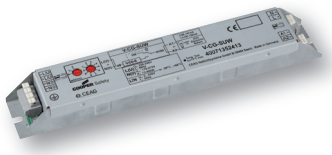
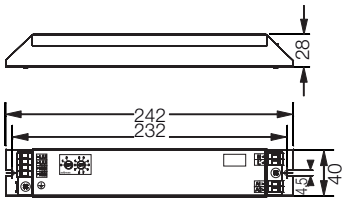
V-CG-SUW
Monitoring module with change over unit



- **Avoidance of installation failures due to a mains connection being protected against polarity reversal.**
- **Universal monitoring modules for loads 13 – 400 W.**
- **Shortened inspection effort due to the CEWA GUARD Technology.**
  Automatic function monitoring of up to 20 luminaires per circuit.
- **Reduced installation costs due to STAR-Technology.**
  Freely programmable mixed operation of the switching modes per luminaire in one circuit.
- **Reduced installation expenditures as no additional data line to the luminaires is needed.**
- **Enlarged ambient temperature range.**
- **Integrated change over unit for parallel connection of an external power source.**

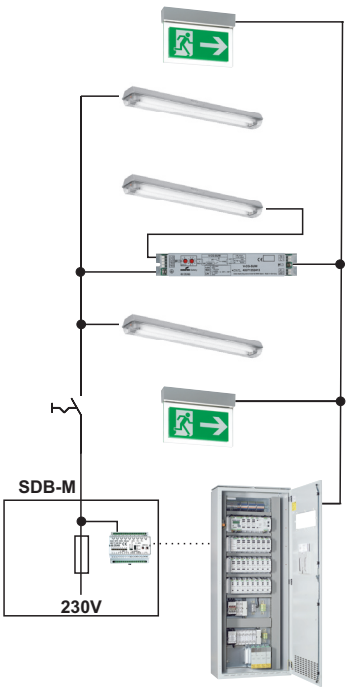
Dimensions (mm)



Voltage	220 - 240 V, 50/60 Hz / 176 - 275 V DC
Standby power loss	< 0.8 W (230 V / 50 Hz)
Power input	13 W - 400 W (fluorescent lamp with LCG, tungsten halogen lamp with electronic transformer or incandescent lamp)
Max. inrush current	80 A/ms
Maximum line length	500 m (module – luminaires)
Type of mounting	to be mounted in luminaires with protection category I
Degree of protection	IP 20
Permissible temperature range	ta = -20 °C up to +60 °C
Maximal permissible test point temperature	tc = 75 °C
Connection terminals	Plug-in terminals 2.5 mm² / reverse-polarity protected
Dimensions in mm (H x L x W)	28 x 242 x 40
Enclosure material / colour	Sheet steel / white
Weight	0.14 kg
Control input	0 - 240 V, 50 Hz

Ordering details

Scope of supply	Order No.
V-CG-SUW	400 71 352 443



Function

L(U) / N(0)	Adress	STAR command	L´/ N	A1 / A2
0 V	0 - 20	-	0 / 240V AC	wie L´/ N
230 V AC	0 - 20	-	0 / 240V AC	230 V AC
230 V AC	1 - 20	AUS / OFF	0 / 240V AC	wie L´/ N
230 V AC	1 - 20	EIN / ON	0 / 240V AC	230 V AC
230 V AC	1 - 20	Notbetrieb/Emergency	0 / 240V AC	230 V AC
220 V DC	0 - 20	-	0 / 240V AC	220 V DC

STAR command:
STAR command of the system to a V-CG-SUW with a defined address

Attention! The following parameter must be observed.

I_{OK}	$\hat{I}_{n.OK*}$
> 47 mA	< 28 mA

* If the lamp is faulty the charging rate of the EVG must be smaller than $\hat{I}_{n.OK*}$.

For the use of standard EVGs make sure that a correct function of the EVG is guaranteed as well in the voltage range of 186 to 275 V. We recommend to obtain a corresponding certificate of the manufacturer.

The disconnection of the EVGs in case of lamp failure after the switch to emergency mode (DC) must occur within 1.8 seconds.