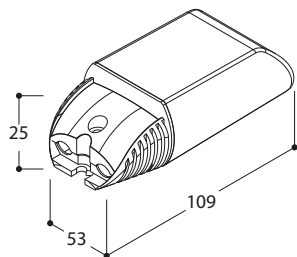


930559: POWERLED CONVERTOR 16W 500 mA MAINS DIMM L/C



Cable cross-section, input side	0.75...1.5 mm ² ¹⁾
Cable cross-section, output side	0.5...1.5 mm ² ¹⁾
Wire preparation length, input side	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 mm

¹⁾ Flexible / Solid leads

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+55 °C
Maximum temperature at tc test point	75 °C ¹⁾
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 %

¹⁾ Maximum at the T_c-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At T_{case} = 70°C at T_c point / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes
Dimming interface	Phase Cut ¹⁾
Dimming range	10...100 %
Dimming method	Amplitude Modulation / Pulse Width Modulation
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 / II
Type of connection, output side	Push terminal

¹⁾ Leading edge / Trailing edge

Certificates & standards

Approval marks – approval	CE / ENEC 10 / VDE / CB
Standards	Acc. to IEC 61347/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	II
Type of protection	IP20

Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ¹⁾
Total harmonic distortion	15 %
Power factor λ	0.95/0.90 ²⁾
ECG efficiency	86 % ³⁾
Device power loss	3.0 W ⁴⁾
Inrush current	5 A ⁵⁾
Max. ECG no. on circuit breaker 10 A (B)	52
Max. ECG no. on circuit breaker 16 A (B)	84
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	1 kV
Surge capability (L-N)	1 kV
Nominal output voltage	18...36 V ⁶⁾
U-OUT (working voltage)	60 V
Nominal output current	500 mA ⁷⁾
Output current tolerance	±10 %
Output ripple current (100 Hz)	< 35 %
Nominal output power	18 W ⁸⁾
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3 kV

¹⁾ Permitted voltage range

²⁾ Full load at 230 V/Minimum load at 230 V

³⁾ At full load and 230 V

⁴⁾ Maximum

⁵⁾ t_{width} = 100 μs (measured at 50 % I_{peak})

⁶⁾ Maximum <48 V

⁷⁾ ±10%

⁸⁾ Partial load 9...18 W



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