

SWITCH TO BRIGHTER FUTURE



Product data sheet: V9 Series

Features

- Super compact design
- Best value for money if application with narrow output voltage range is acceptable
- Driver is suitable for built-in or independent installation
- Push-in wire terminal for easy install of input cable
- Suitable for protection class I and II luminaires
- High power factor
- Low ripple current, flicker-free
- Protections: over load, over-heat, short circuit
- SELV equivalent
- Protection class II
- Nominal life-time up to 50,000 h
- 5-year guarantee

Applications

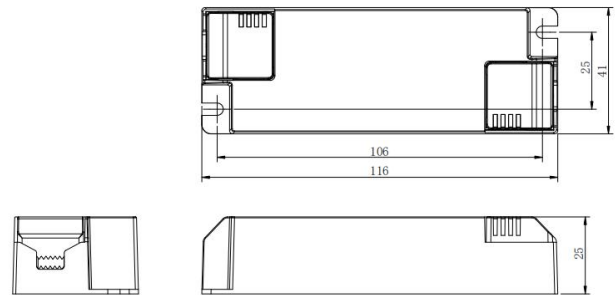
- Office
- Shop
- Hospitality
- Public areas

Approbations & Certifications

CE, ENEC, Nemko, RCM, CCC

Housing properties

- Housing material: plastic, white.
- Type of protection IP20



Electrical Specifications

Type		Unit	V9-25-600	V6-30-700	V9-34-800	V9-36-850	V9-38-900	V9-40-950	V9-40-1050	V9-45-1050
INPUT	Nominal voltage	V	220 – 240							
	Nominal frequency	Hz	50 / 60							
	AC voltage range	V	198 – 264							
	DC voltage range	V	NA							
	Nominal current	A	0.15	0.18	0.2	0.22	0.24	0.26		
	THD (Full load)	%	≤ 25	≤ 15						
	Power factor (Full load)		0.95							
	Efficiency (Full load)	%	85	86	88					
	NO load	W	≤ 0.5							
	Protection class		II							
	Inrush current(Cold start)	A pk	20(th = 200 μs)							
	Max.units per circuit breaker		B16: 20 B10: 13							
	OUTPUT	Nominal voltage range	V	30-42						28-39
Maximum voltage(Open Circuit)		Vdc	≤ 58							
Nominal current		mA	600	700	800	850	900	950	1050	1050
Current accuracy		%	+/- 5							
Current ripple ≤120Hz		%	≤ 8							
Pst LM			≤ 1							
SVM			≤ 0.4							
Nominal power range		W	18 – 25	21-30	24-34	25-36	27 – 38	28-40	29-40	31-45
Maximum power		W	25	30	34	36	38	40	45	
Galvanic isolation			SELV							
ENVIRONMENT	Ambient temperature range ta	°C	-20 ...+50				-20 ...+45			
	Maximum case temperature tc	°C	80				85			
	Max. Case temp. In fault condition	°C	110							
	Storage temperature range	°C	-20 ...+70							
	Relative humidity	%	5 ... 85 (Not condensing)							
	Surge transient protection	kV	1 2 (L/N LN/PE acc to. EN 61547 Clause 5.7)							
	Environmental rating		Indoor							
	IP rating		IP 20							
	Mains switching cycles		> 100,000							
	Expected lifetime	h	50,000 (0.2% / 1'000 h failure rate)							

*All parameters NOT specially mentioned are measured at 230VAC input ,rated current and 25°C of ambient temperature

Protections

Over temperature

Yes

Over load

Yes

No load

Yes

Short-circuit

Yes

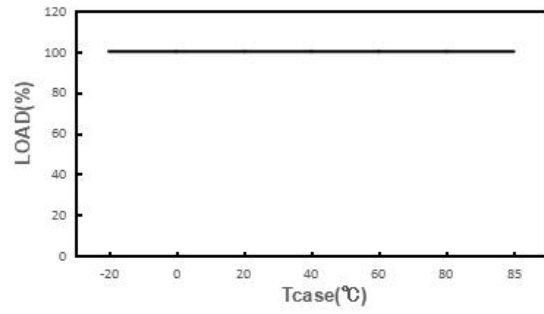
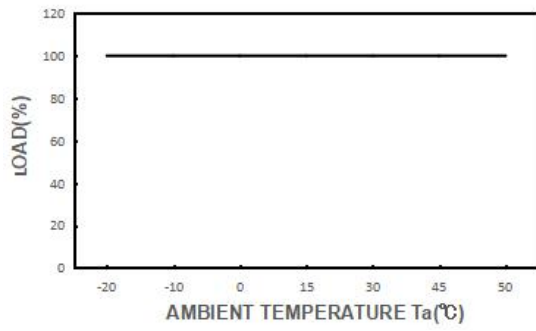
Input overvoltage

