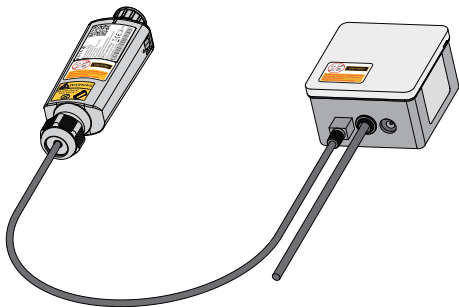


RCN-KIT Quickguide (EN)



For KACO blueplanet 3.0-20.0 NX3 M2

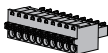
Please refer also to the inverter manual



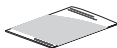
1. Delivery Content



RCN Connection Box



Terminal (10 pin) x1



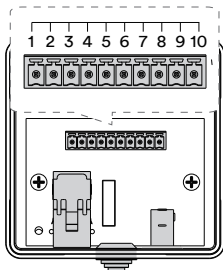
Quickguide x1



Connect-RCN x1

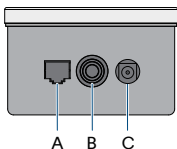
2. Overview of the connection area

Assignment of the terminal block:



PIN	Assignment
1	+12V
2	GND
3	GND
4	DI1
5	DI2
6	DI3
7	DI4
8	GND
9	NA Input Signal
10	GND

Assignment of the connection area:



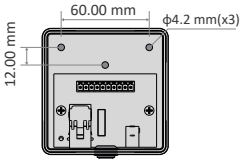
NO	Name	Description
A	RJ45 Socket	Connect - RCN
B	Communication Port - knockout seal	Input for Ripple Controller Receiver & NA-Protection
C	Power supply Port	Power supply socket, connect to 12V power adapter

3. Mounting

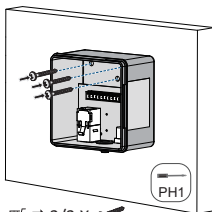
1



2



3

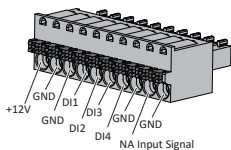


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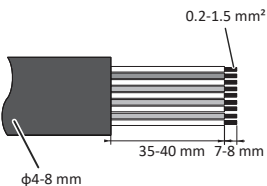


4. Inside Connection

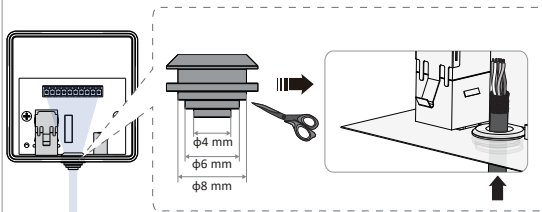
1



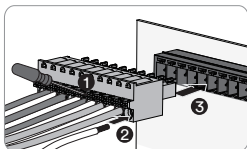
2



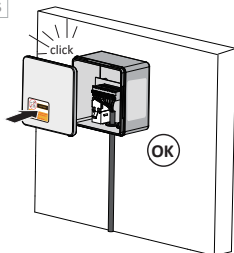
3



4

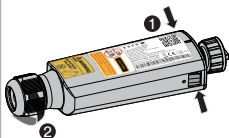


5

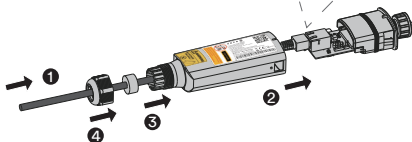
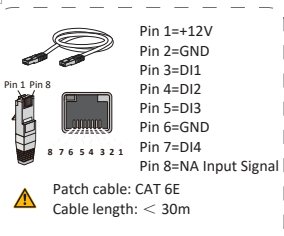


5. Connect-RCN (Communication device)

1



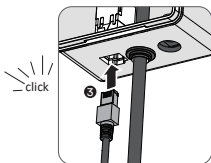
2



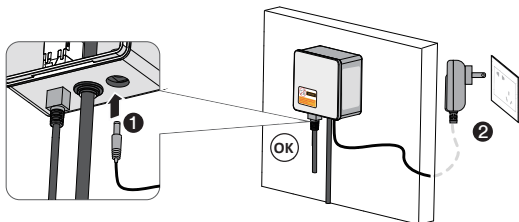
3



4



6. Power supply connection (optional)

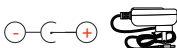


Optional: External power supply, for monitoring without DC power (at night)

