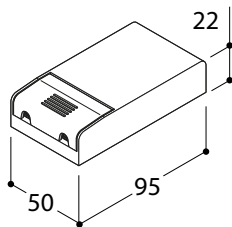


930622: POWERLED CONVERTER 18W - 350mA MAINS DIM LC



ALWAYS DISCONNECT MAINS POWER SUPPLY FROM CONVERTER BEFORE SWITCHING "ON" LED LUMINAIRES TO PREVENT HOT PLUGGING ISSUES

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	80 °C ¹⁾
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-20...80 °C
Permitted rel. humidity during operation	5...85 % ²⁾

¹⁾ Maximum at the T_c-point

²⁾ Non-condensing

Lifespan

ECG lifetime	30000 / 50000 h ¹⁾
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¹⁾ At maximum T_c = 80°C / 10% failure rate / At maximum T_c = 70°C / 10% failure rate

Capabilities

Dimming interface	Phase Cut ¹⁾
Dimming range	5...100 %
Dimming method	Amplitude Modulation
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Intended for no-load operation	No
Max. cable length to lamp/LED module	2.0 m ²⁾
Suitable for fixtures with prot. class	I / II
Type of connection, input side	Push terminal
Type of connection, output side	Push terminal
Suitable for through-wiring	No
Number of channels	1

¹⁾ Leading edge / Trailing edge

²⁾ Output wires must be routed as close as possible to each other

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V ¹⁾
Total harmonic distortion	< 20 % ²⁾
Power factor λ	> 0.95 ³⁾
Efficiency in full-load	> 82 % ⁴⁾
Device power loss	4.0 W ⁵⁾
Protective conductor current	<0.7 mA
Inrush current	< 10 A ⁶⁾
Max. ECG no. on circuit breaker 10 A (B)	33
Max. ECG no. on circuit breaker 10 A (C)	55
Max. ECG no. on circuit breaker 16 A (B)	53
Max. ECG no. on circuit breaker 16 A (C)	88
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	27...40 V ⁷⁾
U-OUT (working voltage)	60 V
Nominal output current	350 mA ⁸⁾
Output current tolerance	±7.5 %
Output ripple current (100 Hz)	< 5 %
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	18 W ⁹⁾
Maximum output power	18 W
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3.75 kV

¹⁾ Permitted voltage range

²⁾ Full load, 230V, 50 Hz

³⁾ Full load at 230 V/Minimum load at 230 V

⁴⁾ at 230 V, 50 Hz

⁵⁾ Maximum

⁶⁾ t_{width} = 100 μs (measured at 50 % I_{peak})

⁷⁾ Maximum 60 V

⁸⁾ ±7.5%

⁹⁾ Partial load 6.1...18W

Certificates & standards

Approval marks – approval	CE / CCC / ENEC / EAC / RCM
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Protection class	I,II
Type of protection	IP20