

ITEM 113645 EKS-A-APRA-G08

Description	Technical data	Accessories	Downloads
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Features

- › Interface adapter with 4-bit parallel interface
- › Usage in conjunction with Electronic-Key adapter FHM
- › A complete read-only system consists of an Electronic-Key adapter FHM and a modular interface adapter
- › Simple connection
- › Read-only system
- › Internal evaluation of the data from the Electronic-Key
- › Output of the access level via 4-bit parallel interface
- › Has all operating states
- › Connection to PLC
- › Version FSA (For Safety Applications)

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
Number of read heads	max.1
Connection	Plug-in screw terminal

Electrical connection ratings

LED indicator		
	Green	Operational
	Yellow	Key in the operating distance
	Red	Fault
Connection cross-section	0,14 ... 2,5 mm ²	
Interface and signaling		
Switching voltage	U _B -2 ... U _B V	
Switching current	1 ... 10 ... 50 mA	
Power supply		
Operating voltage DC	9 ... 24 ... 28 V DC [1]	
Current consumption	max.70 mA	
Parameters for floating semiconductor switching contact LA		
Switching voltage	24 ... 30 V	
Switching current	1 ... 10 ... 50 mA [2]	
Utilization category according to EN 60947-5-1		
	AC-15	24V 50mA
	AC-12	24V 50mA
	DC-12	24V 50mA
Utilization category according to EN 60947-5-2		
	DC-13	24V 50mA

Interface, bus

	Interface and signaling
Data interface	4-bit parallel plus strobe, binary coded via High/Low level

Miscellaneous

	Parameters for floating semiconductor switching contact LA
Additional feature	

Resistance in switched-on state in Ohm 35

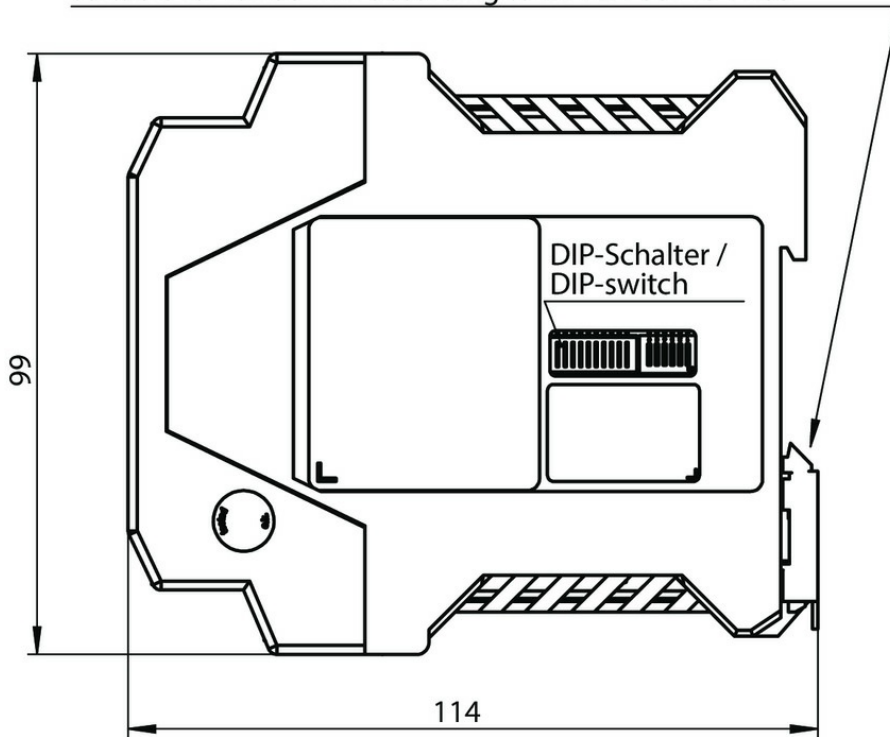
Capacitive load on output in $\mu\text{Fmax.1}$

[1] For use and operation as per the UL requirements, a power supply with the feature "for use in class 2 circuits" must be used.

