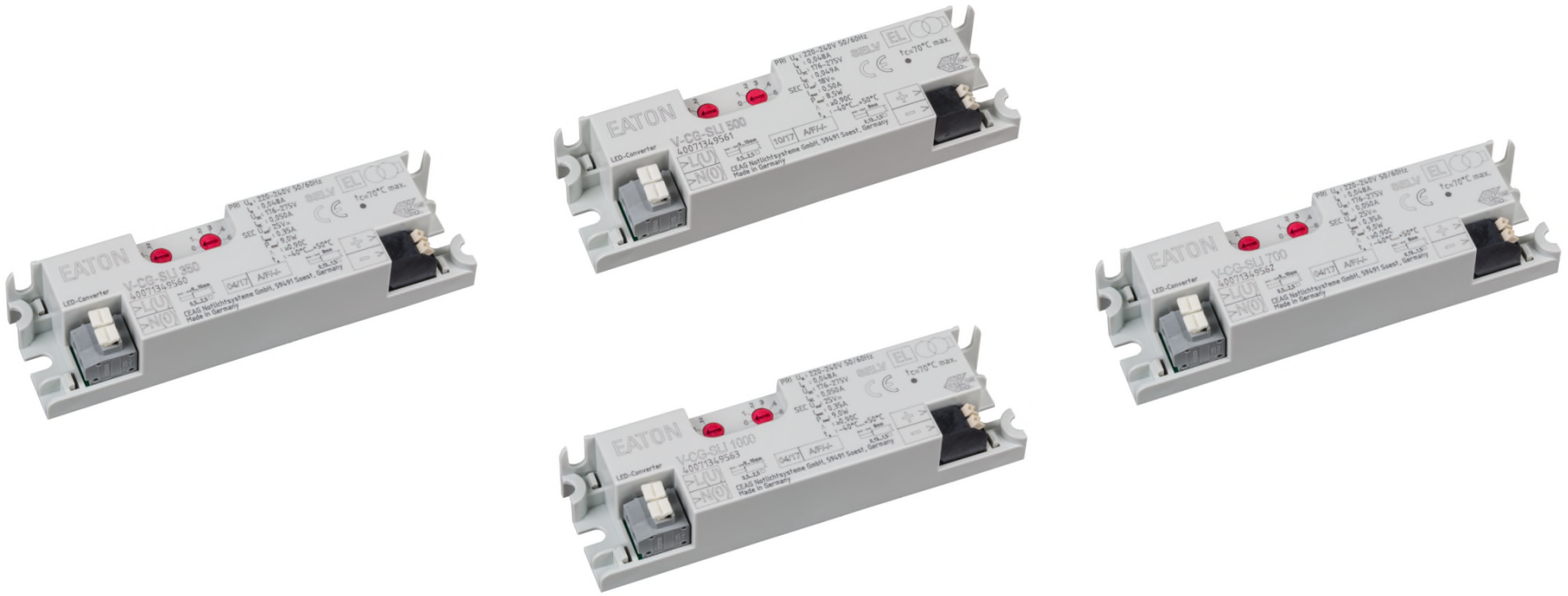


V-CG-SLI
LED Supply and Monitoring – Modules

Life Safety Solutions Platform
Product Line CPS EL

Powering Business Worldwide

V-CG-SLI: Cold Store Module

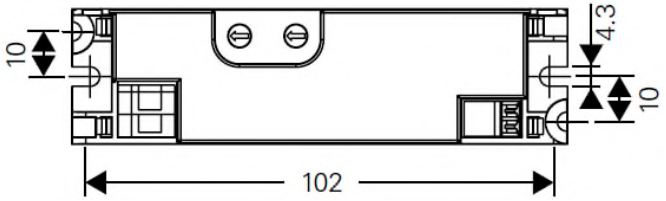
Naming

- Name: **SLI** for

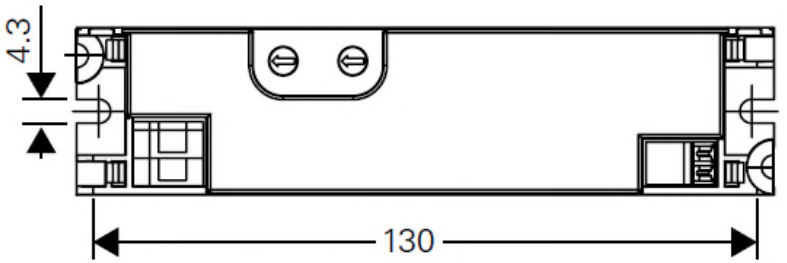
  '**S**ingle **L**ED monitoring **I**ntelligence'

