

ELEMENT 120/220-240/12 G2

ELEMENT G2 12V | Constant Voltage – Non dimmable



Product family features

- Linear form factor
- Power factor: >0.95 at full load
- Total Harmonic Distortion (THD): < 15%
- Output voltage tolerance: < 3%
- Up to 30,000 h @ T_c max / up to 50,000 h @ T_c -10 °C
- Lifetime: up to 30,000 h (temperature at max. t_c)

Product family benefits

- High efficiency (up to 91 %)
- Higher quality of light thanks to < 3% output ripple current
- Excellent price/performance ratio
- Class II design for wide application
- 3 years guarantee

Areas of application

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

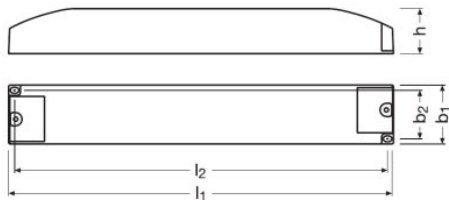
Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Power factor λ	> 0.95
Efficiency in full-load	89 % ¹⁾
Device power loss	14.8 W ²⁾
Inrush current	< 50 A ³⁾
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)	13
Surge capability (L-N)	1 kV
Nominal output voltage	12.5 V
Nominal output power	120 W
Maximum output power	120 W
U-OUT (working voltage)	12.125 V ~ 12.875 V
Surge capability (L/N-Ground)	2 kV

1) at 230 V, 50 Hz
2) At Full load, 230 V, 50 Hz
3) Max, $t_h = 300 \mu s$

Dimensions & weight



Product weight	400.00 g
Cable cross-section, input side	0.75...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²

Product datasheet

Wire preparation length, input side	5.0 mm
Length	260.0 mm
Width	40.0 mm
Height	31.0 mm

Colors & materials

Casing material	Plastic
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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⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	30000 h ¹⁾
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¹⁾ At maximum $T_c = 90^\circ\text{C}$ / 10% failure rate / At maximum $T_c = 80^\circ\text{C}$ / 10% failure rate, At $T_c = 70^\circ\text{C}$ / 10% failure rate

Capabilities

Dimmable	No
Short-circuit protection	Yes
Intended for no-load operation	No
Suitable for fixtures with prot. class	I / II
Number of channels	1

Certificates & standards

Approval marks – approval	BIS / CCC / CE / MM / RCM / UKCA
Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 60598-1/Acc. to EN 62384/Acc. to CISPR 15/Acc. to EN 61000-3-2/IEC 61000-3-2
Type of protection	IP20

Logistical data

Commodity code	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh)

Product datasheet

Date of Declaration	16-05-2023
Primary Article Identifier	4062172277884
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	c4d3c985-889c-4c55-b90c-7df4628caa3d

Download Data

File	
	User instruction ELEMENT G2

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172277884	ELEMENT 120/220-240/12 G2	Shipping carton box 20	421 mm x 285 mm x 105 mm	12.60 dm ³	8546.00 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.