Maximum allowed input voltage 264V AC

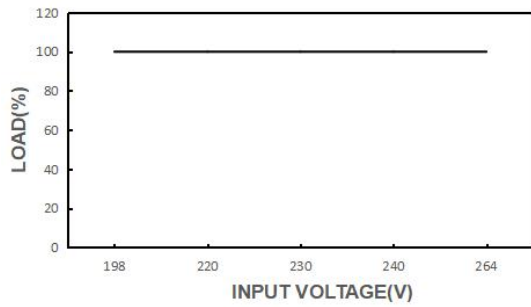
Output overvoltage

Yes, Limitation of Output voltage ≤ 58V

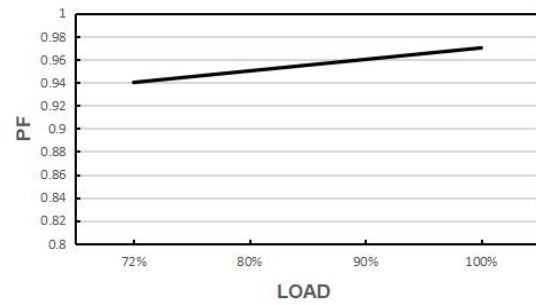
OUTPUT LOAD vs TEMPERATURE



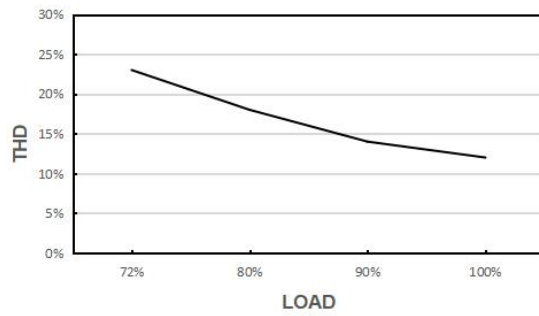
STATIC CHARACTERISTIC



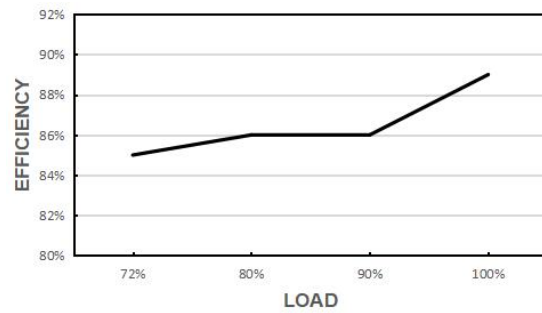
POWER FACTOR (PF) CHARACTERISTIC



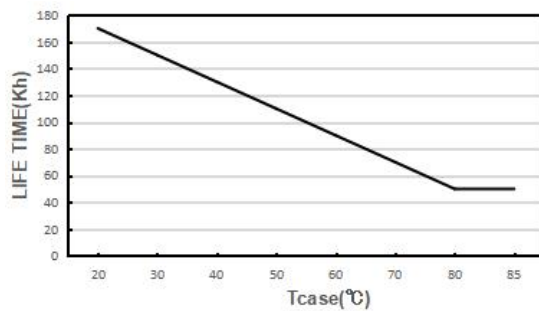
TOTAL HARMONIC DISTORTION (THD)



EFFICIENCY vs LOAD



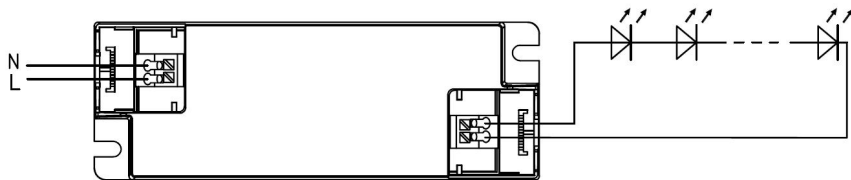
LIFE TIME



*The graph is for reference only, and the detailed values refer to the parameter table

Wiring Diagram

Terminal:	Push in terminals
Max. cable length - system:	2 m
Dimensions(LxWxH):	116 x 41 x 25 mm
Weight:	100 g



For build-in S: 0.5-0.75mm², for independent S: 0.75mm²

Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs.

Remarks

-**Touch current:** lower than 0.7 mA, according to EN 60598-1 annex. G and EN 61347-1 annex A

Standards

EN 61347-1
EN 61347-2-13
EN 62384
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 60598-1
IEE1789
(EU) 2019/2020

Manufacturer's address:

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