

Product data sheet

Energy saving unit



Reference number

ESU 230-2

Energy saving unit (insert)

for key card holder RFID ref.-no.: .. CARD RFID ..

The intended use and the product characteristics refer to the complete device, consisting of energy saving unit and key card holder RFID.

Intended use

- Switching of lighting and other loads
- Triggering of external control systems
- Installation in flush box with dimensions according to DIN 49073

Product characteristics

- Operation with RFID cards according to RFID standard ISO/IEC 14443 and ISO/IEC 15693
- 2 1-way NO contacts, one of them with configurable switch-off delay
- Status indication with RGB lens
- Lens is dimming down 30 s after inserting the card
- Switch-off delay is signalled by RGB lens after removing the card

Technical data

Rated voltage:	AC 110 V~ / 230 V~
Mains frequency:	50/60 Hz
Switching current AC1 (cos ϕ > 0.8):	16 A
Current carrying capacity of device (A1 + A2):	max. 16 A
Switch type:	2 1-way NO contacts
Contact type:	μ
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +75 °C
Stand-by power:	max. 0.94 W
Connection mode:	screw terminals
single wire:	1 x 2.5 mm ² or 2 x 1.5 mm ²
Connected load, 230 V	
Output 1 (A1)	
Ohmic:	3000 W
Motors:	1160 VA
HV halogen lamps:	1000 W
Electronic transformers with LV halogen lamps:	1000 W
Output 2 (A2)	
Switch-off delay:	0 ... 240 s (60 s)
Ohmic:	3000 W
Capacitive:	16 A / 140 μ F
Motors:	1380 VA
HV halogen lamps:	2500 W

Electronic transformers with LV halogen lamps:	1500 W
Inductive transformers with LV halogen lamps:	1200 VA
HV LED lamps:	typical 400 W
Reduction of load	
for every 5 °C exceeded 25 °C:	–10 %
for installation into wooden or hollow walls:	–15 %
for installation into multiple combinations:	–20 %