

## PRODUCT DATASHEET OT 130/220...240/24 P

CV Power supplies 24 V | CV Power supplies 24 V



### Areas of application

- Facades, public squares, cruise ships
- Signage
- Suitable for indoor and outdoor installations

### Product benefits

- Large range of products from 20 W to 250 W
- Installation in very cold and hot environments
- Very stable output power
- High electronical reversible short-circuit, overload, overtemperature protection
- Smart Power Supply: boosting power to turn on cold LEDs
- Independent installation possible

### Product features

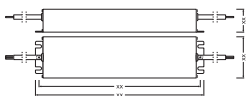
- DC mode functionality
- Type of protection: IP66 and IP67
- Surge protection: up to 4 kV (L-N) / 6 kV (L/N-PE)
- Wide operating temperature range: -30...+55 °C
- Lifetime: up to 50,000 h (temperature at max.  $t_c$ )

TECHNICAL DATA

Electrical data

|                                          |             |
|------------------------------------------|-------------|
| Nominal wattage                          | 140.00 W    |
| Nominal output power                     | 130 W       |
| Nominal voltage                          | 220...240 V |
| Nominal output voltage                   | 24.2 V      |
| Input voltage AC                         | 198...264 V |
| Input voltage DC                         | 176...250 V |
| Inrush current                           | 60 A        |
| Mains frequency                          | 0/60 Hz     |
| Total harmonic distortion                | < 15 %      |
| Power factor $\lambda$                   | 0.95        |
| ECG efficiency                           | 90.5 %      |
| Device power loss                        | 14.7 W      |
| Max. ECG no. on circuit breaker 10 A (B) | 8           |
| Max. ECG no. on circuit breaker 16 A (B) | 13          |
| Max. ECG no. on circuit breaker 25 A (B) | 20          |
| Surge capability (L/N-Ground)            | 6 kV        |
| Surge capability (L-N)                   | 4 kV        |
| Galvanic isolation                       | SELV        |

Dimensions & Weight



|                                      |                   |
|--------------------------------------|-------------------|
| Length                               | 220.00 mm         |
| Mounting hole spacing, length        | 207 mm            |
| Width                                | 63.00 mm          |
| Height                               | 37.00 mm          |
| Cable cross-section, input side      | 1 mm <sup>2</sup> |
| Cable cross-section, output side     | 1 mm <sup>2</sup> |
| Wire preparation length, input side  | 90 mm             |
| Wire preparation length, output side | 90 mm             |
| Product weight                       | 943.00 g          |

Colors & materials

|                 |       |
|-----------------|-------|
| Casing material | Metal |
| Body material   | Metal |

### Temperatures & operating conditions

|                                          |                        |
|------------------------------------------|------------------------|
| Ambient temperature range                | -30...+55 °C           |
| Maximum temperature at tc test point     | 80 °C                  |
| Max.housing temperature in case of fault | 110 °C                 |
| Permitted rel. humidity during operation | 5...85 % <sup>1)</sup> |

<sup>1)</sup> Maximum 56 days/year at 85 %

### Lifespan

|              |         |
|--------------|---------|
| ECG lifetime | 50000 h |
|--------------|---------|

### Additional product data

|              |     |
|--------------|-----|
| Encapsulated | Yes |
|--------------|-----|

### Capabilities

|                                        |        |
|----------------------------------------|--------|
| Dimmable                               | No     |
| Overheating protection                 | Yes    |
| Overload protection                    | Yes    |
| No-load proof                          | Yes    |
| Short-circuit protection               | Yes    |
| Suitable for fixtures with prot. class | I      |
| Type of connection, output side        | Cables |

### Certificates & Standards

|                           |                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval marks – approval | ENEC / RCM / CCC / EAC                                                                                                                                                 |
| Standards                 | Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384 |
| Protection class          | I                                                                                                                                                                      |
| Type of protection        | IP66/IP67                                                                                                                                                              |

### LOGISTICAL DATA

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -40...+85 °C |
|------------------------------|--------------|

### DOWNLOAD DATA

| Documents and certificates                                                         |                  |
|------------------------------------------------------------------------------------|------------------|
|  | User instruction |

| Documents and certificates                                                       |                               |
|----------------------------------------------------------------------------------|-------------------------------|
|  | Declarations Of Conformity CE |
|  | Certificates                  |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4052899546004 | Folding box<br>1             | 283 mm x 84 mm x 49 mm               | 986.00 g     | 1.16 dm³  |
| 4052899546011 | Shipping box<br>10           | 439 mm x 299 mm x 126 mm             | 10590.00 g   | 16.54 dm³ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.