NEXIVO
by KGP Electronics GmbH

CC6W100-700-TRIAC-NFC-NX

Constant Current Dimmable Driver

Model:CC6W100-700-TRIAC-NFC-NX

Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
CC6W100-700-TRIAC-NFC-NX	159600	100-700mA	0.05A	8.40W	0.25-6.10W	0.82	72%	2.5-13Vdc	55V Max.

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	Triac
	Dimming Range	10%-100%
	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	≤0.05A
	Input Power	≤ 8.40W
	Power Factor	≥0.82 (230VAC ， full load)
	THD	N/A (230VAC ， full load)
	Standby Power Consumption	≤0.5W @230VAC
	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	2.5-13VDC@100-450mA, 2.5-12VDC@500mA 2.5-11VDC@550mA, 2.5-10VDC@600mA 2.5-9VDC@650mA, 2.5-8VDC@700mA
	No Load Voltage	55VDC Max.
	Output Current	100-700mA(by NFC setting， Factory set current of 100mA)
	Max. Output Power	6.10W
	Efficiency	≥72% @450mA，230VAC
	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	I/P to O/P , 3.0KVac/5mA/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	<700μA,I/P to O/P@230Vinput
Environment	Ta/Operation Temperature	-20….+50℃
	Ts/Storage Temperature	-20….+90℃
	Tc/Enclosure Temperature	90℃
	Humidity	10%.... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Wire
	Installation	Build-in
	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	38 *30*19.9mm (L*W*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	compliedto2011/65/EU
	Life Time	50000h Tc=90℃
		75000h Tc=85℃
		100000h Tc=80℃
	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.

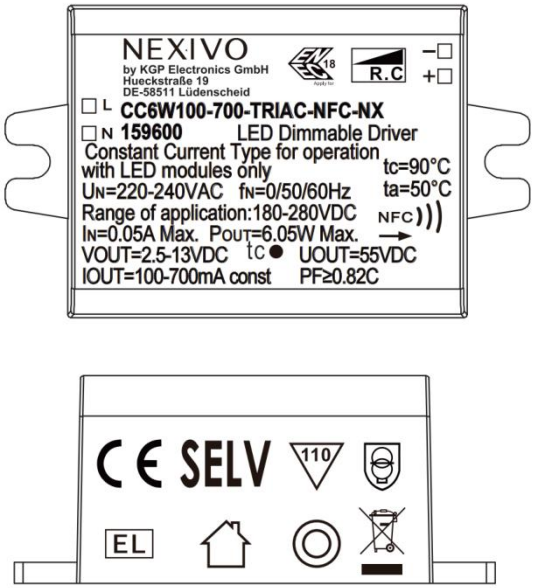
Distance	15m	30m	50m
Cable selection	0.5mm²	0.75mm²	1.0mm²

