

LDP020-xxx-01-series

LED Power Supply | LED Driver | LED Control Gear | 20 Watt | CC



- Suitable for indoor applications
- SELV output

Product benefits

- High efficiency: > 80 %
- Very compact case with only: 135 x 36 x 29 mm (L x W x H)
- Connecting by poke-in connector (screwless)

Product features

- Constant current CC
- Output power max.: 20 Watt
- Output current range : 0.35 ~ 1.66 A
- Output voltage range : 9 ~ 48 Vdc
- SELV equivalent

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Technical data

Electrical Data

Nominal voltage	100 ~ 240 Vac
Input voltage range	90 ~ 264 Vac ¹
Nominal current	0.5 Arms ²
power frequency	47 ~ 63 Hz
Output voltage range	See table page 5
Output current range	See table page 5
Output power	20 W
Efficiency	>80% ³
Inrush current	TBD
Power factor λ	>0,9 ²
Galvanic isolation primary / secondary	3750 Vac
Start delay	3 sec.
Switching off delay	TBD
Ripple voltage	<2 Vp-p (20 MHz bandwidth)

1. Permitted voltage range
2. At 115 Vac
3. Full load at 230 Vac

Dimensions and weight

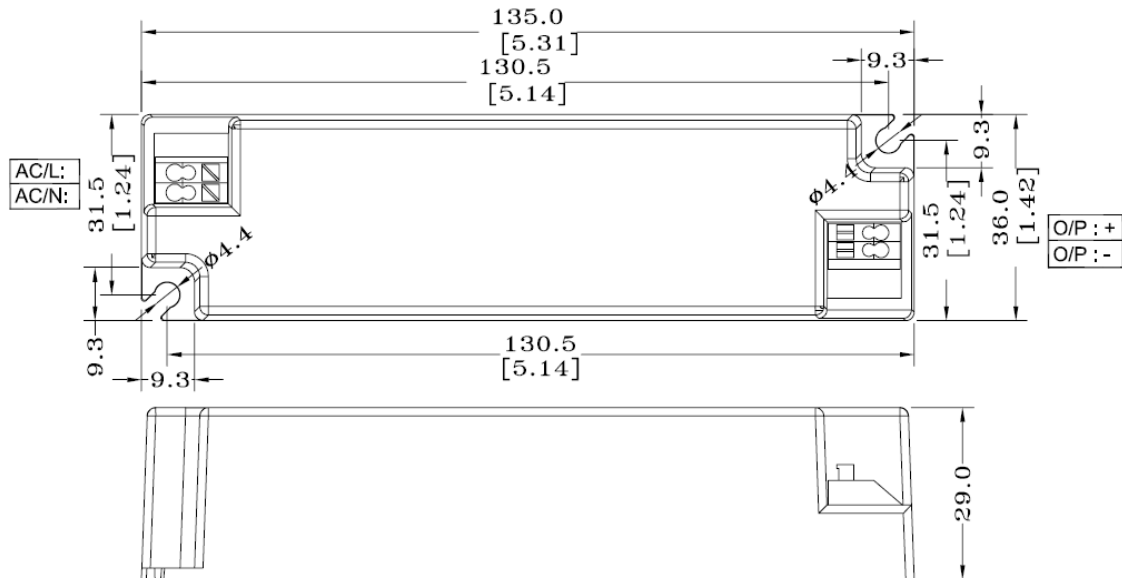
Lenght	135,0 mm
Width	36,0 mm
Height	29,0 mm
Product weight	210 g
Cable cross-section, input side	24-16 AWG
Cable cross-section, output side	28-20 AWG

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Product drawing



Temperatures

Operating ambient temperature range	-20°C ~ +60°C
Storage temperature range	-25°C ~ +80°C
Max. temperature at tc test point	TBD
Operating humidity rage	10% ~ 90%
Storage humidity rage	10% ~ 95%

Capabilities

Max. wiring lenght driver/lamp	TBD
Over voltage protection	Auto recover mode
Over current protection	Built-in
Short-circuit protection	Built-in
Suitable for fixture with protection class	TBD

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Certificates and standards

EMI	FCC part 15
	EN55015 class B
EMS	CE
UL	1310 for class 2
Type of protection	TBD

Reliability:

MTBF	100.000 h. @25°C (MIL-HDBK-217F)
Drop test	TBD
Vibration test	TBD

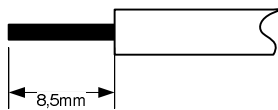
Connector cable

WAGO 250-202	L (100~240 Vac)
WAGO 250-202	N (100~240 Vac)

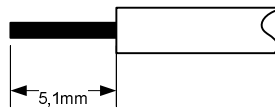
Connector cable

WAGO 233-202	LED+
WAGO 233-202	LED-

Input side: AWG 24~16



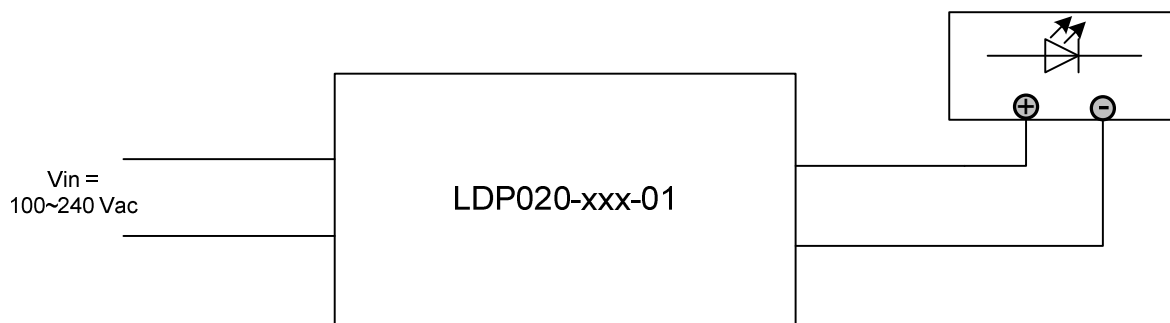
Output side: AWG 28~20



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Wiring diagram



Order key

Model No.	Vo	Io	Po	CC	Vmax
LDP020-120-01	12.0V	1.66A	20.0W	9-12V	15V
LDP020-150-01	15.0V	1.33A	20.0W	11.25-15V	18V
LDP020-240-01	24.0V	0.83A	20.0W	18-24V	27V
LDP020-360-01	36.0V	0.55A	20.0W	27-36V	39V
LDP020-480-01	48.0V	0.41A	20.0W	36-48V	51V
LDP020-241-01	24.0V	0.70A	16.8W	12-24V	27V
LDP020-361-01	36.0V	0.35A	12.6W	18-36V	39V
LDP020-481-01	48.0V	0.35A	16.8W	24-48V	51V

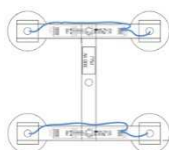
Accessories



- Model: PS-LEDengine 1
- <http://www.power-systems.de/en/product-details/?product=1170>



- Model: PS-LEDengine 2
- <http://www.power-systems.de/en/product-details/?product=1223>



- Model: PS-LEDLuminaire
- <http://www.power-systems.de/en/products/led-lighting/led-luminaire/>

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Disclaimer

Subject to change without prior notice. Please ensure that you have the most recent release.
Please find our terms and conditions here: [AGB](#).

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