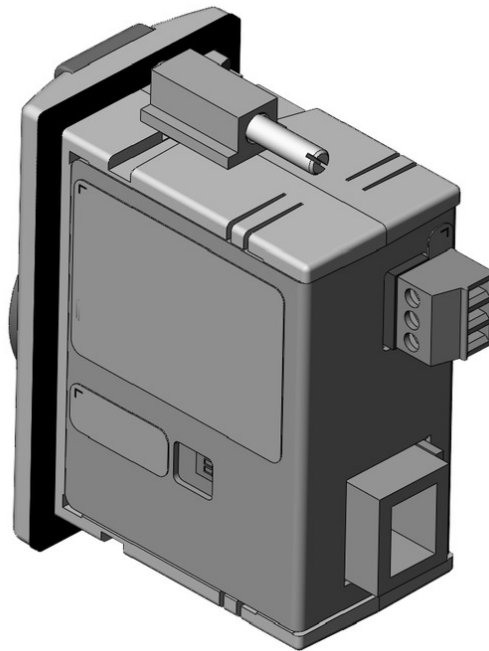


ITEM 106305 EKS-A-IIX-G01-ST02/03

Description	Technical data	Accessories	Downloads
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Features

- › Electronic-Key adapter with PROFINET IO interface
- › read/write system
- › Remote installation
- › Electronic-Key adapter and electronics in one housing
- › Reliable retention of the Electronic-Key, even if there is heavy vibration
- › Transfers the data from the Electronic-Key to a control system for processing
- › Connection to PLC
- › PROFINET protocol, cyclic data transfer to control system
- › Interfacing via GSDML file
- › Various options for address assignment, also using DIP switches

Approvals



Mechanical values and environment

Housing material	PA6-GF30 gray
Ambient temperature	0 ... 55 °C
Degree of protection	IP67 in installed state (only access side)
Mounting cut-out according to DIN 43700	33 x 68 mm
Installation position	On the front
	PROFINET interface
Connection	RJ-45 socket

