

**Constant Voltage & Dimmable Driver**

**Model: CV25W24CG Triac**

| Model | Item Code | Output current range | Input Current | Output Power Range | PF | Efficiency | Output Voltage | No load Watt |
|---|---|---|---|---|---|---|---|---|
| CV25W24CG Triac | 130221 | 0.1-1.04A | 0.16A | 2.4-25W | 0.95 | 85% | 24V | <1W |

*** Test result @230V, 50Hz, Full Load.**

## 1.Parameters

| Category | Item | Technical Norm |
|---|---|---|
| Features | Output Type | Constant Voltage |
| | Dimming Type | Phase dimming |
| | Dimming Range | 10%-100% |
| | IP Grade | IP20 |
| | Insulation Class | Class Ⅱ |
| Input | Rated Input Voltage | 220-240VAC |
| | Range of Input Voltage | 198-264VAC |
| | Frequency | 50/60Hz |
| | Input Current | ≤0.16A (198VAC，full load) |
| | Input Power | ≤29W (230VAC，full load) |
| | Power Factor | ≥0.95 (230VAC，full load) |
| | THD | ≤20% (230VAC，full load) |
| | No-load Power Consumption | ≤1W @230VAC |
| | Inrush Current | 5A&500us(Cold start) |
| | Connected quantity of 16A Breaker ： | 16pcs/type B ; 26pcs/type C @ 230Vac |
| Output | Output Voltage | 24V |
| | Output Current | 100-1040mA |
| | Max. Output Power | 25W |
| | Efficiency | ≥85% (230VAC，full load) |
| | Ripple & Noise (Max) | 900mVp-p |
| | Current Accuracy | ±5% |
| | Started Delay Time | ≤0.5S (230VAC，full load) |
| Protection | Short Circuit Protection | Auto Recovery |
| | Overload Protection | Auto Recovery |
| | No-load Protection | Auto Recovery |
| | Ta/Operation Temperature | -25….+50℃ |

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| | | |
|---|---|---|
| Environment | Ts/Storage Temperature | -20….+70℃ |
| | Tc/Enclosure Temperature | 70 ℃ |
| | Humidity | 5%....85%RH |
| | Atmosphere | 86-108KPa |
| | Connection Method | Push-in Terminal |
| Construction | Installation | Independent |
| | PRI Wire preparation | 0.5-0.75mm² |
| | SEC Wire preparation | 0.5-0.75mm² |
| | Dimension | Independent:128*52*30mm (L*W*H) |
| | Certification | complied to CE |
| Standards | Safety Standards | EN61347-1:2015,EN61347-2-13:2014/A1:2017, EN62493:2015 |
| | EMC Standards | EN55015:2013/A1:2015,EN61000-3-2:2014,EN61000-3-3:2013,EN61547:2009 |
| | Surge | L-N/1KV |
| | RoHS | complied to 2011/65/EU |
| Others | Life Time | 50000h @Ta / Tc |
| | Warranty | 5years ， F.R. < 10000ppm |

Remark: 1.Specific instructions are not all parameters are not connect dimmer input voltage 230 vac / 50 Hz and 25 ℃ ambient temperature measured.

2.LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

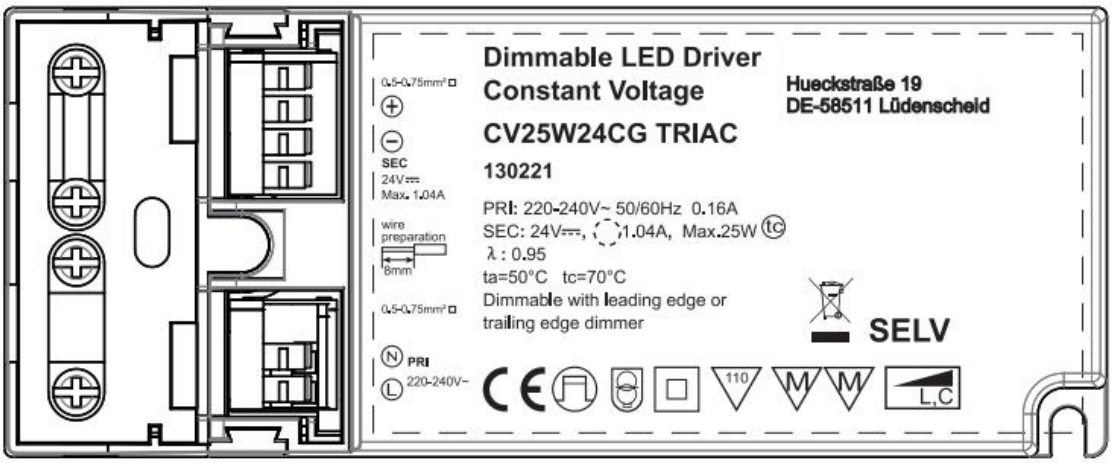
3.Trailing edge dimmable.

