



Product Service

CERTIFICATE

No. Z10 040393 0046 Rev. 02

Holder of Certificate: **Euchner GmbH + Co. KG**

Kohlhammerstr. 16
70771 Leinfelden-Echterdingen
GERMANY

Certification Mark:



Product: **Safety components**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: EL97814T

Valid until: 2030-04-08

Date, 2025-04-15

(Peter Weiß)

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Parameters:

Operating Temperature compact:	-20°C to 60°C
Operating Temperature Eval / Read:	-20°C to 55°C
Storage Temperature (compact):	(-45°C) -35°C to 85°C
IP Protection Key slot:	IP 54
IP Protection Read Unit:	IP 65 / IP 67 / IP 69
IP Protection Inside the panel:	IP 20

Tested according to:

2006/42/EC
 EN ISO 13849-1:2023 (Cat. 3, PL d / e)
 EN 61508-1:2010 (SIL 2 / 3)
 EN 61508-2:2010 (SIL 2 / 3)
 EN 61508-3:2010 (SIL 2 / 3)
 EN IEC 62061:2021 (maximum SIL 2 / 3)

Model(s):

EKS2

For nomenclature see below

Nomenclature of Sensor

Compact device (SIL 2, Cat 3, PL d)

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

with:

a	System component	
	C:	Compact device
bbb	Interface1	
	USB:	USB
c	Interface2	
	M:	100N - outputs
d	User interface	
	1:	Read head RFID
ee	Design housing	
	S1:	Type S with slot for DMG-Smartcards (Version 1)
f	Reading frequency	
	B:	13,56 MHz
g	Reading technology	
	1:	Typ 1 (MIFARE DESFire, ..)
xxxxxx	ID	
	6 Digits	

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Eval Unit and Read Unit (SIL 3, Cat 3, PL e)

EKS2-a-bbbb-cc-dd-zzzzzz

with:

a	Svstem component
	E: EKS2 EUCHNER Eval Unit
	R: EKS2 EUCHNER Read Unit
bbbb	Interface1
	PN: PROFINet
	USB: USB
	I1xx front hook mechanics (different housing designs for the key e.g. A1*)
cc	Interface2
	M: 100N - 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

Nomenclature of Smart Card

EKS2-K-S-B-D2-CC-xxxxxx

with:

CC	Custom Color
xxxxxx	ID
	6 Digits

Nomenclature of Smart Tag

EKS2-K-K-B-D2-CC-zzzzzz

with:

CC	Custom Color
zzzzzz	ID
	6 Digits