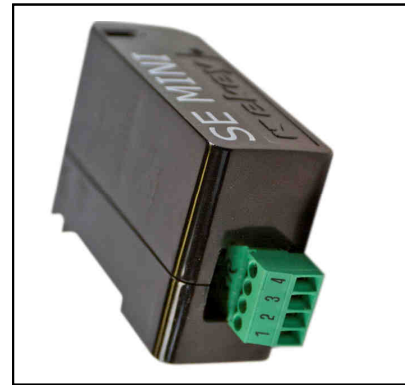


## ekey net control panel mini 1/2 ekey net EM mini 3



### Product description

The *ekey net CP mini* is a control panel (actuator) featuring, depending on the model, 1 or 2 potential-free relays to control motorized door locks or electric strikes. The *ekey net CP mini* can only be operated within the networkable access control system *ekey net* version 4.1 and above. The *ekey net CP mini* should be mounted on a 35mm DIN rail within the electric control cabinet.

The *ekey net EM mini 3* is an extension modul for 3 additional potential-free relays for the ekey net CP 1 or 2.

### Features

- DIN rail mounted device 4HP
- Mounting on 35 mm DIN rail, compliant with DIN EN 55022, respectively DIN EN 60715 TH35
- AC /DC supply
- Power supply for finger scanners of the ekey net product range with watchdog feature (only 1-relay version)
- 1-3 potential-free relays, depending on the model
- 1 digital input to monitor door status on the 1-relay model (controlled via potential-free contact)
- Operational only within networkable access control system *ekey net*
- 1 status LED for bus status
- Both status of relays and digital inputs are visualized via LEDs
- Protection class IP20

### Description and item number

Description	Relays	Inputs	Item #:
ekey net CP mini 1	1	1	100666
ekey net CP mini 2	2	0	100667
ekey net EM mini 3	3	0	100668

### Standards

The *ekey net CP mini* is compliant with the 2004/108/EG (CE) and 2002/95/EC (RoHs) guidelines.

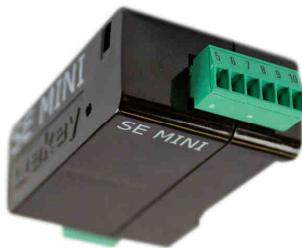
#### Applied harmonized standards

EN 61000-6-2:2005
EN 61000-6-3:2007



### Pin assignment

The electric connection of the *ekey net CP mini* is done via screw terminals. The push terminals are supplied with the product.



Clamp #:	CP mini 1 100666	CP mini 2 100667	EM mini 3 100668	Recommended cable color (ekey standard)
1	RS485B (CL1)	RS485B (CL1)	RS485B (CL1)	Green
2	RS485A (CL2)	RS485A (CL2)	RS485A (CL2)	Yellow
3	-VCC (CL3) switched	-VCC (CL3) switched	-VCC (power supply) or e.g. 9V AC	Brown
4	+ VCC (CL4)	+ VCC (CL4)	+ VCC (power supply) or power supply 9V AC	White
5	(Relay 1 Contact 1)	(Relay 1 Contact 1)	(Relay 1 Contact 1)	-
6	(Relay 1 Contact 2)	(Relay 1 Contact 2)	(Relay 1 Contact 2)	-
7	Door Contact	(Relay 2 Contact 1)	(Relay 2 Contact 1)	-
8	Door Contact	(Relay 2 Contact 2)	(Relay 2 Contact 2)	-
9	-VCC (power supply) or e.g. 9V AC	-VCC (power supply) or e.g. 9V AC	(Relay 3 Contact 1)	-
10	+ VCC (power supply) or e.g. 9V AC	+ VCC (power supply) or e.g. 9V AC	(Relay 3 Contact 2)	-

## Cable recommendation

We recommend using the cable types below in your system:

**J-Y(ST)Y 4 x 2 x 0,8**

**Wire configuration:**

2x RS485 bus (green/white) + 2x RS485 (yellow/white) as a reserve

2x power supply (red/blue) + 2x as a reserve (brown/white) for cross-section increase for cable lengths > 50m

## Technical data

### Absolute maximum threshold value

Operating the devices beyond these values will destroy them!

Technical data ekey net CP mini	Unit	Values
<b>Supply</b>	VAC	8-24
	VDC	8-30
<b>Power input</b>	W	~ 1W
<b>Temperature range</b>	°C	-20° up to +70
<b>Interface</b>		RS485
<b>Relay</b>	Quantity	1-3 <sup>1)</sup>
<b>Relay data, max. switching voltage</b>	Max. switching voltage <sup>2)</sup>	42V DC 1A
<b>Protection class</b>	IP 20	Indoors (electric control cabinet)
<b>Operation</b>	1	Reset button (countersunk)
<b>Visual indications</b>	1	Status LED
<b>Max. cable length for communication (CLAMP 1,2) <sup>3)</sup></b>	m	500
<b>Max. length of the power supply cable (CLAMP 5,6) when operated in an industrial area</b>	m	30
<b>Max. length of the connection cables for relay contact and digital input (CLAMP 7-12) when operated in an industrial area</b>	m	30
<b>Dimensions HxWxD</b>	mm	60 x 25 x 42

1) Depending on the model.

2) Ohmic load exclusively.

3) When using the recommended cables.

## Accessories

No accessories available.

**Subject to optical and technical modifications, any liability for misprints excluded.**

