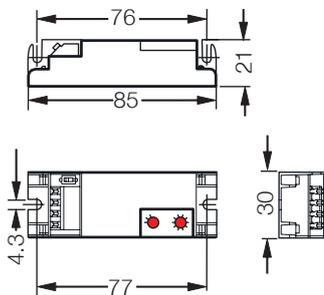


V-CG-S 4 – 400 W Monitoring module



- Low operating costs due to decreased standby losses < 0.5 W.
- Minimized dimensions on the basis of conventional T5 EVG cross section (H x B: 21 x 30 mm) for an eased mounting in narrow luminaires.
- Without protective conductor connection. For the use in luminaires with insulation class I or II.
- Variable mounting possibilities for different mounting positions (horizontal or sidewise upright).
- Avoidance of installation failures due to a mains connection being protected against polarity reversal.
- Universal monitoring module for loads 4 – 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

Dimensions in mm



Voltage	220 - 240 V, 50/60 Hz / 176 - 275 V DC
Standby power loss	< 0.5 W (230 V / 50 Hz)
Power input	4 W-400 W (fluorescent lamp with EVG, tungsten halogen lamp with electronic transformer or incandescent lamp)
Maximum line length	500 m (module - luminaire)
Type of mounting	to be mounted in luminaires with protection category I or II
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 1.5 mm ² / reserve-polarity protected
Dimensions in mm (H x L x W)	21 x 85 x 30
Enclosure material / colour	flame retardant polycarbonate / grey
Weight	0,035 kg

Ordering details

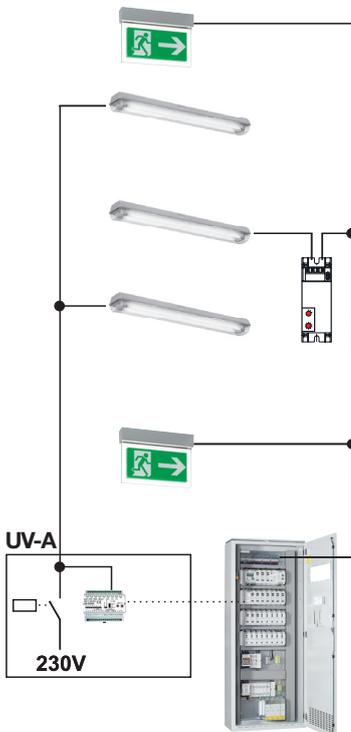
Scope of supply	Order No.
V-CG-S 4-400 W	400 71 352 439

Attention! The following parameter must be observed.

sliding-switch	I_{OK}	$\hat{I}_{n,OK}$	* If the lamp is faulty the charging rate of the EVG must be smaller than $\hat{I}_{n,OK}$.
ON	> 47 mA	< 28 mA	
OFF	> 16 mA	< 10 mA	

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.



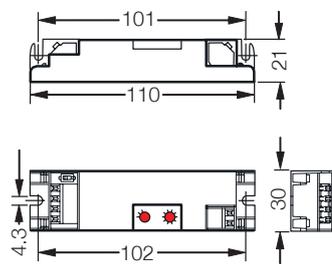
V-CG-SK 4 – 400 W

Monitoring module with control input



- Low operating costs due to decreased standby losses < 0.5 W.
- Minimized dimensions on the basis of conventional T5 EVG cross section (H x W: 21 x 30 mm) for an eased mounting in narrow luminaires.
- Without protective conductor connection. For the use in luminaires with insulation class I or II.
- Variable mounting possibilities for different mounting positions (horizontal or sidewise upright).
- Avoidance of installation failures due to a mains connection being protected against polarity reversal.
- Universal monitoring modules for loads 4 – 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
- Separate control input for a parallel switching on-site with positive or inverted logic.

Dimensions in mm



Voltage	220 - 240 V, 50/60 Hz / 176 - 275 V DC
Standby power loss	< 0.5 W (230 V / 50 Hz)
Power input	4 W - 400 W (fluorescent lamp with EVG, tungsten halogen lamp with electronic transformer or incandescent lamp)
Maximum line length	500 m (module – luminaires)
Type of mounting	to be mounted in luminaires with protection category I or II
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 1.5 mm ² / reverse-polarity protected
Dimensions in mm (H x L x W)	21 x 110 x 30
Enclosure material / colour	flame retardant polycarbonate / grey
Weight	0.040 kg
Control input	220 - 240 V, 50 Hz (switching threshold acc. EN 60598-2-22)

Ordering details

Scope of supply	Order-Nr.
V-CG-SK 4-400 W	400 71 352 441

Function A = L'N (positive logic)

L(U) / N(0)	Address	STAR Befehl / command	L' / N	A1 / A2
0 V	1 - 20	-	0 / 230V AC	0 V
230 V AC	1 - 20	OFF	0 V	0 V
230 V AC	1 - 20	OFF	230 V AC	230 V AC
230 V AC	1 - 20	ON	0 / 230 V AC	230 V AC
230 V AC	1 - 20	Emergency mode	0 / 230 V AC	230 V AC
220 V DC	0 - 20	-	0 / 230 V AC	220 V DC

Function A ≠ L'N (inverted logic)

L(U) / N(0)	Address	STAR Befehl / command	L' / N	A1 / A2
0 V	1 - 20	-	0 / 230V AC	0 V
230 V AC	1 - 20	OFF	0 V	230 V AC
230 V AC	1 - 20	OFF	230 V AC	0 V
230 V AC	1 - 20	ON	0 / 230 V AC	230 V AC
230 V AC	1 - 20	Emergency mode	0 / 230 V AC	230 V AC
220 V DC	0 - 20	-	0 / 230 V AC	220 V DC

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