Value Proposition

- Conformity to future norms
- Expanded temperature range: **-40°C to +50°C**
- Maximum Power: 8.75W (SLI 350)
- Monitoring of **individual** LEDs possible for up to **8 LEDs** (V-CG-SLI 350)
- Module will be used in existing Atlantic to create a specialist '***Cold Store Range***' (new part numbers)
- Same size as SLS: more possibilities



V-CG-SLI



Existing V-CG-SLU

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V-CG-SLI: Cold Store Module

4 Versions

- V-CG-SLI 350
  - 350 mA output current, 1-8 LEDs, 25V, 8,75W
- V-CG-SLI 500
  - 500 mA output current, 1-5 LEDs, 17V, 8,50W
- V-CG-SLI 700
  - 700 mA output current, 1-3 LEDs, 11,5V, 8,05W
- V-CG-SLI 1000
  - 1000 mA output current, 1 LEDs, 8V, 6,50W
  - 800 mA output current, 2 LEDs, 8V, 6,50W

V-CG-SLI: Cold Store Module

Technische Daten /
Technical Data

Max. Leitungslänge (Modul-LED) Max. line length (Module-LED)	0,5 m
Montageart Type of mounting	Zum Einbau in Leuchten der Schutz-klasse I o. II to be mounted in luminaires with protection category I or II
Schutzart / Degree of protection	IP20
zulässige Umgebungstemperatur t_a permissible temperature range t_a	-40° C ... +50° C
Testpunkttemperatur Permissible test point temperature t_c	tc: 70° C
Abmessungen (LxBxH) Dimensions (LxHxW)	110 x 30 x 21 mm
Gehäusematerial Enclosure material	Flammwidriges Polykarbonat / grau Flame retardant polycarbonate/grey
Gewicht/Weight	0,042 kg
Mittlere Lebensdauer Average design life	50.000 h (bei ta/tc max. und einer Fehlerrate von ≤ 0,2 % pro 1.000 h) (t_a/t_c max. and a failure rate of ≤ 0,2 % pro 1,000h)
EBLF (Emergency Ballast Lumen Factor)	100 %
Lampenstart/Lamp start	≤ 500 ms

V-CG-SLI: Cold Store Module

Primärseite / Primary side

Anschlussspannung Supply voltage		220-240V, 50/60 Hz 176- 275V DC
Standby Verlustleistung bei Standby power losses for 230V/50Hz		< 0,5W
Stromaufnahme Current input (220 V DC)	V-CG-SLI350 V-CG-SLI500 V-CG-SLI700 V-CG-SLI1000	43 mA 43 mA 43 mA 38 mA
Leistungsaufnahme Power input		V-CG-SLI350: 11,6 VA / 10,7 W V-CG-SLI500: 11,5 VA / 11,3 W V-CG-SLI700: 10,9 VA / 9,5 W V-CG-SLI1000: 9,5 VA / 7,8W
Leistungsfaktor Power factor λ		V-CG-SLI350: 0,9 V-CG-SLI500: 0,9 V-CG-SLI700: 0,88 V-CG-SLI1000: 0,8
Einschaltstoßstrom/Inrush current		≤3A
Betriebsfrequenz Operating frequency		30 KHz - 450 KHz
Anschlussklemmen Connecting terminals		Steckklemmen 2,5 mm² / verpolungssicher Plug-in terminals 2,5 mm² / reverse polarity protected

Sekundärseite / Secondary side

Ausgangsstrom Output current	V-CG-SLI350: 350 mA V-CG-SLI500: 500 mA V-CG-SLI700: 700 mA V-CG-SLI1000: 1000 mA (1 LED) / 880 mA (2 LEDs)
Anschließbare Last (Reihenschaltung) Lamp load (series connection)	V-CG-SLI350: 1-8 LEDs; 25 V V-CG-SLI500: 1-5 LEDs; 16,5 V V-CG-SLI700: 1-3 LEDs; 11,0 V V-CG-SLI1000: 1-2 LEDs; 8,0 V
Ausgangsleistung Output power	V-CG-SLI350: 8,75 W V-CG-SLI500: 8,50 W V-CG-SLI700: 8,05 W V-CG-SLI1000: 7,04 W
Anschlussklemmen Connecting terminals	Steckklemmen 1,5 mm² / nicht verpolungssicher 1,5 mm² / not reverse-polarity protected

