

## EKS-A-IPLA-G01-ST05/04 (Order no. 112207)

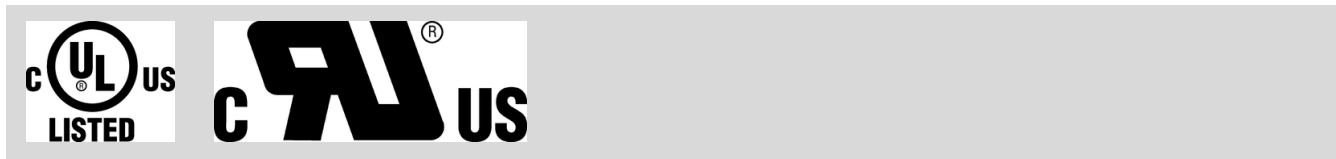
### Electronic-Key adapter EKS Light FSA compact (supports all operating states)

- ▶ Electronic-Key adapter with 4-bit parallel interface
- ▶ Simple connection
- ▶ Read-only system
- ▶ Electronic-Key adapter and evaluation electronics in one housing
- ▶ Reliable retention of the Electronic-Key, even if there is heavy vibration
- ▶ 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)



## Technical data

### Approvals



### Operating and display elements

LED display

green	operational
red	Error
yellow	Key in actuating range

### Electrical connection values

Connection cross section	0.14 ... 1.5 mm <sup>2</sup>
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#### Power supply

Operating voltage DC	9 ... 24 ... 28 V DC (This device is intended to be used with a Class 2 power source in accordance with UL1310.)
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Current consumption	max. 70 mA
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#### Interface and signaling

Switching voltage	$U_B - 2 \dots U_B$ V (High signal)
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Switching current	1 ... 10 ... 50 mA (High signal)
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#### Parameters for floating semiconductor switching contact LA

Utilization category	
	DC-12 24V 50mA
	AC-15 24V 50mA
	DC-13 24V 50mA
	AC-12 24V 50mA

Switching voltage	0 ... 24 ... 30 V
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Switching current	1 ... 10 ... 50 mA in event of short circuit the output is shut down (Function description of the overload protection in the Electronic-Key adapter manual, order No. 110845)
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## Mechanical values and environment

Storage temperature	-25 ... 70 °C
Mounting type	in the installed state
Mounting cut-out	33 x 68 mm
Degree of protection	
in mounted condition (only access side)	IP67
Ambient temperature	-20 ... 70 °C
Material	
Housing	PA6-GF30, gray

## Characteristic values according to EN ISO 13849-1 and EN IEC 62061

	MTTF <sub>D</sub>	λD	MTTF	MTBF	RDF	Mission time
Safe key detection	200 y					20 y
	Important! Maximum category 3 and DC 92 % achievable due to the internal device design.					

## Miscellaneous

	<b>Parameters for floating semiconductor switching contact LA</b>
Additional feature	
	max. 1 Capacitive load on output in µF
	35 Resistance in switched-on state in ohm

## Interface

	<b>Interface and signaling</b>
Date interface	4-bit parallel plus strobe, binary coded via High/Low level