

ELEMENT 55/220...240/1200 CS L

ELEMENT SELV | Linear / Area Constant Current – Non dimmable



Areas of application

- Linear lighting for office, school and public areas
- Suitable for luminaires of protection class I

Product family benefits

- Small housing design
- Flexible current setting (DIPswitch – 4 currents)
- Enhanced safety due to overload, overtemperature, short-circuit protection

Product family features

- Line frequency: 50 Hz | 60 Hz
- Supply voltage: 220...240 V
- Lifetime: up to 50,000 h (temperature at T_c max. = -10 °C, max 10% failure rate)
- SELV driver

Technical data

Electrical data

| | |
|--|---|
| Nominal input voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Input voltage AC | 198...264 V |
| Current set | DipSwitch |
| Power factor λ | 0.98 ¹⁾ |
| ECG efficiency | 89 % ²⁾ |
| Device power loss | 7.0 W ³⁾ |
| Inrush current | 12.5 A ⁴⁾ |
| Max. ECG no. on circuit breaker 10 A (B) | 25 |
| Max. ECG no. on circuit breaker 10 A (C) | 25 |
| Max. ECG no. on circuit breaker 16 A (B) | 40 |
| Max. ECG no. on circuit breaker 16 A (C) | 40 |
| Surge capability (L/N-Ground) | 2 kV |
| Surge capability (L-N) | 1 kV |
| Nominal output voltage | 23...51 V ⁵⁾ |
| Nominal output current | 920 / 1050 / 1075 / 1200 mA ⁶⁾ |
| Output ripple current (100 Hz) | < 30 % |
| Nominal output power | 21...61 W |
| Galvanic isolation | SELV |

1) Full load at 230 V/50 Hz

2) At full load and 230 V / At 50 Hz / Typical

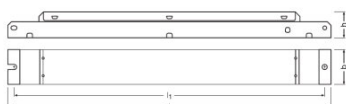
3) At 230 V, Input power 68 W max.

4) $t_{width} = 180 \mu s$ typical, (measured at 50% I_{peak})

5) At 920/1050mA / At 1075/1200mA

6) $\pm 7.5\%$

Dimensions & weight



Product datasheet

| | |
|-------------------------------------|--|
| Mounting hole spacing, length | 200.0 mm |
| Product weight | 145.00 g |
| Cable cross-section, input side | 0.5...1.5 / 0.75...1.5 mm ² ¹⁾ |
| Cable cross-section, output side | 0.5...1.5 / 0.75...1.5 mm ² ¹⁾ |
| Wire preparation length, input side | 7...8 mm |
| Length | 210.0 mm |
| Width | 30.0 mm |
| Height | 21.0 mm |

¹⁾ Solid or flexible leads

Temperatures & operating conditions

| | |
|--|--------------|
| Ambient temperature range | -20...+50 °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 % |

Lifespan

| | |
|--------------|-------------------------------|
| ECG lifetime | 35000 / 50000 h ¹⁾ |
|--------------|-------------------------------|

¹⁾ At maximum $T_c = 80^\circ\text{C}$ / 10% failure rate, At $T_c = 70^\circ\text{C}$ / 10% failure rate

Additional product data

| | |
|--------------|----|
| Encapsulated | No |
|--------------|----|

Capabilities

| | |
|--|----------------------|
| Dimmable | No |
| Overheating protection | Automatic reversible |
| Overload protection | Automatic reversible |
| Short-circuit protection | Automatic reversible |
| No-load proof | Yes |
| Max. cable length to lamp/LED module | 2.0 m |
| Suitable for fixtures with prot. class | I |
| Number of channels | 1 |

Certificates & standards



| | |
|---------------------------|---|
| Approval marks – approval | CCC / CE / RCM / ENEC 05 / KC |
| Standards | Acc. to IEC 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 61547 |
| Type of protection | IP20 |

Product datasheet

Logistical data

| | |
|------------------------------|--------------|
| Temperature range at storage | -40...85 °C |
| Commodity code | 850440829000 |

Download Data

| File | |
|---|--|
|  | Certificates ENEC -55W (EN) |
|  | Declarations of conformity EU Declaration of Conformity 3650277 |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|-----------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899553156 | ELEMENT 55/220...240/1200 CS L | Shipping carton box 20 | 228 mm x 138 mm x 160 mm | 5.03 dm ³ | 3178.00 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.