

OPS-18012(220-240V)-20

Constant Voltage – Non dimmable



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

Applications

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

Product 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_{max} / up to 50,000 h @ T_{-10 °C}
- Lifetime: up to 30,000 h (temperature at max. t_C)

Electrical Specification

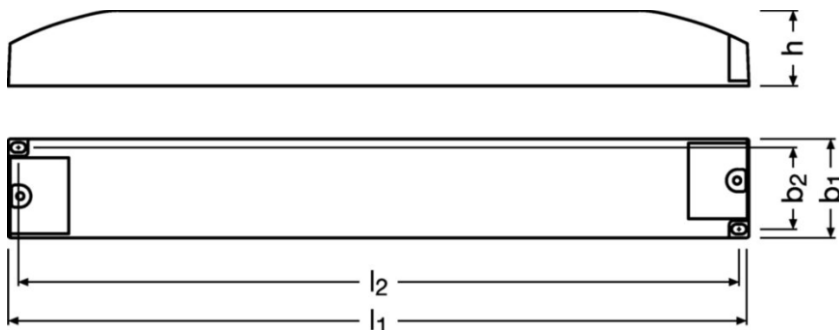
Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Power factor λ	> 0.95
Efficiency in full-load	91 % ¹⁾
Device power loss	17.8 W ²⁾
Inrush current	< 70 A ³⁾
Max. ECG no. on circuit breaker 10 A (B)	3
Max. ECG no. on circuit breaker 16 A (B)	6
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	12.5 V
Nominal output power	180 W
Maximum output power	180 W
Galvanic isolation	SELV

1) at 230 V, 50 Hz

2) At Full load, 230 V, 50 Hz

3) Max, $t_h = 240\mu s$

Dimension & Weight



Length	300.0 mm
Width	40.0 mm
Height	31.0 mm
Cable cross-section, input side	0.75...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	5.0 mm
Product weight	540.00 g

Colors & Materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at t_c 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 / 10% failure rate

Capabilities

Dimmable	No
Max. cable length to lamp/LED module	3.0 m ¹⁾
Suitable for fixtures with prot. class	I / II
Number of channels	1
Short-circuit protection	Yes
Intended for no-load operation	No

1) Output wires must be routed as close as possible to each other

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

Environmental Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	24-05-2024
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