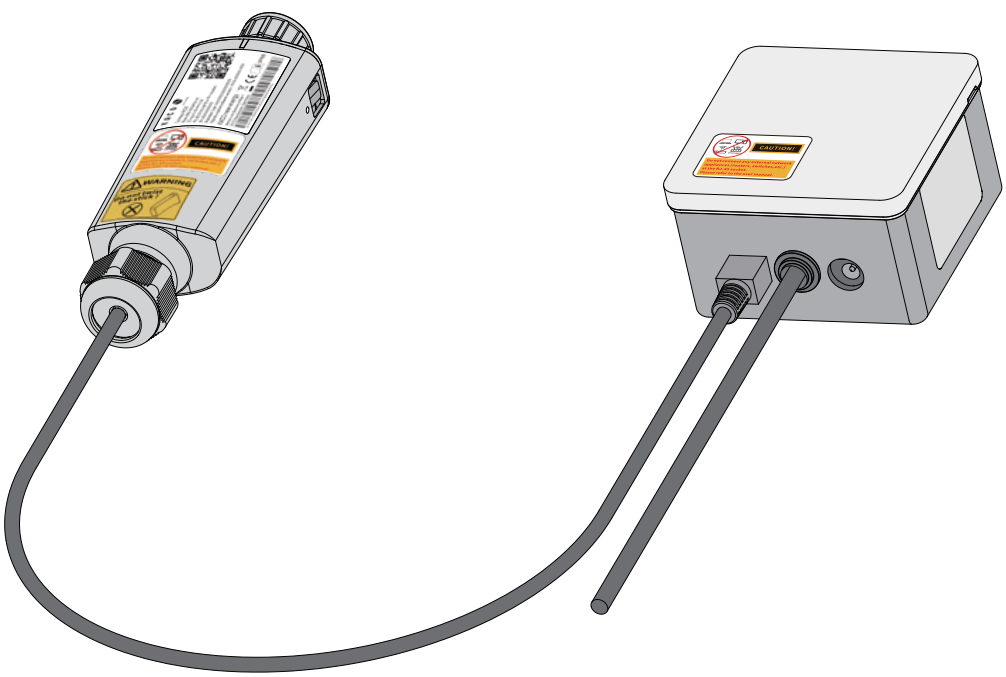
KACO new energy.

RCN-KIT Quickguide (EN)

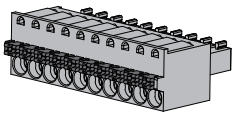


For KACO blueplanet 3.0-20.0 NX3 M2

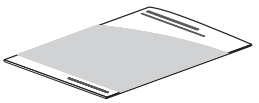
Please refer also to the inverter manual

1.Delivery Content

RCN Connection Box



Terminal (10 pin) x1

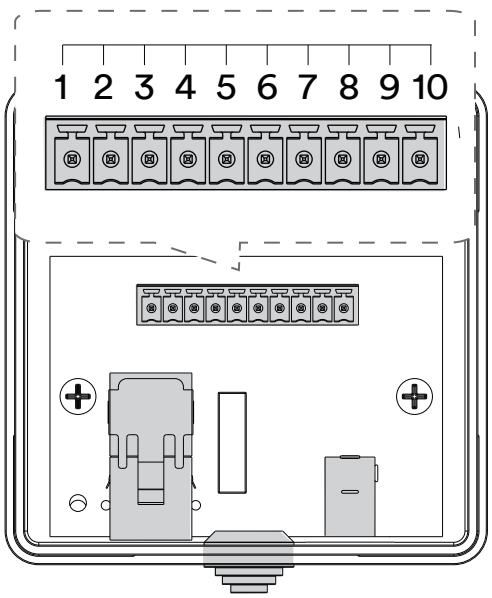


Quickguide x1

Connect-RCN x1

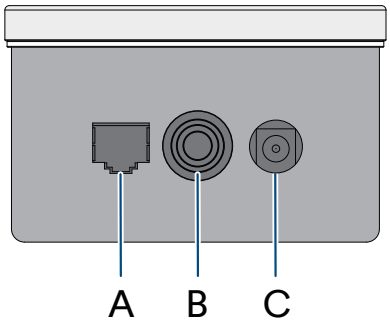
2. Overview of the connection area

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

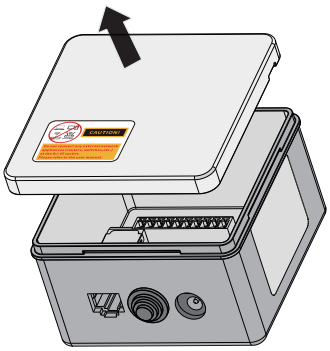
Assignment of the connection area:



