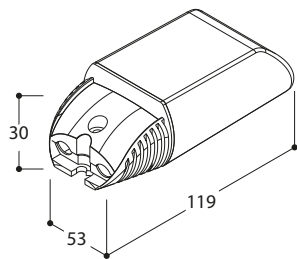


930601: POWERLED REMOTE CONVERTER (13.5W) TOUCH DALI DIM 250mA



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

Cable cross-section, input side	0.2...1.5 mm ² ¹⁾
Cable cross-section, output side	0.2...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⁾ Solid or flexible leads

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	75 °C ¹⁾
Max.housing temperature in case of fault	100 °C
Permitted rel. humidity during operation	5...85 %

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 / 100000 h ¹⁾
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¹⁾ T_c = 75°C, 0.2% / 1,000 h failure rate / T_c = 65°C, 0.1% / 1,000 h failure rate

Additional product data

Encapsulated	No
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Dimming interface	DALI / Touch DIM / Touch DIM Sensor
Dimming range	1...100 %
Dimming method	Amplitude Modulation
Constant lumen function	Programmable
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
Suitable for emergency lighting	Yes
Type of connection, output side	Push terminal

Certificates & standards

Approval marks – approval	ENEC 10 / VDE / EMC / EL / CE
Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384
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⁾
Input voltage DC	176...276 V
Total harmonic distortion	< 10 %
Power factor λ	0.95
ECG efficiency	88 % ²⁾
Device power loss	2.4 W
Power loss in stand-by mode	≤0.27 W
Inrush current	5 A ³⁾
Max. ECG no. on circuit breaker 10 A (B)	80
Max. ECG no. on circuit breaker 16 A (B)	130
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	1 kV
Nominal output voltage	12-54V
U-OUT (working voltage)	60 V
Nominal output current	250mA
Output current tolerance	±3 %
Output ripple current (100 Hz)	< 2 %
Nominal output power	18 W ⁶⁾
Galvanic isolation	SELV

¹⁾ Permitted voltage range

²⁾ Typical / At full load and 230 V

³⁾ t_{width} = 45 µs (measured at 50 % I_{peak})

⁴⁾ Maximum 60 V

⁵⁾ ≈5%

⁶⁾ Partial load 3...18 W

DALI-2 Energy Data	Yes ²⁾
DALI-2 Diagnostic Data	Yes ³⁾

¹⁾ For maximum nominal output current

²⁾ Acc. DALI part 252

³⁾ Acc. DALI part 253