

# KNSG 300 Emergency-Light Unit

The KNSG 300 emergency-light unit is specifically engineered for the lift requirements from EN81. This new generation of emergency-light units has enhanced performance features once again. For instance, its flexible area of application ranges from 6, 12 up to 24 V of emergency-light voltage and an automatic daily battery test.



## Superior Design and Execution

- Easy to integrate into any relay or microprocessor control system
- Output voltage 6 V / 12 V / 24 V battery capacity
- Automatic daily battery test
- Extremely compact design with a DIN housing for saving space / w · h · d / 72 x 120 x 55 mm
- Snap action for a 35 mm top-hat rail in accordance with DIN 46277
- Pluggable terminals
- Fast-change battery / storage battery device
- Battery voltage and/or capacity can be modularly upgraded
- Separate power supply for level indicator and horn
- Light voltage monitoring with the output to the connection on the control system
- No-delay switch-over to emergency power operation with power failure
- Minimum internal power consumption with emergency power mode
- Storage batteries protected against exhaustive discharge
- Output voltage 6 V / battery capacity 2.2 - 4.8 Ah
- Output voltage 12 V / battery capacity 1.2 -2.4 Ah
- Output voltage 24 V / battery capacity 1.2 -2.4 Ah
- LED displays for emergency power operation / charging mode / battery fault
- 2 indicator outputs Fault / 230 V Monitoring short-circuit proof
- Approved for electromagnetic compatibility
- Delivery from the warehouse

## Functional Equipment

We not only added the modified hands-on structural shape but also another LED display as an essential feature of the new KNSG 300 that supplies the following information to the user:

1. Charging mode is indicated if the battery is in good working order (red Battery Fault LED is not illuminated)

2. Any fault in the battery due to age or too frequent charging/discharging cycles and resulting loss of capacity is indicated by a red LED to let you know to replace the battery.

The 1 or 2 Ah capacity storage batteries used were retained because they have proven their worth in years of hands-on

practice. You can also double this capacity by adding storage batteries wherever needed. Guaranteed emergency-light operation > 1 hour at 5 W. The emergency light turns itself off when it reaches the end-point voltage to protect against exhaustive discharge.

## Protective Features

- Input for the emergency-light unit: protected against voltage peaks from the system
- Output for the battery: protected against overload and polarity reversal
- Output for the emergency light: protected against overload and short-circuiting
- Output for the alarm: protected against short-circuiting and induction peaks of the alarm bells

## Terminals