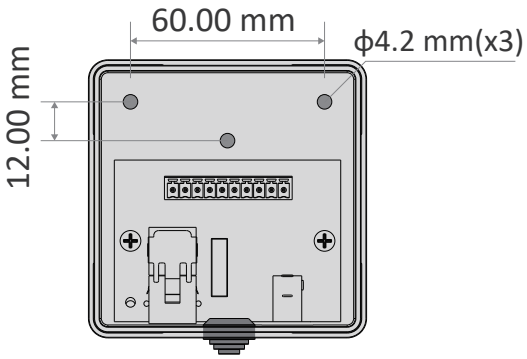
NO	Name	Description
A	RJ45 Socket	Connect - RCN
B	Communication Port - knockout seal	Input for Ripple Controller Reciever & NA-Protection
C	Power supply Port	Power supply socket, connect to 12V power adapter

3. Mounting

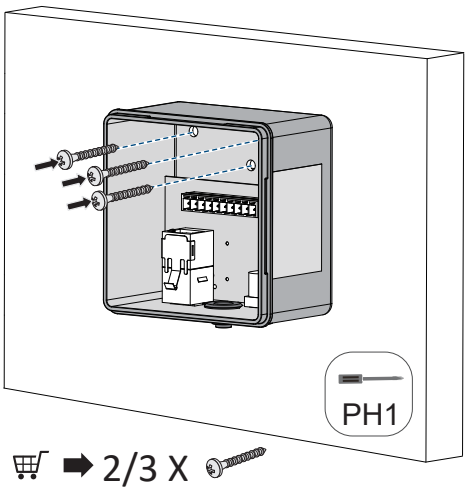
1



2

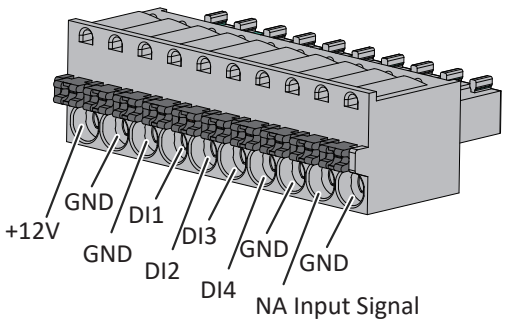


3

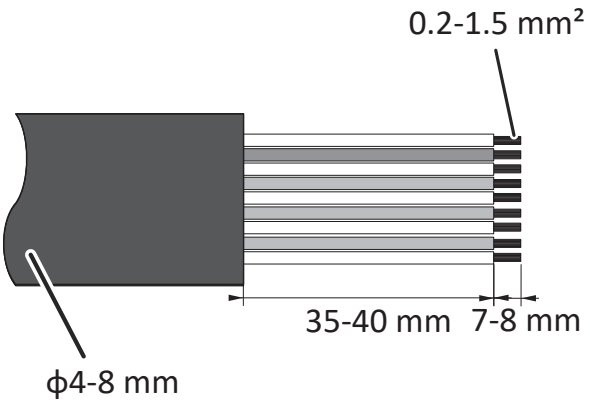


4. Inside Connection

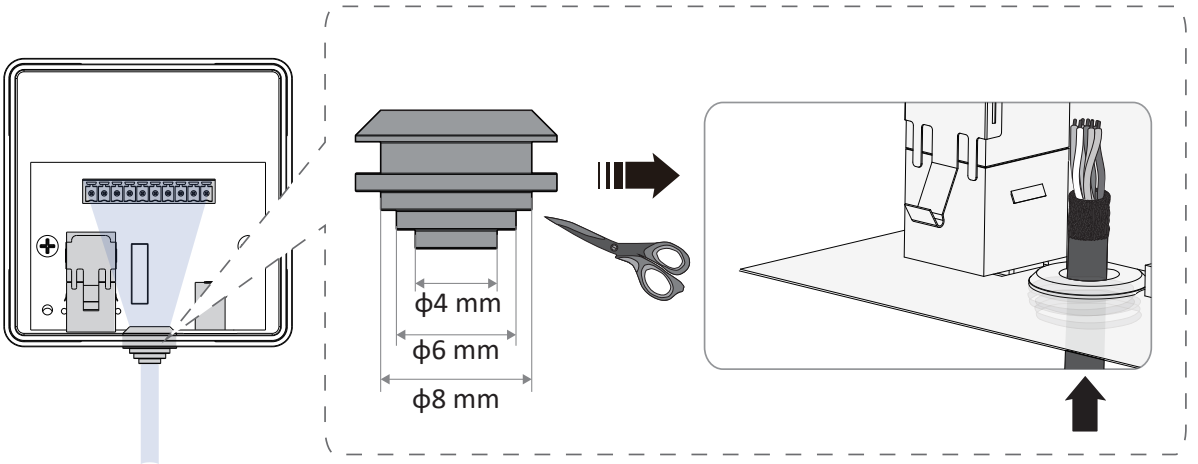
1



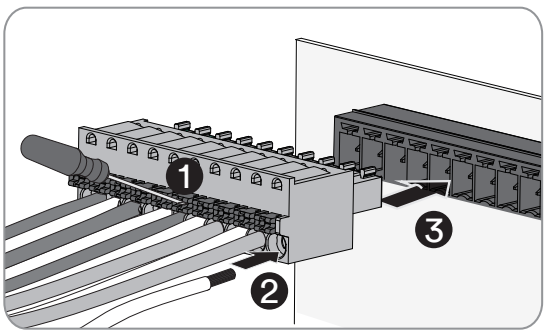