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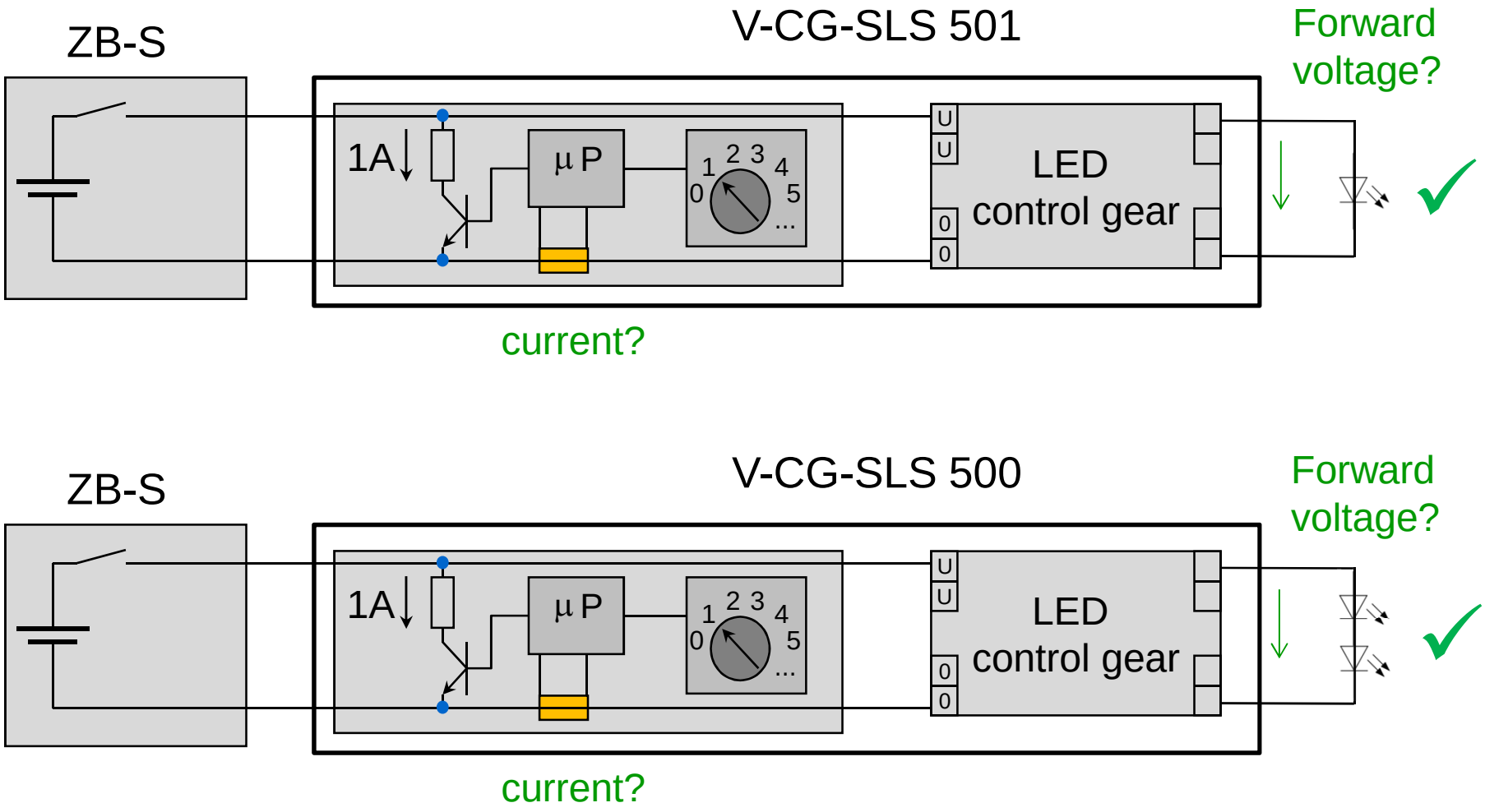
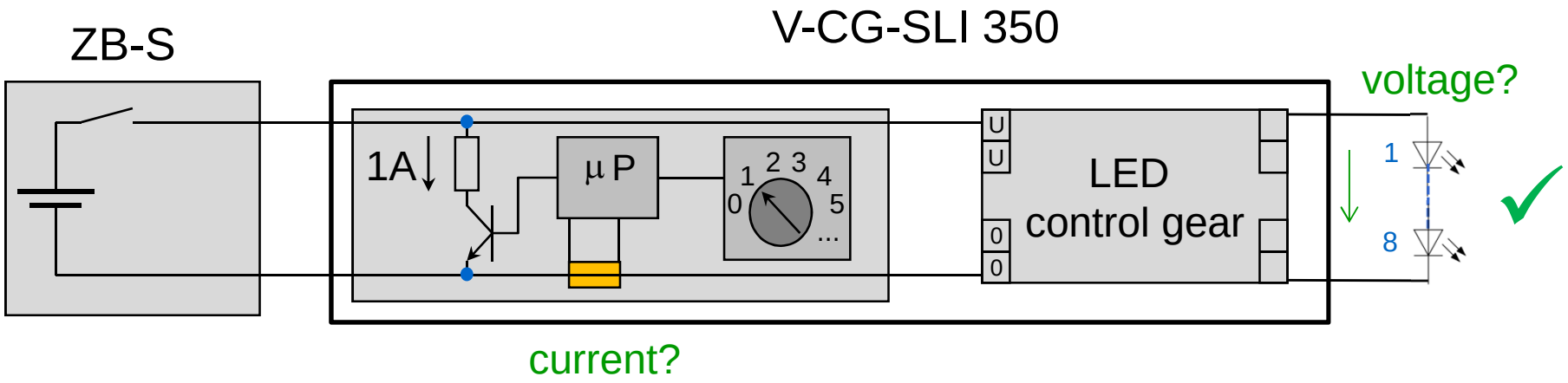
Current monitoring with V-CG-SLS