2. Wiring Diagram

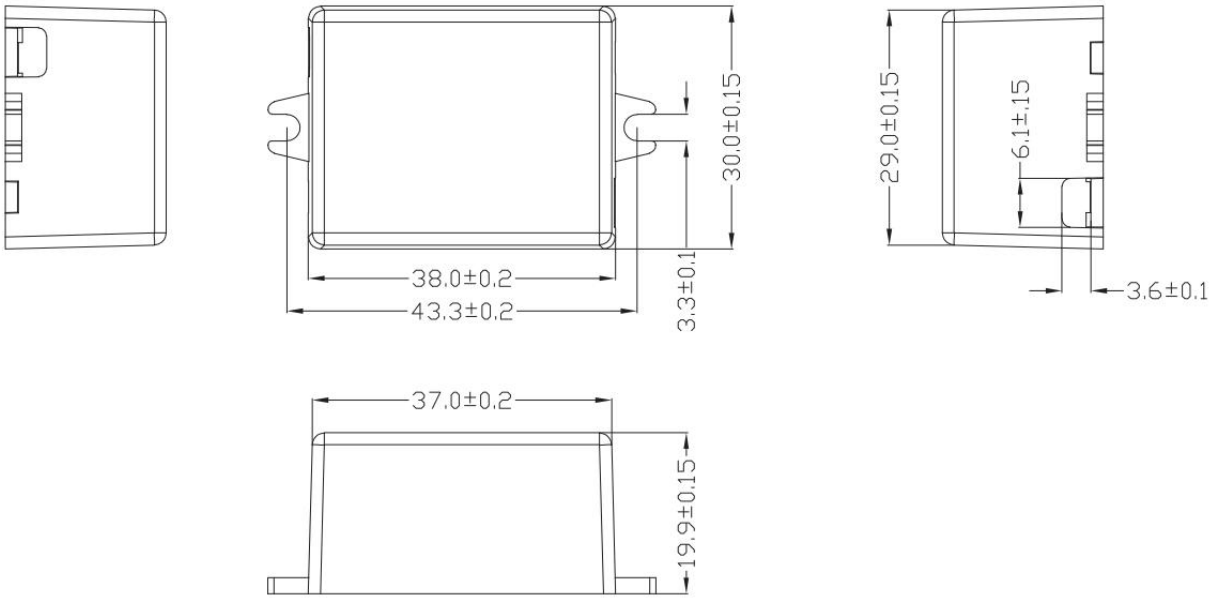
Manufacturer	Model	Q'ty of parallel connection
ABB	6519U	13
ABB	6526U	12
JUNG	1224LEDUDE	12
Berker	2861	12
JUNG	254UDIE1	13
JUNG	225TDE	12
EGANT	U321V2	12
Merten	SBD200LED	12
Berker	2874	12
Eltako	EUD61NPL-230V	10
Eltako	EUD12NPN-UC	10
Eltako	EUD12D-UC	10
Eltako	EUD61NP-230V	10
Eltako	DTD55-230V-wg	10
Eltako	DTD55L-230V-wg	10
Eltako	EUD61NPN-UC	10
GIRA	Universal-LED-DimmerMini244000	9
EHMANN	LED-DimmerT46.08	10
JUNG	DrehdImmerUnlversalLED1731DD	10
niko	330-00700	10
niko	310-0390X	10
Bticino	L-N-NT4411N	10
TECNEL	TE44895BT	10
TECNEL	TE7636	10
VIMAR	20135.1	10
	C-300 RLC	10