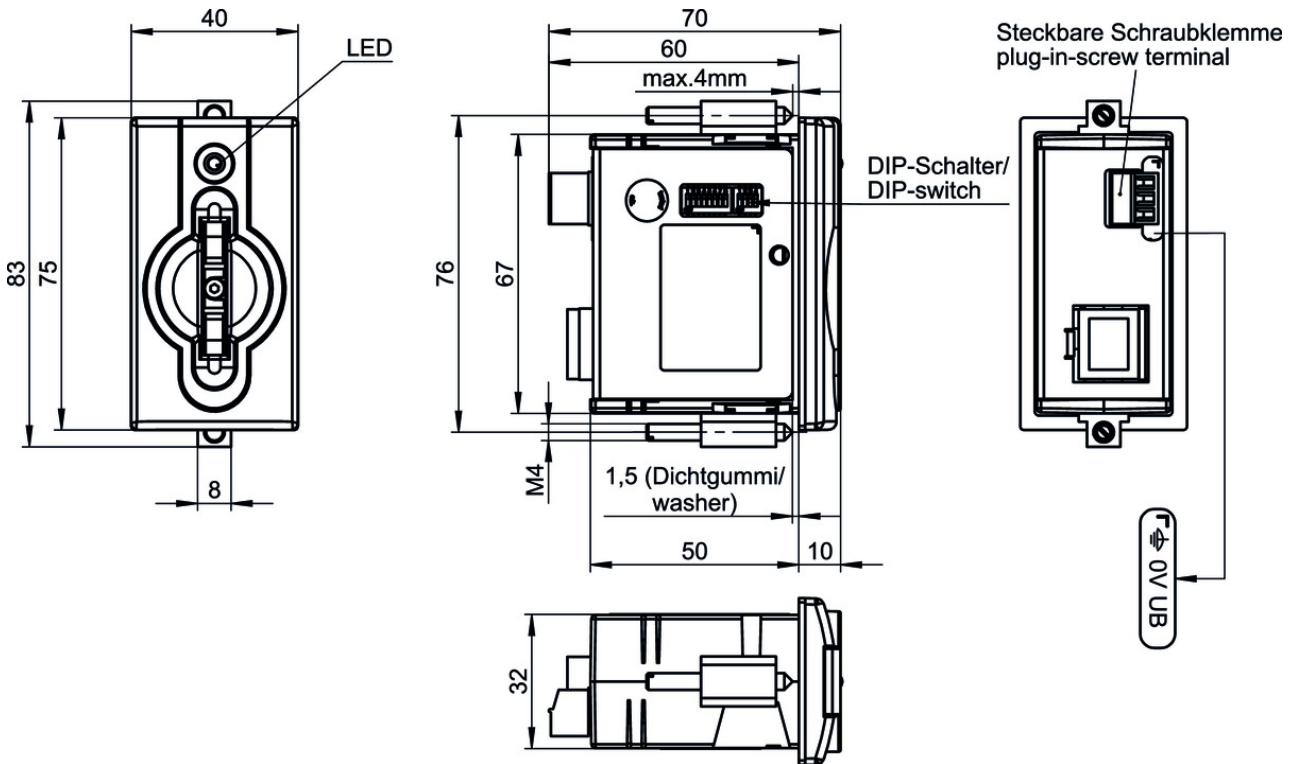
Electrical connection ratings

LED indicator	Green	Operational
	Yellow	Key in operating distance
	Red	Fault
		PROFINET interface
Connecting cable		Min.2x2 twisted pair copper cable shielded, min. Cat. 5
		Star topology wiring
		Power supply
Operating voltage DC		20 ... 24 ... 28 V DC
Current consumption		max.150 mA

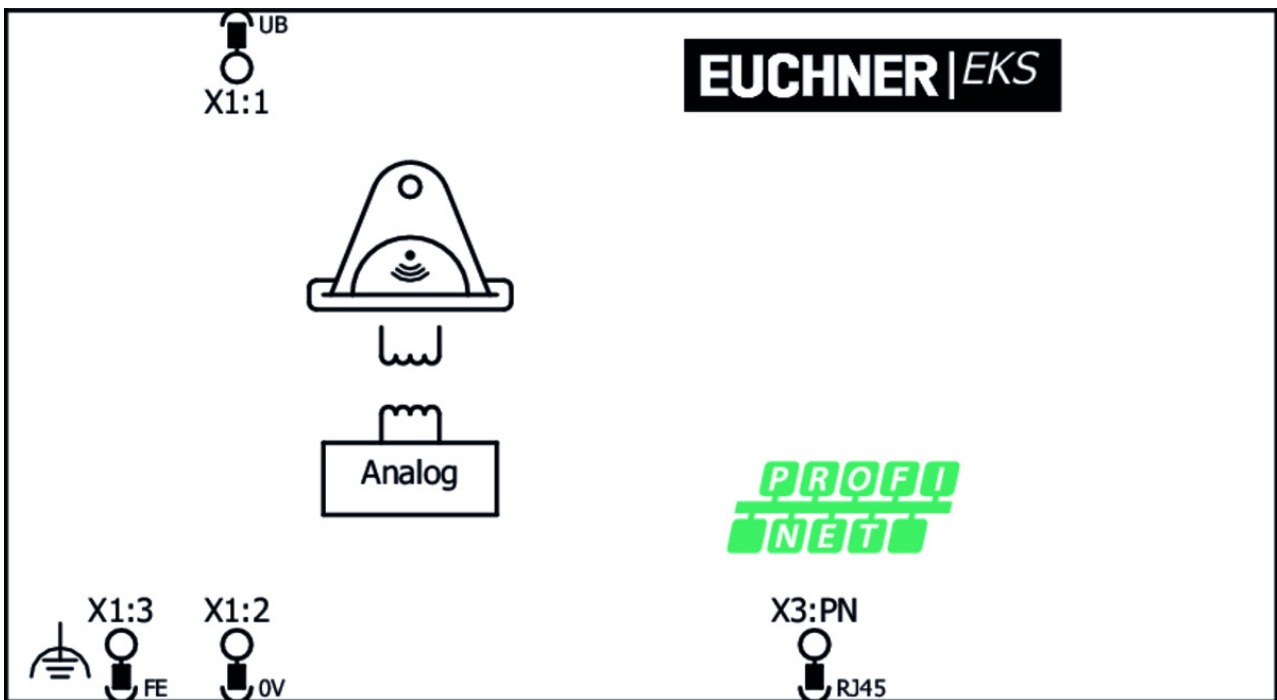
Interface, bus

	PROFINET interface
Data protocol	PROFINET
Data rate	10/100 Mbit/s
Data interface	Ethernet (IEEE 802.3)

Dimension drawing



Block diagram



Electronic-Key

- ✓ Electronic-Key read/write



084735 EKS-A-K1BKWT32-EU

- ✓ Features

- › Memory 116 bytes E²PROM (programmable) plus 8 bytes ROM (serial)

number)