Monitoring with V-CG-SLI



Error Detection

In case of
- short circuit (output voltage < 2 V)
- overload
- surge (output voltage > 28V)

the secondary side will be switched off and checked every 5 s to ascertain whether the error has been repaired

In case of
- the output voltage being too low compared to the initial voltage (U < U0 - 2,5 V)
- the current being too low (< 90% rated current)

Attention will be drawn to the error by a flashing sequence.

A notification will be sent to the emergency lighting system via CG-Technology in case of any error.

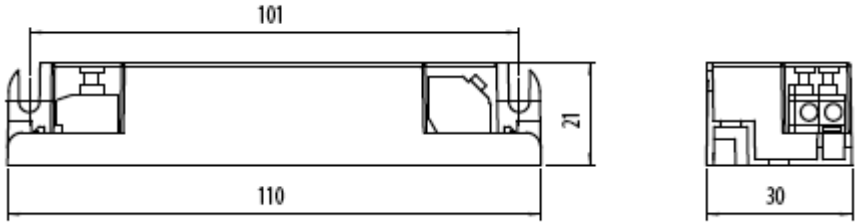
Monitoring with V-CG-SLI

Initialization
If a module is to be used with a new light source, it must first be re-initialized. To achieve this, switch the address switch to 0|0. The initialization will begin 5 s after establishing voltage. This will be displayed via a flashing sequence. After the flashing sequence has stopped set the required address or for the unmonitored modules set to the address 2 | 2.

CG-Überwachung / CG-monitoring

	Output voltage range	Output current		
		n. OK	OK	n. OK
V-CG-SLI-350	2.0 … 25.0 V	0 … 315 mA	315 mA … 385 mA	> 385 mA
V-CG-SLI-500	2.0 … 17.0 V	0 … 450 mA	450 mA … 550 mA	> 550 mA
V-CG-SLI-700	2.0 … 11.5 V	0 … 630 mA	630 mA … 770 mA	> 770 mA
V-CG-SLI-1000	2.0 … 8.0 V	0 … 792 mA	792 mA … 1050 mA	> 1050 mA

Maßbild / Dimensions

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