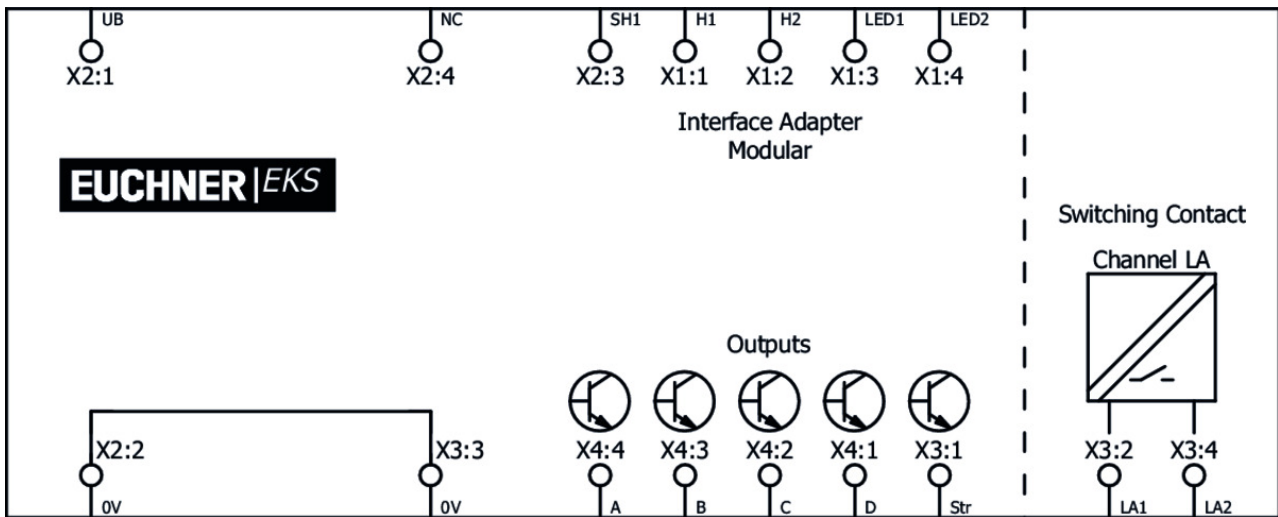
[2] Function description of the overload protection in the Electronic-Key adapter manual, order No. 110845

Dimension drawing

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



Block diagram



Electronic-Key

✓ Electronic-Key read/write



123098 EKS-A-K10GWT32-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)



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)



123097 EKS-A-K1WHWT32-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)

number)



084735 EKS-A-K1BKWT32-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 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

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

Instructions





Manual EKS Light and Light FSA

	Doc. no.	Version	Language	Download
Handbuch EKS Light und Light FSA	110845	04-03/12		2.4 MB
Manual EKS Light and Light FSA	110845	04-03/12		2.4 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





▼ EKS Light FSA an Siemens S7-300 – Betriebsartenwahl mit Touchscreen

	Doc. no.	Version	Language	Download
EKS Light FSA an Siemens S7-300 – Betriebsartenwahl mit Touchscreen	AP000200	01-08/16		 2.0 MB
EKS Light FSA on Siemens S7-300 – operation mode selection with touchscreen	AP000200	01-08/16		 1.7 MB

▼ EKS Light FSA an Siemens S7-300 – Betriebsartenwahl mit Touchscreen – praktische Umsetzung







	Doc. no.	Version	Language	Download
EKS Light FSA an Siemens S7-300 – Betriebsartenwahl mit Touchscreen – praktische Umsetzung	AP000200-2	01-06/18		 0.9 MB
EKS Light FSA on Siemens S7-300 – selection of operating mode using touchscreen – practical implementation	AP000200-2	01-06/18		 2.8 MB

▼ Untersuchungsbericht IFA - Verfahren zur Realisierung der Betriebsartenwahl an Maschinen unter Nutzung des EKS light FSA als Zugangssystem

	Doc. no.	Version	Language	Download
Untersuchungsbericht IFA - Verfahren zur Realisierung der Betriebsartenwahl an Maschinen unter Nutzung des EKS light FSA als Zugangssystem	AP000200-IFA	01-07/16		 0.5 MB
RESEARCH REPORT IFA - Procedure for operation mode selection on machines using the EKS light FSA as an access system	AP000200-IFA	01-07/16		 0.6 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