

The CUK LED IK emergency lighting combo driver operates LED modules with power ratings of min. 2W to max. 20W in mains operation. The LED voltage ranges from 20 to max. 57 V. During emergency mode, there is a constant LED output power. The emergency operation and self-test functions comply with the standards IEC 61347-2-7 and IEC 62034 respectively. The short and space-saving metal housing may be installed in a variety of protection class I emergency and safety luminaires along with the equally very compact LFP batteries. Battery regeneration for capacity optimisation is initiated automatically immediately after initial commissioning and each time the battery is replaced. Optional DALI monitoring.

Technical specifications

Mains voltage range:	220 – 240 V 50 / 60 Hz	Functionality test:	weekly 2 min.
Output voltage range:	20-57 V	Duration test:	4 discharges annually
LED voltage SELV:	33 V	Battery charging time:	24 h
Output power in emergency mode:	2,4 W ±15 %	Protection classes:	I
Power consumption:	max. 25 W / 35 VA	Protection type:	IP20
Switchover time mains to emergency:	< 0,5 s	Weight:	127 g

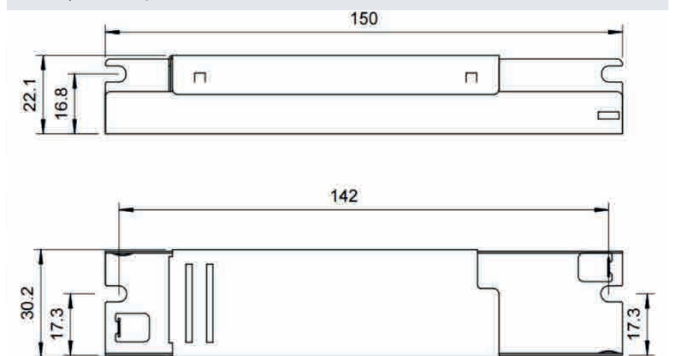
Article

CUK LED IK FDS 57V 1h Art. Nr. 30277209

Properties

- Self-contained emergency lighting combo driver for LED exit signs and emergency luminaires
- Maintained and non-maintained operation
- Selftest conforming to IEC 62034
- Optional bus communication available (DALI)
- Automatic battery regeneration
- Use in luminaires with LED arrays from 20 to 57 V
- Bi-colour LED status display
- LED current values in mains operation 120...350 mA within the maximum output power of 20W
- Constant power output in emergency mode
- Automatic recognition of LED array
- Deep discharge protection
- Emergency duration 1 h

Description	Amount	Art. Nr.
Battery LiFePO ₄ 3,2V 3Ah 9,6Wh	1x	33275802
Battery End Cap	2x	3243100



Selftest

- Selftest conforming to IEC 62034
- Bi-colour LED status display
- Battery status
- LED module status
- Charging cycle



LED green: System fault free



LED red blinking: Mains available with battery not connected or faulty battery



LED red intermittend blinking: Light defect or not connected



LED off: Mains fault, Mains under 160 V, Battery fully discharged or faulty emergency unit

Product liability:

The requirements of the standard EN60598-1 regarding safety must be met after installation of the device in the luminaire. The responsibility for compliance with this standard lies with the user of the device. In the event of non-compliance with this standard or incorrect selection of the device versions, the manufacturer declines all liability.

The manufacturer accepts no liability for direct, indirect or incidental damage that does not arise from the proper use expressly approved by the manufacturer. Nor shall the manufacturer be liable for any claims by third parties not arising from the proper use expressly authorised by the manufacturer. The devices must not be opened or modified in any way. The emergency luminaires' components may only be replaced with original spare parts.

Important: When using the devices in conjunction with LED arrays, ESD protection must be ensured. The manufacturer accepts no liability for electrostatic damage.

The warranty for rechargeable batteries is only guaranteed if original rechargeable batteries are used. This also applies to self-testing devices. If the device shows signs of damage which indicate that safe operation is not possible, the luminaires or devices must not be put into operation. The manufacturer reserves the right to change figures, weights, dimension tables or other such information in the data sheet or in the operating

Batteries

- High-temperature cells 5 to 50 °C
- LiFePO₄ batteries
- 18650 cells
- Charging time 24 h
- 4 years expected life duration
- 12 months warranty
- Battery regeneration for capacity optimisation

Safety

- Protection class I
- Protection type IP20
- SELV

Standards

- EN 60598-2-22
- EN 61347-2-7
- EN 61347-2-13
- EN 62386
- EN 62034
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- Suitable for systems conforming to: VDE 0108 or EN 50172

Certification marks

- CE
- EN 62620 (LFP battery performance)
- EN 62133 (LFP battery safety)