NEXIVO
by KGP Electronics GmbH

RC28W100-850-NFC-NX

Constant Current Driver

Model:RC28W100-850-NFC-NX

Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
RC28W100-850-NFC-NX	158000	100-850mA	≤0.15A	33.40W	0.30-28.10W	≥0.94	87%	2.5-46Vdc	60Vdc

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output current setting	Near field communication (NFC)
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Overvoltage protection	N/A
	Input Current	≤0.15A max
	Input Power	≤33.4W max
	Power Factor	≥0.94 (230VAC，full load)
	THD	≤N/A (230VAC，full load)
	No-load Power Consumption	≤0.5W (230VAC，full load)
	Inrush Current	≤N/A (230VAC，full load)

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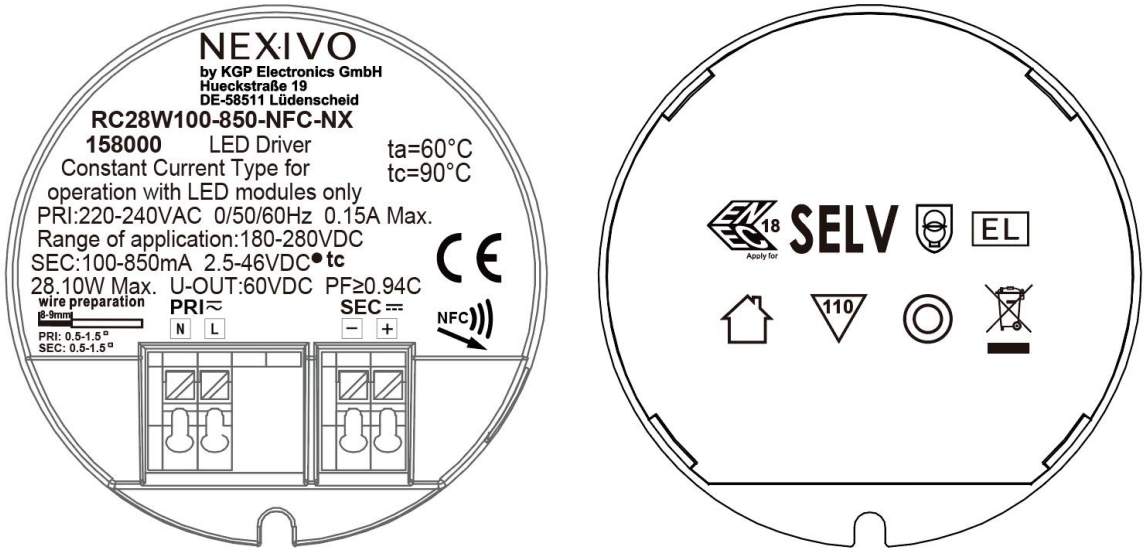
	Connected quantity of 10A Breaker Connected quantity of 13A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	N/A
Output	Output Voltage Range	2.5-46VDC@100-600mA ; 2.5-43VDC@650mA 2.5-40VDC@700mA ; 2.5-37VDC@750mA 2.5-35VDC@800mA ; 2.5-33VDC@850mA
	No Load Voltage	60VDC Max.
	Output Current	100-850mA (by NFC setting， Factory set current of 100mA)
	Max. Output Power	28.10W
	Efficiency	≥87% (230VAC，full load)
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤1
	SVM	≤0.4
	Starting Time（AC mode）	≤0.5S (230VAC，full load)
Control Method	NFC current setting	The output current can be set within the total value range in 1-mA-steps. Output current is mean value. Setting is by EX·IVO's software APP/APK/PC with FEIG equipment or mobile phone
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery (not be hot swap)
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	<700μA,I/P to O/P @230V input
Environment	Ta/Operation Temperature	-20….+60℃
	Ts/Storage Temperature	-20….+90℃
	Tc/Enclosure Temperature	90℃
	Humidity	10%.... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in
	PRI Wire preparation	0.5-1.5□/ 8-9mm
	SEC Wire preparation	0.5-1.5□/ 8-9mm
	SEC Wire preparation	0-0.8±0.05m (The EMC test results were achieved at approximately 0.8 meters) (the length required by the standard). If there are any data differences, please test according to the length required by the standard)
	Dimension	54.8*25.0mm(φ *H)
Standards	Certification	CE