077859 EKS-A-K1RDWT32-EU

✓ Features

- › Memory 116 bytes E²PROM (programmable) plus 8 bytes ROM (serial number)



094839 EKS-A-K1GNWT32-EU

✓ Features

- › Memory 116 bytes E²PROM (programmable) plus 8 bytes ROM (serial number)



091045 EKS-A-K1BUWT32-EU

✓ Features

- › Memory 116 bytes E²PROM (programmable) plus 8 bytes ROM (serial number)



094840 EKS-A-K1YEWT32-EU

✓ Features

- › Memory 116 bytes E²PROM (programmable) plus 8 bytes ROM (serial number)



123097 EKS-A-K1WHWT32-EU

✓ Features

- › Memory 116 bytes E²PROM (programmable) plus 8 bytes ROM (serial number)



123098 EKS-A-K1OGWT32-EU

✓ Features

- › Memory 116 bytes E²PROM (programmable) plus 8 bytes ROM (serial number)









Instructions

- ✓ Manual EKS and EKS FSA with PROFINET IO interface Compact from V3.X.X / Modular from V1.1.X

	Doc. no.	Version	Language	Download
Handbuch EKS und EKS FSA mit PROFINET IO-Schnittstelle Kompakt ab V3.X.X / Modular ab V1.1.X	2516210	01-06/18		2.4 MB
Manual EKS and EKS FSA with PROFINET IO interface Compact from V3.X.X / Modular from V1.1.X	2516210	01-06/18		2.5 MB





Catalogs

▼ Electronic-Key-System EKS Electronic-Key-System EKS Electronic-Key-System EKS Electronic-Key-System EKS





	Doc. no.	Version	Language	Download
Electronic-Key-System EKS	086808	14-04/17		 3.2 MB
Electronic-Key-System EKS	092953	14-04/17		 3.2 MB
Electronic-Key-System EKS	114432	14-04/17		 3.2 MB
Electronic-Key-System EKS	086809	14-04/17		 3.2 MB

Application example



▼ Definition der Schlüsselstruktur auf einem EKS-Schlüssel

	Doc. no.	Version	Language	Download
Definition der Schlüsselstruktur auf einem EKS-Schlüssel	AP000169-1	02-09/15		 0.5 MB
Definition of the Electronic-Key structure on an EKS Key	AP000169-1	02-09/15		 0.4 MB

▼ EKS an Siemens S7-300 – CRC prüfen

	Doc. no.	Version	Language	Download
EKS an Siemens S7-300 – CRC prüfen	AP000169-5	02-09/15		 0.5 MB
EKS on Siemens S7-300 – checking CRC	AP000169-5	02-09/15		 0.3 MB



▼ EKS mit Datenschnittstelle: Weitergabe von Informationen an Maschinenbauer

	Doc. no.	Version	Language	Download
EKS mit Datenschnittstelle: Weitergabe von Informationen an Maschinenbauer	AP000169-6	02-09/15		 0.2 MB





▼ EKS-Profinet an Siemens S7-300 – EKS Schlüssel einlesen

	Doc. no.	Version	Language	Download
EKS-Profinet an Siemens S7-300 – EKS Schlüssel einlesen	AP000169-4	02-09/15		 0.7 MB
EKS Profinet on Siemens S7-300 – reading in EKS Electronic-Keys	AP000169-4	02-09/15		 0.4 MB





▼ EUCHNER EKS FSA Research Report

	Doc. no.	Version	Language	Download
EUCHNER EKS FSA Research Report	AP000169-IFA	01-09/15		 0.3 MB

▼ Einrichten der EKM Software als Programmierplatz






	Doc. no.	Version	Language	Download
Einrichten der EKM Software als Programmierplatz	AP000169-2	02-09/15		 1.0 MB
Setting up the EKM software as a programming station	AP000169-2	02-09/15		 0.9 MB

▼ Übersicht über EKS-Applikationen

	Doc. no.	Version	Language	Download
Übersicht über EKS-Applikationen	AP000169	02-09/15		 0.5 MB
Overview of EKS applications	AP000169	02-09/15		 0.3 MB

Declaration of conformity

EU-Konformitätserklärung

	Doc. no.	Version	Language	Download
EU-Konformitätserklärung	2093140	07-01/17		 0.3 MB
Declaración UE de conformidad				
Déclaration UE de conformité				
Dichiarazione di conformità				
EU declaration of conformity			