

## ELEMENT 35/220...240/800 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 $\lambda$	0.96 <sup>1)</sup>
ECG efficiency	88 % <sup>2)</sup>
Device power loss	5.24 W <sup>3)</sup>
Inrush current	12.5 A <sup>4)</sup>
Max. ECG no. on circuit breaker 10 A (B)	16
Max. ECG no. on circuit breaker 10 A (C)	30
Max. ECG no. on circuit breaker 16 A (B)	28
Max. ECG no. on circuit breaker 16 A (C)	45
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	23...51 V <sup>5)</sup>
Nominal output current	500 / 600 / 700 / 800 mA <sup>6)</sup>
Output ripple current (100 Hz)	< 30 %
Nominal output power	11.5...40.8 W
Galvanic isolation	SELV

<sup>1)</sup> Full load at 230 V/50 Hz

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

<sup>3)</sup> At 230 V

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

<sup>5)</sup> At 500/600mA / At 700/800mA

<sup>6)</sup>  $\pm 7.5\%$

### Dimensions & weight



## Product datasheet

Mounting hole spacing, length	200.0 mm
Product weight	140.00 g
Cable cross-section, input side	0.5...1.5 / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
Cable cross-section, output side	0.5...1.5 / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
Wire preparation length, input side	7...8 mm
Length	280.0 mm
Width	30.0 mm
Height	21.0 mm

<sup>1)</sup> Solid or flexible leads

### Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 %

### Lifespan

ECG lifetime	35000 / 50000 h <sup>1)</sup>
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<sup>1)</sup> At maximum  $T_c = 75^\circ\text{C}$  / 10% failure rate / At  $T_c = 65^\circ\text{C}$  / 10% failure rate

### Additional product data

Encapsulated	No
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### 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 certificate
	Certificates CCC certificate 35W
	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
405289953132	ELEMENT 35/220...240/800 CS L	Shipping carton box 20	228 mm x 138 mm x 160 mm	5.03 dm <sup>3</sup>	3078.00 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.