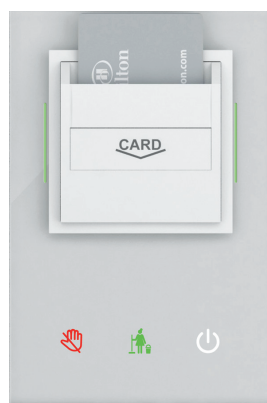


GCH3-31/B



GCH3-31/W

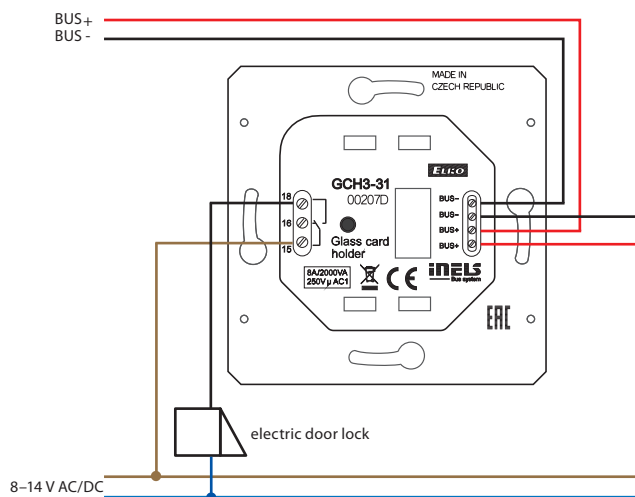
EAN code\*

The picture of device is illustrative, the icons (symbols) are configurable by the customer.

Technical parameters	GCH3-31
<b>Input</b>	
Illuminance sensor:	1 to 100 000 Lx
<b>Buttons</b>	
Number of control buttons:	3
Typ:	capacitive
Indication:	coloured illuminated symbol
<b>RFID readers</b>	
Supported frequencies:	13.56 MHz
Card Type:	MIFARE Ultralight, DESFire 2K (EV1), DESFire 4K (EV1)
<b>Outputs</b>	
Signalling:	Do Not Disturb, Make Up Room
Output:	1x changeover 8 A/AgSnO <sub>2</sub>
Acoustic output:	piezo-changer
Tactile output:	vibration motor
Switching voltage:	230 V AC/30 V DC
Switching output:	2000 VA/AC1; 240 W/DC
Peak current:	20 A/<3s
Insulation voltage between relay outputs and internal circuits:	3.75 kV, SELV according to EN 60950
Minimal switched current:	10 mA/10 V
Switching frequency without load:	300 min <sup>-1</sup>
Switching frequency with rated load:	10 min <sup>-1</sup>
Mechanical life:	1x 10 <sup>7</sup>
Electrical life AC1:	1x 10 <sup>5</sup>
<b>Communication</b>	
Installation BUS:	BUS
<b>Power supply</b>	
Supply voltage/tolerance:	27 V DC, -20/+10 %
Dissipated power:	max. 2 W
Rated current:	100-120 mA (at 27 V DC), from BUS
<b>Connection</b>	
Data:	terminals, 0,5 - 1 mm <sup>2</sup>
Network:	max. 2.5 mm <sup>2</sup> /1.5 mm <sup>2</sup> with sleeve
<b>Operating conditions</b>	
Relative humidity:	max. 80 %
Operating temperature:	-20 to +55 °C
Storing temperature:	-30 to +70 °C
Protection degree:	IP20
Overvoltage category:	II.
Pollution degree:	2
Operation position:	any
Installation:	into installation box
<b>Dimensions and weight</b>	
Dimensions:	142 x 94 x 36 mm
Weight:	210 g

- Glass card holder GCH3-31 is part of a comprehensive range of glass iNELS control units for guest room management system (GRMS).
- GCH3-31 serves for inserting the RFID card into the holder, whereby the system acquires the information about whether the hotel guest is present in the room. With this information it is possible to ensure for example Exit function with relation to energy savings in the absence of a guest in the room.
- Glass card holder is a design component of the iNELS system and is available in elegant black (GCH3-31/B) and white (GCH3-31/W) version.
- The GCH3-31 component is equipped with an RFID reader and is thus able to identify the specific hotel card inserted. Power saving function in the absence of a guest cannot be bypassed by simply inserting business cards into the holder.
- GCH3-31 supports RFID media with a carrier frequency of 13.56 MHz. Supported card types are MIFARE Ultralight, DESFire 2K (EV1), DESFire 4K (EV1).
- The unit is also equipped with three touch buttons that can be used for example to set room status "Do Not Disturb" or "Make Up Room". This condition is then signalled to the glass card reader GCR3-11 or glass info panel GDB3-10 which are placed before the entrance to the room. Information may be sent directly to the hotel reception.
- Engraving of symbols is possible upon a request. The logo of the hotel can be shown as well. Likewise, it is also possible to adapt the card design.
- The GCH3-31 unit is equipped with an 8 A relay output and an AgSnO<sub>2</sub> contact.
- Individual symbols can be illuminated in one of seven colours - red, green, blue, yellow, pink, turquoise and white.
- GCH3-31 are designed for mounting into an installation box.

