

ITEM 122352 EKS-A-AIX-G18

Description	Technical data	Accessories	Downloads
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Features

- › Interface adapter with PROFINET IO interface
- › read/write system
- › Usage in conjunction with Electronic-Key adapter FHM
- › A complete read/write station comprises an Electronic-Key adapter FHM and a modular interface adapter
- › 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
- › IMPORTANT: The plug-in connection terminals are not included with the interface adapter and must be ordered separately.

Approvals

Mechanical values and environment

Housing material	PA6.6 gray
Ambient temperature	0 ... 55 °C
Mounting method	Mounting rail 35mm according to DIN EN 60715 TH35

Electrical connection ratings

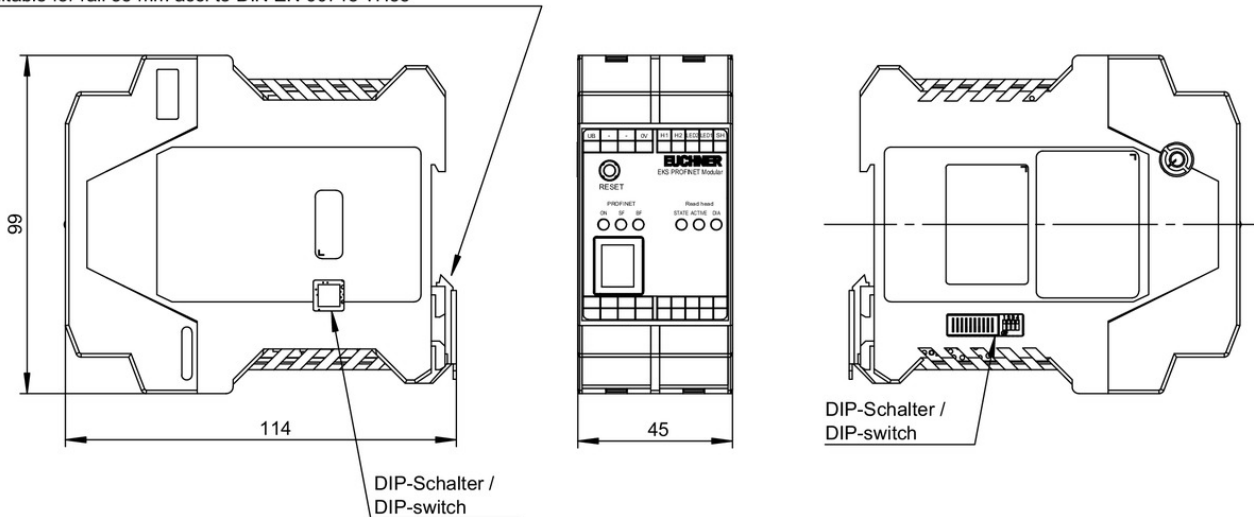
Operating voltage DC	20 ... 24 ... 28 V DC
Current consumption	
Without load	max.150 mA
Connection cross-section	
Operating voltage, screw terminal 2x2-pin	0,2 ... 2,5 mm ²
Electronic-Key adapter, screw terminal 5-pin	0,2 ... 1,5 mm ²
	PROFINET LED indicator
LED indicator	
Profinet	active / green
Profinet	system error / red
Profinet	bus error / red
	Read head LED indicator
LED indicator	
Read head	readiness for operation / green
Read head	Electronic-Key in the operating distance / yellow
Read head	fault / red
	PROFINET interface
Connecting cable	min. 2x2 twisted pair copper cable shielded, min. cat. 5

