

# LP-STAR emergency lighting power supply in a compact design

## Components and options

CEAG 3-PM Voltage monitoring module



### CEAG 3-PM Voltage monitoring module

To avoid risks from mains failures, it is necessary to permanently monitor the function of the mains lighting light distributors in order to switch on the safety lighting in the event of a fault. Thus the CEAG 3-PM modules are an important part of the safety system.

If one phase fails, the CEAG 3-PM module switches a relay contact and interrupts the 24 V current loop to the emergency lighting units. All emergency luminaires in stand-by circuit are switched to continuous light. A second relay contact is used to signal the power failure.

- No E30 wiring due to short circuit and interruption tolerant 24V current loop technology.
- Test button for mains/emergency light failure thus no interruption of the mains voltage necessary and thus no failures of the operational processes.

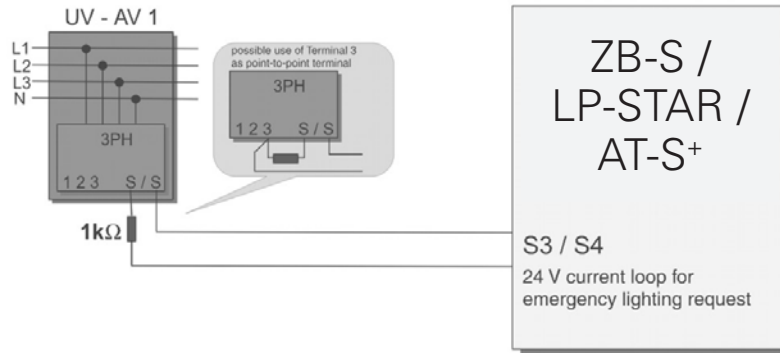
Dimensions mm (H x W x D)	85 x 52.5 x 65, 3 subunits
Enclosure	Plastic, light grey
Connection terminals	2.5 mm <sup>2</sup> rigid and flexible
Type of mounting	DIN mounting rail
Contact	0.5 A/24 V AC/DC, 1 x open contact, 1 x changeover contact
Trigger threshold	$U < 85 \% U_N$

### Ordering details

Type	Scope of supply	Order No.
CEAG 3-PM Modul with Test-Taster	Module ready for mounting	40071361660

### Current loop

24 V current loop for emergency lighting request using differential loop monitoring for short-circuit and open circuit detection.



Differential monitoring:

A short or open circuit causes the system to energise immediately (maintained light).

Phase monitor switch closed (1 kΩ):

Normal system mode