NEXIVO
by KGP Electronics GmbH

RCXXWXXX-NX

Constant Current Driver

Model:CCXXWXXX

CE EAC SELV

Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
RC8W200-NX	163110	200mA	0.14A	12.00W	5.20-8.00W	0.5	80%	27-40V	55V
RC10W250-NX	163120	250mA	0.16A	14.00W	6.75-10.00W	0.5	82%	27-40V	55V
RC12W300-NX	163130	300mA	0.16A	16.00W	8.10-12.00W	0.5	82%	27-40V	55V
RC14W350-NX	163140	350mA	0.18A	18.00W	9.45-14.0W	0.5	82%	27-40V	55V

*** Test result @230V, 50Hz, Full Load.**

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	/
	Frequency	50/60Hz
	Input Current	≤0.18A
	Input Power	≤18W
	Power Factor	≥0.50 (230VAC ， fullload)
	THD	≤ 15% (230VAC ， fullload)
	No-load Power Consumption	≤0.5W @230VAC
Output	Current Accuracy	±5%
	Max.Output Power	14W
	Started Delay Time	≤0.5S(230VAC，full load)
	LF Current Ripple(<120Hz)	±5%（I max-I min）/（I max+I min）
	PstLM	≤1
	SVM	≤0.4
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Over-temperature protection	Auto Recovery
	Insulation voltage	I/P to O/P , 3KVac/1min
	Insulation resistance	>100M ohm @ 500VDC

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	Leakage current	I/P to O/P < 250 μA
Environment	Ta/Operation Temperature	-20 … +60℃；
	Ts/Storage Temperature	-30 … .+85℃
	Tc/Enclosure Temperature	90℃
	Humidity	10%.... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Built-in
	PRI Wire preparation	0.5- 1.5□ , with 8mm tin
	SEC Wire preparation	0.5- 1.5□ , with 8mm tin
	Dimension	Φ42*22mm (R*H)
Standards	Certification	CE
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017, AS 61347.2.13:2018,AS/NZS 61347.1:2016 Inc A1
	EMC Standards	EN IEC 55015:2019EN, IEC 55015:2019/A11:2019 ,EN IEC 61000-3-2:2019,EN 61000-3-3:2013/A1: 2019,EN61547:200
	Performance	EN62384
	Surge	L-N/ 1KV
Others	RoHS	Complied to 2011/65/EU
	Life Time	50000h Tc=85℃
	Warranty	5years , F.R. <10000ppm

Remark：
1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ambient temperature.
2.LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.
3. Please make sure Tc under Lifetime condition when long term operate under DC input.

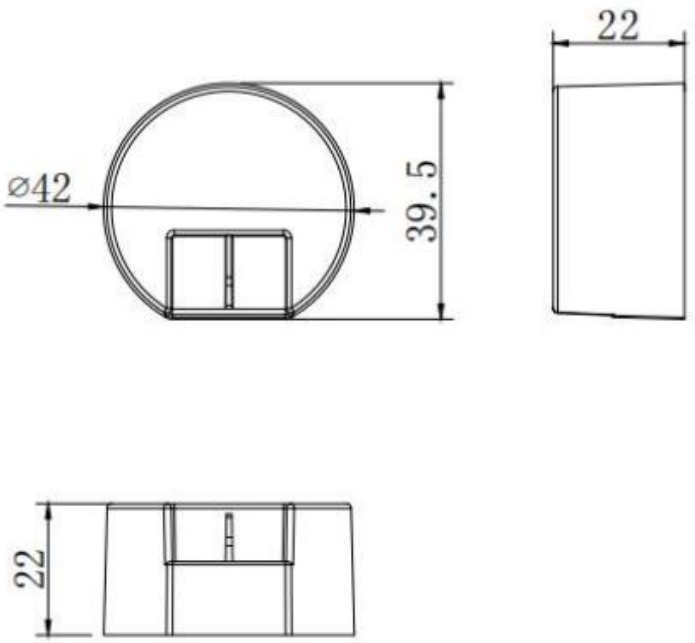
2. Connected quantities of different current Breaker

TYPE	Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current（A）	10	13	16	20	25			
	Installation wire diameter	1.5mm²	2.5mm²	2.5mm²	4mm²	4mm²			
TYPE B		30	39	48	60	75	@230VAC	20	460μs
TYPE C		48	62	77	96	120			
TYPE D		77	100	123	154	192			

3. Label

4. Lifetime curve

5. Dimension



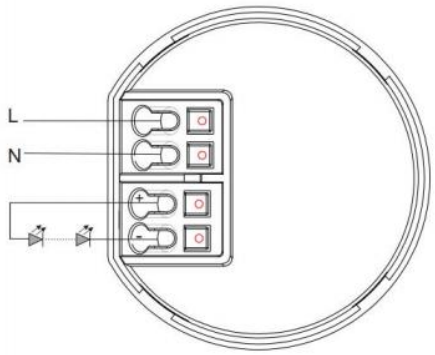
6. Packing information

Packing way	Model	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
Industrial	RC8W200-NX RC10W250-NX RC12W300-NX RC14W350-NX	435*280*210	280	0.040	11.20	12.20

7. Ordering data

Model No	Item code
RC8W200-NX	163110
RC10W250-NX	163120
RC12W300-NX	163130
RC14W350-NX	163140

8. Wiring Diagram



9. Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5-10 cm distance)
- Advice the maximum length of output wires is 3 m
- Secondary switching is not permitted (Except for constant voltage)
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)

10. Revision history

Date	Revision	Remark
2026.16.03	V0.01	Product release

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