Leading Edge Dimmer list only on request -/ or confirmed by EX·IVO's Electronics

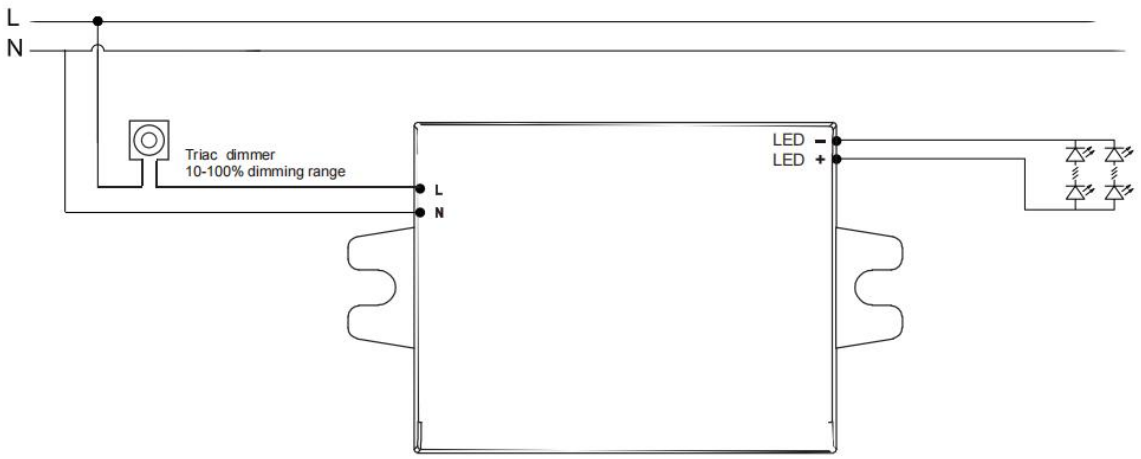
3. Label



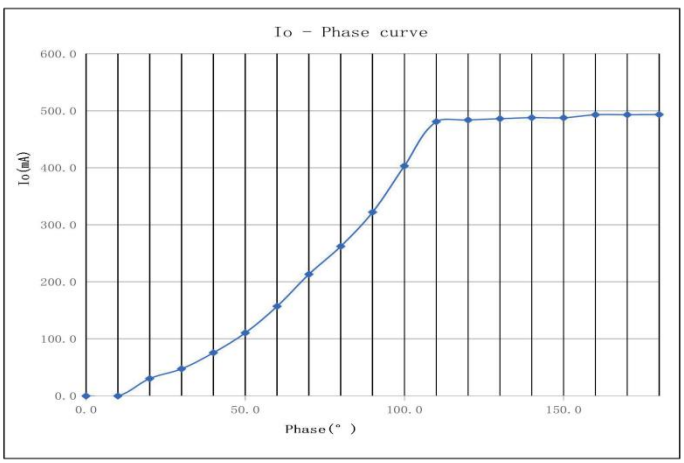
4. Dimension（Unit：mm）



5. Wiring Diagram

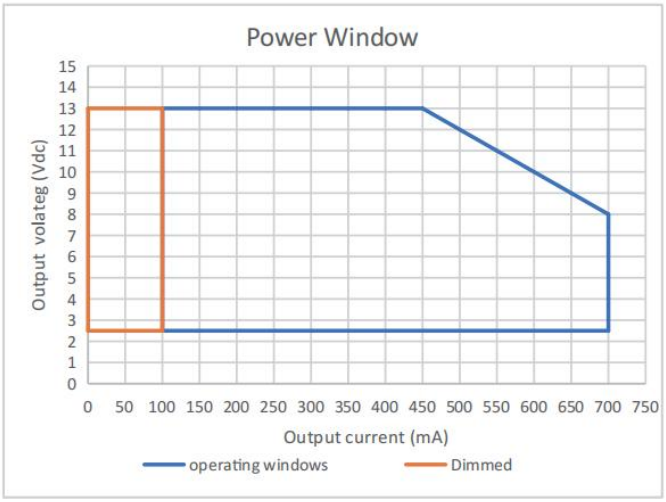


6. Dimming curve

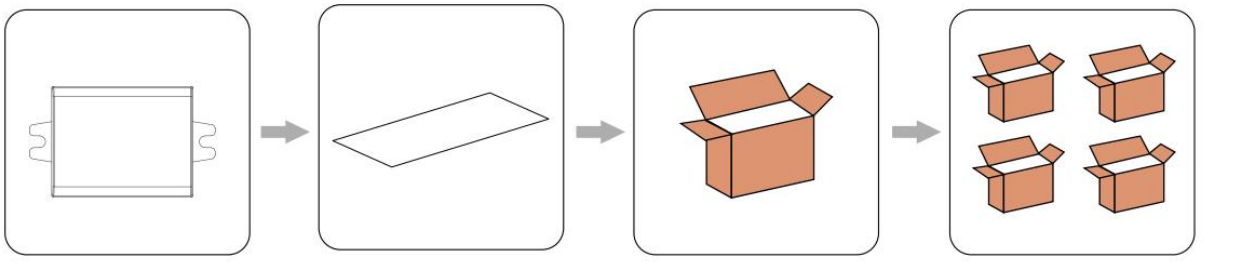


7. Electrical values

1. Operating power windows



8. Packing information



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

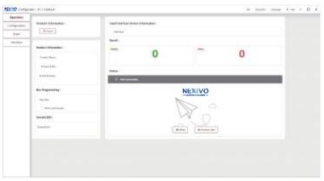
9. Ordering Data

Model No	Item code
CC6W100-700-TRIAC-NFC-NX	159600

10. 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

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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11. 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.)

12. REVISION HISTORY

Date	Revision	Remark
2026.16.03	V0.01	Product release
2026.27.06	V0.02	Add the logo for applying for ENEC certification