Interface, bus

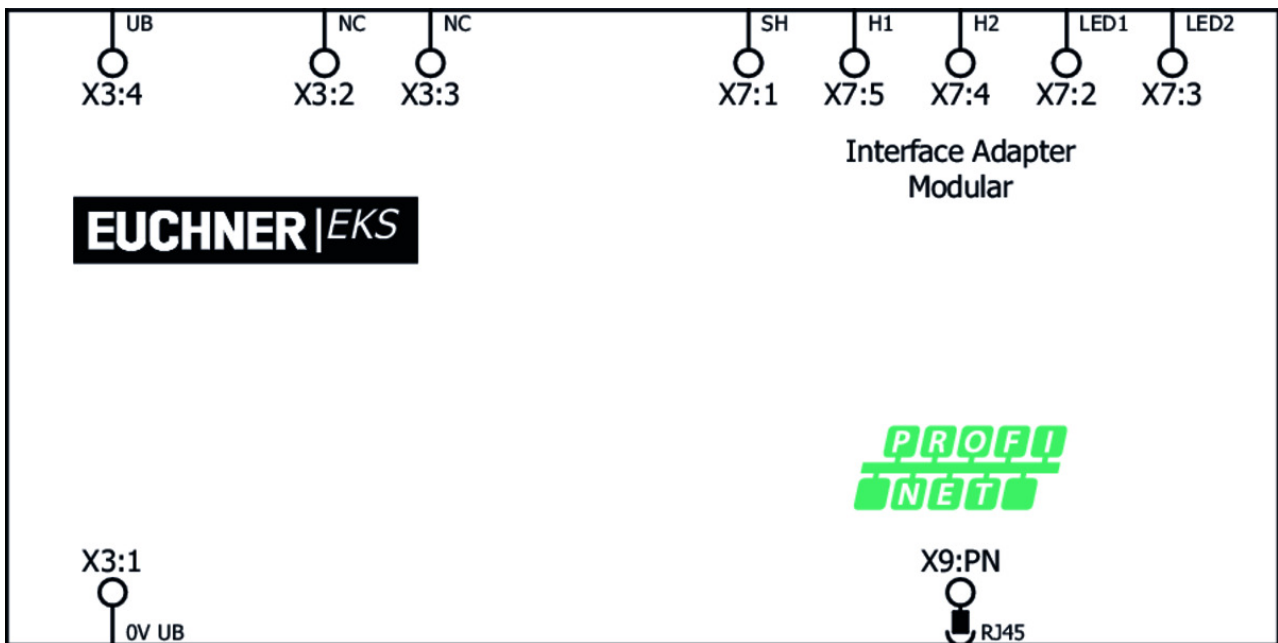
	PROFINET interface
Data protocol	PROFINET
Data interface	Ethernet (IEEE 802.3)

Dimension drawing

passend für Hutschiene 35 mm nach DIN EN 60715 TH35 /
suitable for rail 35 mm acc. to DIN EN 60715 TH35



Block diagram



Electronic-Key

Electronic-Key read/write



077859 EKS-A-K1RDWT32-EU

Features

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



084735 EKS-A-K1BKWT32-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)



094839 EKS-A-K1GNWT32-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)

Electronic-Key-System

✓ Electronic-Key adapter EKS Front hook modular FHM, with flying lead



106585 EKS-A-SFH-G30-2000

✓ Features

- › Small design for installations where there is little space
- › Installation in standard assembly hole Ø 22.5 mm
- › Closed design, rounded contours for hygienic areas
- › Plastic with high resistance to media
- › IP 69K
- › Cable 2 m with flying lead

✓ Electronic-Key adapter EKS Front hook modular FHM, with M8 male plug



116118 EKS-A-SFH-G30-ST150

✓ Features

- › Small design for installations where there is little space
- › Installation in standard assembly hole Ø 22.5 mm
- › Closed design, rounded contours for hygienic areas
- › Plastic with high resistance to media
- › IP 69K
- › Cable 0.13 m with M8 male plug

Connection material

- Connection kit for interface adapter EKS PROFINET, screw terminals

125543 AC-SC-04/05-V2-125543

- Features

- › Plug-in screw terminals for EKS interface adapter with PROFINET interface
- › 1 4-pin female plug, coded
- › 1 5-pin female plugs

- Connection kit for interface adapter EKS PROFINET, spring terminals





125548 AC-CC-04/05-V2-125548

- Features

- › Plug-in spring terminals for EKS interface adapter with PROFINET interface
- › 1 4-pin female plug, coded
- › 1 5-pin female plugs






Instructions

- Handbuch EKS und EKS FSA mit PROFINET-Schnittstelle Kompakt bis V2.10.X / Modular bis V1.0.X

	Doc. no.	Version	Language	Download
Handbuch EKS und EKS FSA mit PROFINET-Schnittstelle Kompakt bis V2.10.X / Modular bis V1.0.X	2109283	04-05/18		 2.2 MB
Manual EKS and EKS FSA with PROFINET Interface Compact up to V2.10.X / Modular up to V1.0.X	2109283	04-05/18		 2.1 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 Declaración UE de conformidad Déclaration UE de conformité Dichiarazione di conformità EU declaration of conformity	2093140	07-01/17	 	0.3 MB