)	V 1.0.0.0 V 8.2.0.0	LP172898 A1 (ID104b_Evalunit_173320_1_STRL)
Zu b) HWD_0010 HW SubDevice (HWSD_0062)	V 1.0.0.0 V 7.2.0.0	LP 173320 A1 (ID104a_Fronthook_172898_1_STRL)

Table 6: HW identification of EKS2

Name	SW	Remarks
Zu a) SWD_0014 (EvalUnit) SWSD_0065 SWSD_0066 SWSD_0068	v1.0.1.7 v1.0.1.4 v1.0.1.3 v1.0.8.0	EKS2_EvalUnit SWSD_EKS2_Euchner_EvalUnit_ChB SWSD_EKS2_Euchner_EvalUnit_ChC SWSD_EKS2_Euchner_EvalUnit_ChD
Zu b) SWD_0011 (FrontHook) SWSD_0058	v1.0.1.1 v1.0.1.1	EKS2_FrontHook SWSD_EKS2_Euchner_FrontHook_ChA

Table 7: SW identification of EKS2

	Release by Certification Body:	Release by Testing Laboratory:
Date and Signature:		