

ELEMENT 120/220-240/24 G2

ELEMENT G2 | Constant Voltage – Non dimmable



Areas of application

- Decorative lighting in hospitality, restaurants and Shops
- Shelf lighting
- Cove lighting
- Under cabinet lighting

Product family benefits

- High efficiency (up to 86%)
- Higher quality of light thanks to <3% output ripple current
- Excellent price/performance ratio
- Class II design for wide application
- 3 years guarantee

Product family features

- Linear form factor
- Power factor: >0.95 at full load
- Total Harmonic Distortion (THD): <15%
- Output voltage tolerance: < 3%
- Lifetime: up to 30,000 h (temperature at max. t_c)



Technical data

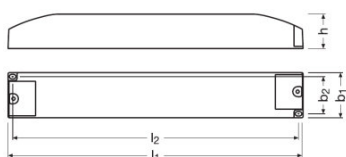
Electrical data

| | |
|--|----------------------|
| Nominal input voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Input voltage AC | 198...264 V |
| Power factor λ | 0.95 |
| ECG efficiency | 89 % |
| Device power loss | 14.8 W ¹⁾ |
| Inrush current | < 32 A ²⁾ |
| Max. ECG no. on circuit breaker 10 A (B) | 5 |
| Max. ECG no. on circuit breaker 10 A (C) | 8 |
| Max. ECG no. on circuit breaker 16 A (B) | 8 |
| Max. ECG no. on circuit breaker 16 A (C) | 12 |
| Max. ECG no. on circuit breaker 25 A (B) | 12 |
| Surge capability (L-N) | 1 kV |
| Nominal output voltage | 24 V |
| Nominal output power | 120 W |
| Galvanic isolation primary/secondary | 3 kV |

¹⁾ At Full load, 230 V, 50 Hz

²⁾ At 520 μ s

Dimensions & weight



| | |
|-------------------------------------|----------------------------|
| Mounting hole spacing, length | 252 mm |
| Product weight | 386.00 g |
| Cable cross-section, input side | 0.75...1.5 mm ² |
| Cable cross-section, output side | 0.75...1.5 mm ² |
| Wire preparation length, input side | 5.0 mm |
| Length | 260.0 mm |

Product datasheet

| | |
|--------|---------|
| Width | 40.0 mm |
| Height | 31.0 mm |

Colors & materials

| | |
|-----------------|---------|
| Casing material | Plastic |
|-----------------|---------|

Temperatures & operating conditions

| | |
|--|------------------------|
| Ambient temperature range | -20...+50 °C |
| Maximum temperature at tc test point | 90 °C |
| Max.housing temperature in case of fault | 110 °C |
| Temperature range at storage | -40...85 °C |
| Permitted rel. humidity during operation | 5...85 % ¹⁾ |

¹⁾ Non-condensing

Lifespan

| | |
|--------------|-----------------------|
| ECG lifetime | 30000 h ¹⁾ |
|--------------|-----------------------|

¹⁾ At maximum T_c / 10% failure rate

Additional product data

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

Capabilities

| | |
|--|--------|
| Dimmable | No |
| Overheating protection | Yes |
| Overload protection | Yes |
| Short-circuit protection | Yes |
| Suitable for fixtures with prot. class | I / II |

Certificates & standards

| | |
|---------------------------|---|
| Approval marks – approval | CE / RCM / CCC / MM |
| Standards | Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to CISPR 15/Acc. to IEC 61000-3-3/Acc. to IEC 61547 |
| Type of protection | IP20 |

Logistical data

| | |
|----------------|--------------|
| Commodity code | 850440829000 |
|----------------|--------------|

Download Data

Product datasheet

File



User instruction
ELEMENT G2 Constant Voltage Power Supply

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899605541 | ELEMENT 120/220-240/24 G2 | Shipping carton box 20 | 454 mm x 279 mm x 123 mm | 15.58 dm ³ | 8470.00 g |

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.