### Connection



\* Order codes of all colours are available in the iNELS price list.

## Loadability of contacts



















### Minimum load

Relay contact	mV	V/mA
AgSnO <sub>2</sub>	1000	10/100



















### Minimum load

Relay contact	mV	V/mA
AgNi	300	5/10



















### GCR3-11, GCH3-31, GMR3-61, SA3-02B, SA3-06M, SA3-012M, WMR3-21

Type of load	 AC1	 AC2	 AC3	 AC5a uncompensated	 AC5a compensated	 AC5b	 AC6a	 AC7b	 AC12
Contact material AgSnO <sub>2</sub> contact 8 A	250 V/8 A	250 V/2.5 A	250 V/1.5 A	230 V/1.5 A (345 VA)	230 V/1.5 A (345 VA) till max output C=14uF	250 W	250 V/4 A	250 V/1 A	250 V/1 A
Type of load	 AC13	 AC14	 AC15	 DC1	 DC3	 DC5	 DC12	 DC13	 DC14
Contact material AgSnO <sub>2</sub> contact 8 A	x	250 V/3 A	250 V/3 A	24 V/8 A	24 V/3 A	24 V/2 A	24 V/8 A	24 V/1 A	x



















### LBC3-02M, SA3-04M, SA3-022M (RE7 - RE-10), EA3-022M (RE7 - RE-10), JA3-018M (U/D1 - U/D9)

Type of load	 AC1	 AC2	 AC3	 AC5a uncompensated	 AC5a compensated	 AC5b	 AC6a	 AC7b	 AC12
Contact material AgSnO <sub>2</sub> contact 16 A	250 V/16 A	250 V/5 A	250 V/3 A	230 V/3 A (690 VA)	230 V/3 A (690 VA) till max output C=14uF	1500 W	x	250 V/3 A	250 V/10 A
Type of load	 AC13	 AC14	 AC15	 DC1	 DC3	 DC5	 DC12	 DC13	 DC14
Contact material AgSnO <sub>2</sub> contact 16 A	250 V/6 A	250 V/6 A	250 V/6 A	24 V/16 A	24 V/6 A	24 V/4 A	24 V/16 A	24 V/2 A	24 V/2 A





### SA3-02B/Ni\*, SA3-06M/Ni\*, SA3-012M/Ni\*

Type of load	 AC1	 AC2	 AC3	 AC5a uncompensated	 AC5a compensated	 AC5b	 AC6a	 AC7b	 AC12
Contact material AgNi contact 8 A	250 V/8 A	250 V/2.5 A	250 V/1.5 A	230 V/1.5 A (345 VA)	x	400 W	x	250 V/1.5 A	250 V/5 A
Type of load	 AC13	 AC14	 AC15	 DC1	 DC3	 DC5	 DC12	 DC13	 DC14
Contact material AgNi contact 8 A	250 V/3 A	250 V/3 A	250 V/3 A	24 V/8 A	24 V/3 A	24 V/2 A	24 V/8 A	24 V/1 A	24 V/1 A

### SA3-06M/Ni\*, SA3-04M/Ni\*

Type of load	 AC1	 AC2	 AC3	 AC5a uncompensated	 AC5a compensated	 AC5b	 AC6a	 AC7b	 AC12
Contact material AgNi contact 16 A	250 V/16 A	250 V/5 A	250 V/3 A	230 V/3 A (690 VA)	x	800 W	x	250 V/3 A	250 V/10 A
Type of load	 AC13	 AC14	 AC15	 DC1	 DC3	 DC5	 DC12	 DC13	 DC14
Contact material AgNi contact 16 A	250 V/6 A	250 V/6 A	250 V/6 A	24 V/16 A	24 V/6 A	24 V/4 A	24 V/16 A	24 V/2 A	24 V/2 A

### JA3-018M (U/D1 - U/D9), SA3-022M (RE1 - RE6, OUT1 - OUT2, RE11 - RE16, SHUTTER), EA3-022M (RE1 - RE6, OUT1 - OUT2, RE11 - RE16, SHUTTER), FA3-612M (FAN1 - FAN3, RE)

Type of load	 AC1	 AC3	 AC15	 DC1
Contact material AgNi contact 6 A	250 V/6 A	230 V/0.8 A	230 V/1.3 A	30 V/3 A 110 V/0.2 A 220 V/0.12 A

Demonstrated symbols are informative.

\*Products with AgNi contact only up on request for extra charge.