

name	930620 POWERLED CONVERTER 6,5W 500mA IP20 MAINS DIMM RC
	<p>L : 44.3 mm M : 42.8 mm H : 25 mm R : 1.6 mm</p>
watt	6,5W (Vf 9-13Vdc)
input voltage	220-240V-50Hz - AC
output voltage	500mA - DC
ip/class	IP20 - CLASS II
application(convertor)	Interior
dimmbility	MAINS DIMM RC (see dimlist O)
weight	0.1

Item	Value	Remark
Nominal voltage	220-240V	
Nominal frequency	50-60Hz	
AC voltage range	198-264V	
DC voltage range (start)	N/A	
DC voltage range (operation)	N/A	
Nominal current	50mA	
Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
Power factor	0.9C	Full load @230VAC
Displacement factor	0.9C	Full load @230VAC
Efficiency	72%(Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	NA	
Protection class	NA	
Inrush current	9A / 23us	
Earth leakage current	NA	
Nominal voltage range	9-13Vdc	
Maximum voltage	21V	
Nominal current range	500mA	Full load @220~240VAC
Current accuracy	± 5%	Full load @220~240VAC
Typical output LF current ripple	± 5%	Low Frequency<120Hz
SVM	≤ 0.4	Full load @230VAC
PsLM	≤ 1	Full load @230VAC
Nominal power range	4.5-6.5W	
Maximum power	7W	
Dimming control	Trailing Edge	
Dimming technique	Amplitude	
PWM frequency	NA	
Dimming range	10-100%	
Lowest dimming current	2-6%	
Galvanic isolation	NA	
Ambient temperature range t _a	-20°C - +50°C	
Maximum case temperature t _c	80°C	
Max. case temp. in fault condition	110°C	When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C
Storage temperature range	-40°C - +85°C	
Relative humidity	10% - 95%	
Surge transient protection	1 kV	L/N
Environmental rating	Indoor	
IP rating	IP20	
Mains switching cycles	> 100,000	
Expected lifetime	> 50,000 h, t _c 80 °C @ t _a 50 °C > 100000 h, t _c 70 °C @ t _a 40 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate

Cable information

PRI Connection	L	N
Color	Brown	Blue
Wire type	7022	7022
Wire diameter	AWG20	AWG20
Wire length	138mm	138mm
Stripping	6mm	6mm
tolerance	±5mm	±5mm
Sec Connection	+	-
Color	Red	Black
Wire type	1332	1332
Wire diameter	AWG22	AWG22
Wire length	138mm	138mm
Stripping	6mm	6mm
tolerance	±5mm	±5mm

* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Trailing Edge Dimmer list (see dimlist O)

Manufacturer	Model	Q'ty of parallelconnection
Philips	SED-200A	14
Merten/Schneider	SBD315RC	23
Etman	ETM327	23
Etman	ETM329	23

Protections

Short- & open circuit proof, Overload protection

Conformity & Standards

Safety standard: EN 61347-1, EN 61347-2-13, EN 62493

Performance: EN 62384

EMC standard: EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547