

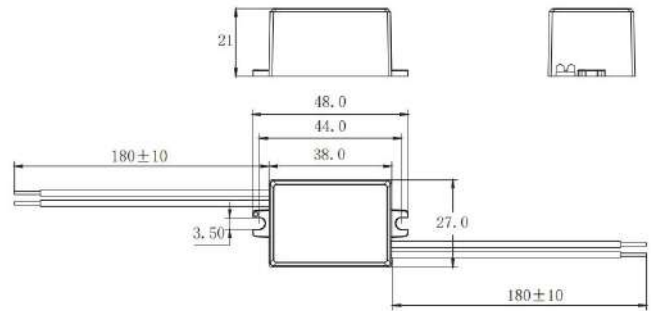
SWITCH TO BRIGHTER FUTURE



Product data sheet: MINI-6-XXX Series

Features

- Super compact design for built-in use
- Analogue flicker-free
- Primary and secondary sides come with leads
- Protections: opencircuit, shortcircuit, overload, overtemperature
- Seal with glue, the operating temperature up to 60°C
- DC input compatible (176-250V DC)
- SELV equivalent
- Suitable for protection class I and II luminaires



Applications

- Office
- Shop
- Hospitality
- Public areas

Approbations & Certifications

TUV, CE, CB

Housing properties

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

Electrical Specifications

Type		Unit	MINI-6-160	MINI-6-250	MINI-6-350	MINI-6-500	MINI-6-700
INPUT	Nominal voltage	V	220 – 240				
	Nominal frequency	Hz	50 / 60				
	AC voltage range	V	198 – 264				
	DC voltage range	V	176 - 250				
	Nominal current	A	0.07				
	THD (Full load)	%	≤ 110				
	Power factor (Full load)		0.60C				
	Efficiency (Full load)	%	82	81	80	78	78
	Turn on time	ms	≤ 500				
	No load	W	≤ 0.5				
	Protection class		II				
	Inrush current(Cold start)	A pk	10 (th = 100 μs)				
	Max.units per circuit breaker		B10:70 B13:91 B16:112 B20:140 C10:140 C13:182 C16: 224 C20:280				
OUTPUT	Nominal voltage range	V	19 – 38	12 - 24	9 - 18	6 - 12	4 - 9
	Maximum voltage(Open Circuit)	Vdc	≤ 55	≤ 32	≤ 25	≤ 20	≤ 17
	Nominal current	mA	160	250	350	500	700
	Current accuracy	%	+/- 10				
	Current ripple ≤120Hz	%	≤ 10				
	Pst LM		≤ 1				
	SVM		≤ 0.4				
	Nominal power range	W	3-6				
	Maximum power	W	6				
	Galvanic isolation		SELV				
ENVIRONMENT	Ambient temperature range ta	°C	-20 ...+60				
	Maximum case temperature tc	°C	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	0.5 1 (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

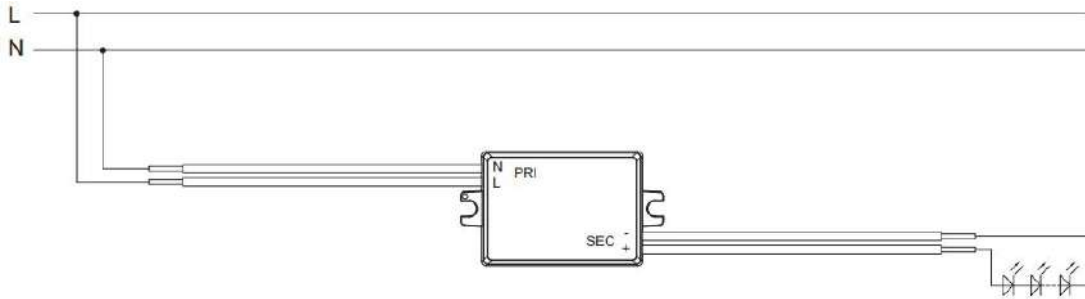
Maximum allowed input voltage 264V AC

Output overvoltage

Yes

Wiring Diagram

Max. cable length - system:	2 m
Dimensions(LxWxH):	48 x 27 x 21 mm
Mounting hole spacing, length	44 mm
Wire length	180 ± 10 mm
Weight:	45±8 g



Input Wire: VDE 7726 0.5mm²; Output Wire: UL 1015 22AWG .

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 0.7mA, 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
EN 50581
IEEE1789
(EU) 2019/2020

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