Rated voltage: 12VDC (+/- 10%)

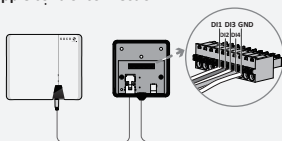
Rated current: min. 0.5A-3A

Connector: 5.5/2.1mm barrel connector

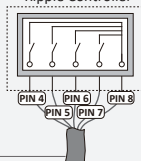


7. Connection (with RCN Connection-Box)

Ripple control connection



Ripple Controller



Ripple control signals:

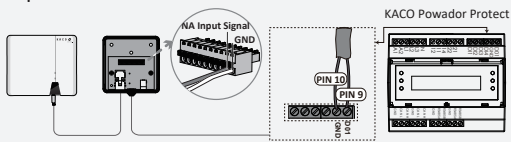
Note:

A logical 1 means that the corresponding input must be switched to GND

A logical 0 means that the respective input remains open or unconnected

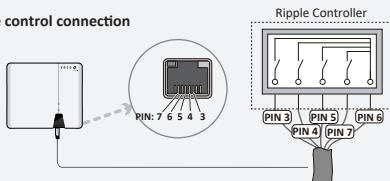
D1 (1)	D2 (2)	D3 (3)	D4 (4)	Output power (in % of the AC _{RPO})
0	0	0	0	100%
1	0	0	0	100%
0	1	0	0	60%
0	0	1	0	30%
0	0	0	1	0%
1	1	1	1	

NA protection connection

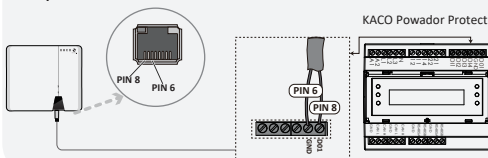


8. Direct Connection (without RCN Connection-Box)

Ripple control connection



NA protection connection

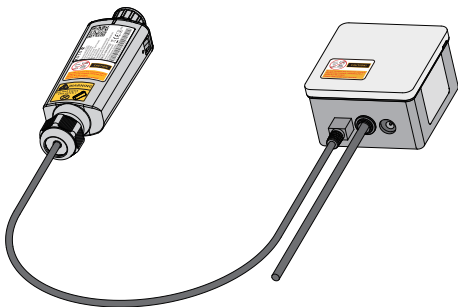




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RCN-KIT Kurzanleitung (DE)

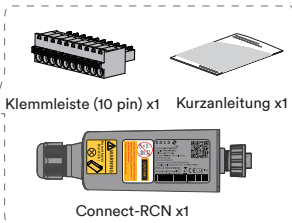
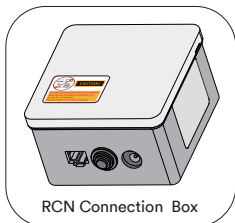


Für KACO blueplanet 3.0-20-0 NX3 M2

Bitte auch das Handbuch des Wechselrichters beachten

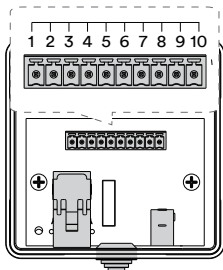


1. Lieferumfang



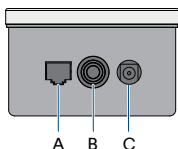
2. Übersicht Anschlussbereich

Belegung Klemmleiste:



PIN	Belegung
1	+12V
2	GND
3	GND
4	DI1
5	DI2
6	DI3
7	DI4
8	GND
9	NA Input Signal
10	GND

Belegung Anschlussbereich:



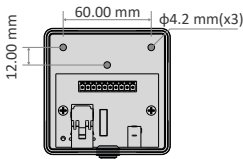
NO	Name	Beschreibung
A	RJ45-Buchse	Connect - RCN Anschluss
B	Kommunikationsanschluss - Knockout-Dichtung	Eingang für Rundsteuerempfänger und NA-Schutz
C	Stromversorgung Anschluss	12 V Netzteil Anschluss

3. Montage

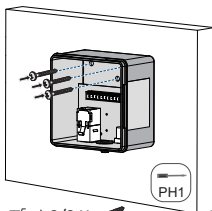
1



2



3

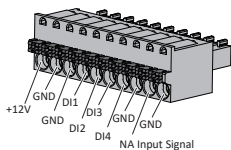


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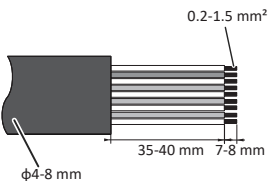