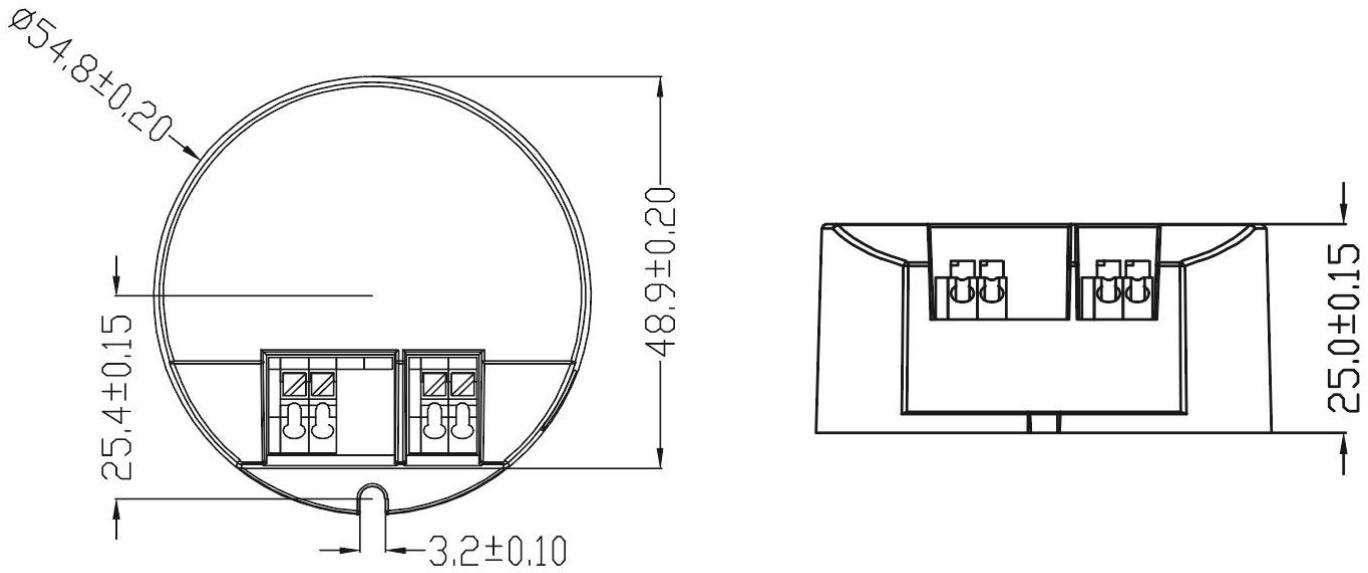
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017;
	Performance	EN62384
	Surge	L-N:1kV
Others	RoHS	Complied to 2011/65/EU
	Life Time	50000h Tc=85℃
		75000h Tc=80℃
		100000h Tc=75℃
	Warranty	5years ， F.R. < 10000ppm

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. .