## 2.Trailing Edge Dimmer list approved by KGP

| Dimmer | Trade mark | Load type | Ratings | |
|---|---|---|---|---|
| C-Bus L5504D2U | Clipsal | L,C | 220-240V 50-60Hz | Universal |
| D350S | AcTEC | R,L | 220-240V~50/60Hz 10-350W/VA | Trailing |
| Cat 400T | HPM | | 230-240Vac 50Hz 10-400W | Trailing |
| 32E450T | Clipsal | | 220-240V a.c. 50Hz 10-450W | Trailing |
| 315GLE | ELKO | | 230VAC 50Hz 40-315W | Trailing |
| 6513U-102 | Busch(ENST0) | R,C | 230V 50Hz 420W/VA | Trailing |
| SBD315RC | Schneider | R,C | 230V~ 50Hz 20-315VA | Trailing |
| MCU Te250 | OSRAM | | AC220-240V 50Hz 20-250W | Trailing |
| AB300 | OmniTronix | | 230/240V 50Hz 10-300W | Trailing |

***Leading Edge Dimmer list only on request -/ or confirmed by KGP Electronics***

## 3.Label




## 4.Packing information

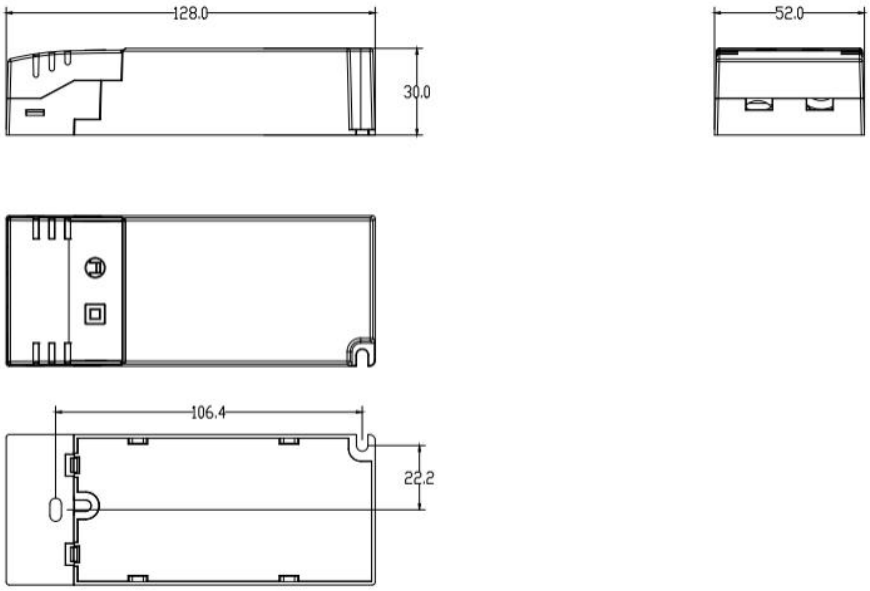
| Carton L*W*H(mm) | Pcs/Carton | Net weight/ Pcs(kg) | Net weight/ Carton(kg) | Gross weight / Carton(kg) |
|---|---|---|---|---|
| 285*285*380 | 100 | 0.108 | 10.8 | 12.3 |

## 5.Ordering data

| Model No | Item code |
|---|---|
| CV25W24CG Triac | 130221 |

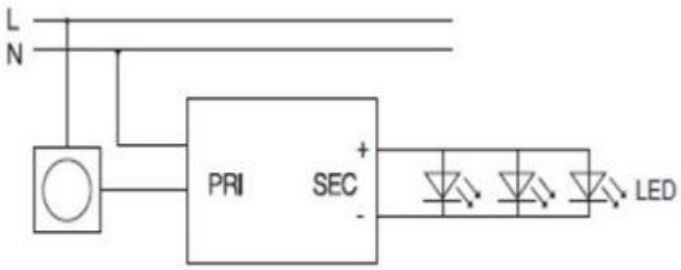
## 6.Dimension （Unit：mm）

**L x W x H ：128x52x30**



## 7.Wiring Diagram

Push Wire connection：0.75-2.5mm²




## 8.Revision history

| Date | Version | Remark |
|---|---|---|
| 2023-06-27 | V1.0 | Initial release. |
| 2024-10-29 | V2.0 | Font & format adjustment |
| 2025-08-04 | V3.0 | Add item code |