4. Verdrahtung

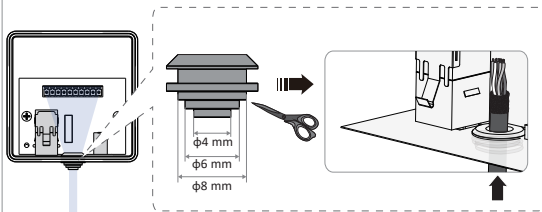
1



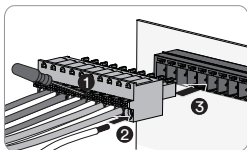
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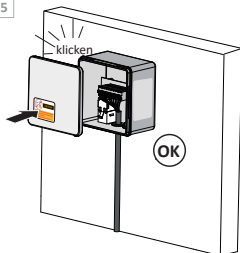
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4

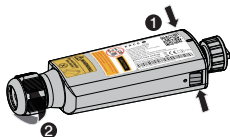


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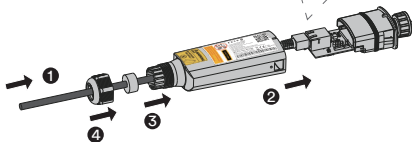
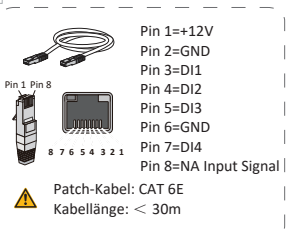


5. Kommunikations Einheit

1



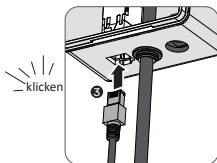
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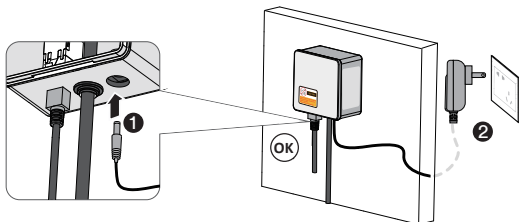
3



4



6. Netzteilanschluss (optional)

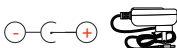


Optional: Externe Stromversorgung für Monitoring ohne DC (Nachts)

Nennspannung: 12VDC (+/- 10%)

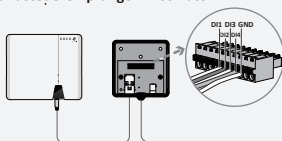
Nennstrom: min. 0,5A-3A

Stecker: 5,5/2,1-mm-Steckverbinder

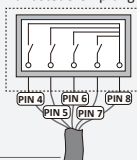


7. Anschluss (mit RCN Connection-Box)

Rundsteuerempfänger Anschluss



Rundsteuerempfänger



Rundsteuerempfänger Signale:

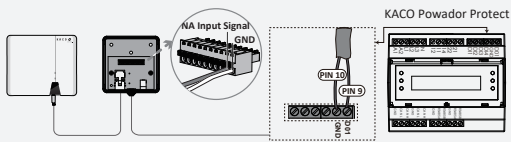
Bitte beachten:

1 bedeutet, der entsprechende Eingang muss auf GND geschaltet sein

0 bedeutet, der entsprechende Eingang bleibt offen bzw. nicht angeschlossen

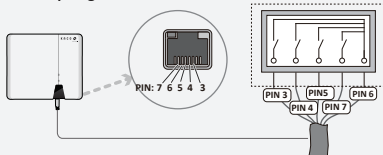
D1 (1)	D2 (2)	D3 (3)	D4 (4)	Output power (in % of the AC _{APD})
0	0	0	0	100%
1	0	0	0	100%
0	1	0	0	60%
0	0	1	0	30%
0	0	0	1	
1	1	1	1	0%

NA-Schutz Anschluss

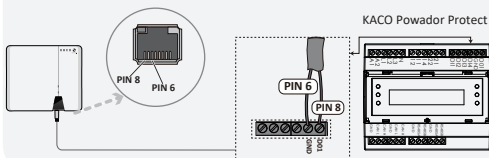


8. Direktanschluss (ohne RCN Connection-Box)

Rundsteuerempfänger Anschluss



NA-Schutz Anschluss



K A C O



new energy.

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www.kaco-newenergy.de



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