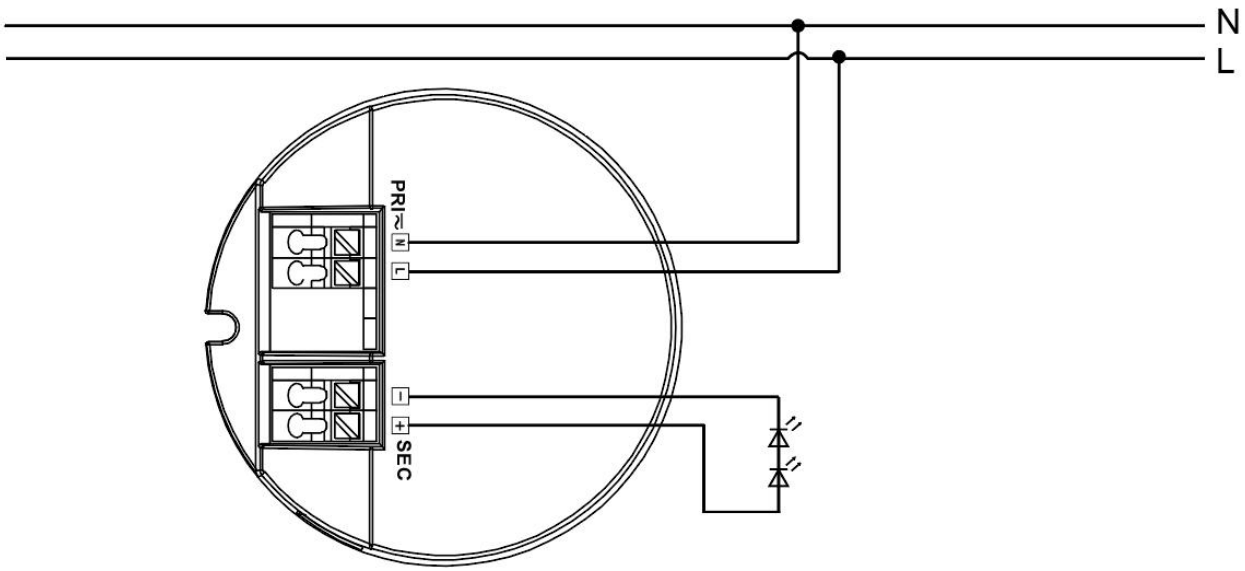
2. Label



3. Dimension（Unit：mm）



4. Wiring Diagram



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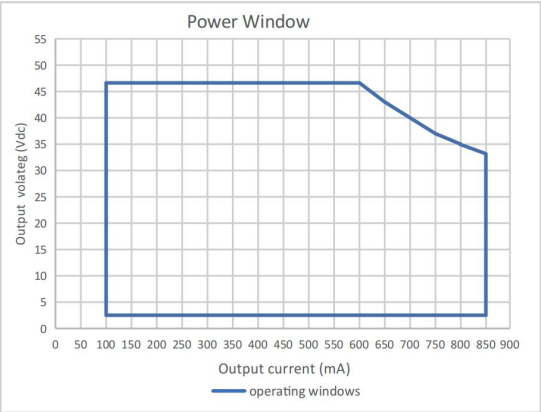
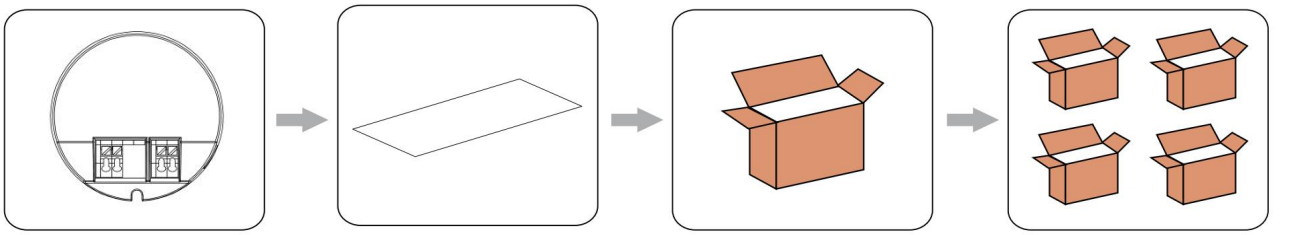
5. Electrical values

1. Operating power windows



6. Packing information



Product | paper partitions linerboard /Plastic paper | 20per small box | 20sets/box*4boxs=80pcs/Carton

Inner box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
T.B.D	T.B.D	T.B.D	T.B.D	T.B.D

Outer box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
T.B.D	T.B.D	T.B.D	T.B.D	T.B.D

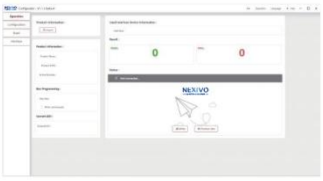
7. Ordering Data

Model No	Item code
RC28W100-850-NFC-NX	158000

8. NFC current setting:

NFC Reader (optional)

Feature:
Easily on-line read a output current from a driver or write a new current data to a driver throughout NEX·IVO NFC
reader within few seconds.



Model No	Description	Interface	Matching antenna	Zhaga approval	Usage
ID CPR30+	Desktop programmer	USB	Integrated	Yes	Single Programming on Desktop
ID ISC.PRH101-USB	Handheld programmer	USB	Integrated	Yes	Single Programming by Handheld
ID ISC.MR102-USB	Middle range programmer, for connecting external antenna	USB	RF-MANT12786	Yes	Single Programming on Product line
ID ISC.LR1002-E	Long range programmer, for connecting external antenna	USB, RS232, TCP/IP	ID ISC.ANT310/310	Yes	Multi Programming System

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APP NFC

Feature:
Quickly check output current of a LED driver simply via iPhone smart phone, as well as, correct or setup a new
current data immediately with no extra equipment at any job site

iPhone
ICON

Main

Download method

1.Scan the QR code to download

2.On your iPhone, search for KGP NFC in APP Store to download it

Phone smartphones with NFC can be downloaded and used directly

Android
ICON

Main

Download method

1.Scan the QR code to download

Android smartphones with NFC can be downloaded and used directly

Product	Description	Interface	Matching antenna	Zhaga approval	Usage
ID ECCO Smart HF-BLE	Handheld wireless programmer	USB,Bluetooth LE V4.2 & V5.0	Integrated	Yes	Handheld programming, installation and maintenance work

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9. REVISION HISTORY

Date	Revision	Remark
2026.16.03	V0.01	Product release
2026.01.07	V0.02	Add the logo for applying for ENEC certification