2



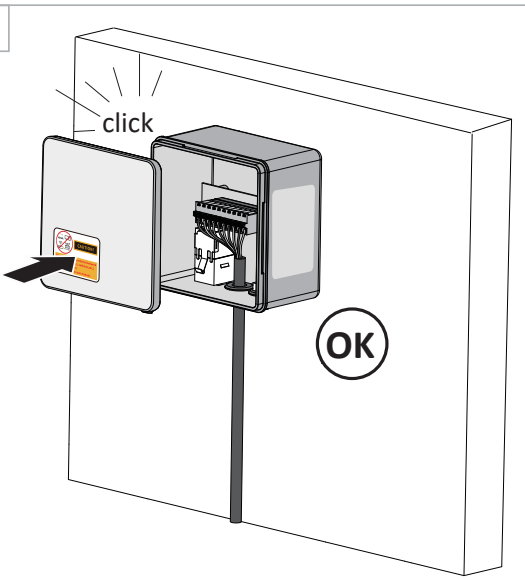
3



4

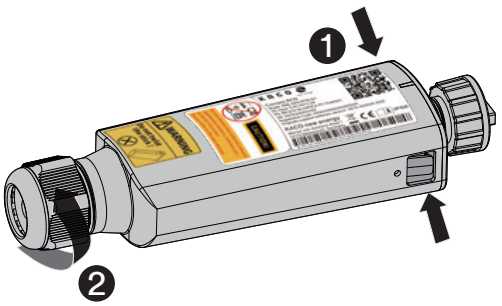


5

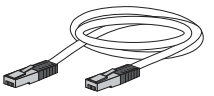


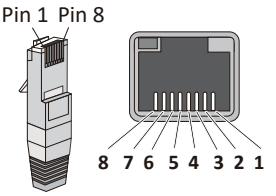
5. Connect-RCN (Communication device)

1



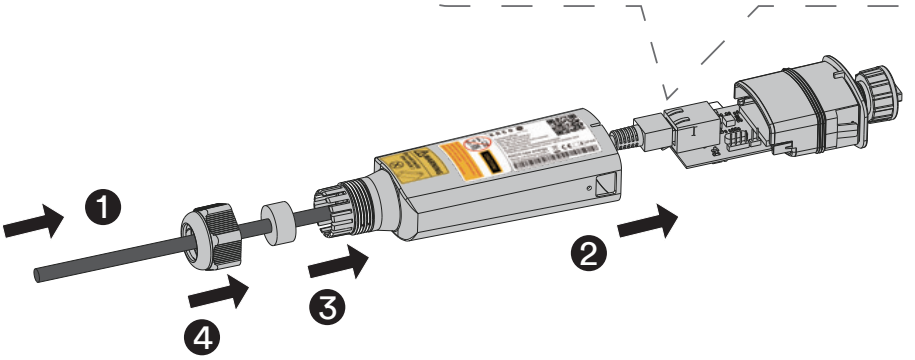
2



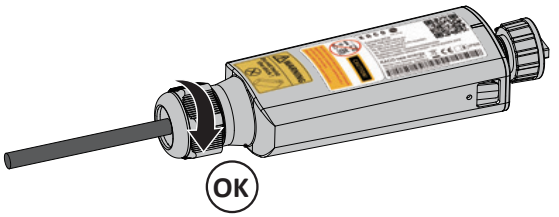


Pin 1=+12V
Pin 2=GND
Pin 3=DI1
Pin 4=DI2
Pin 5=DI3
Pin 6=GND
Pin 7=DI4
Pin 8=NA Input Signal

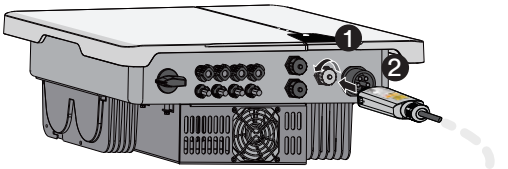
⚠ Patch cable: CAT 6E
Cable length: < 30m

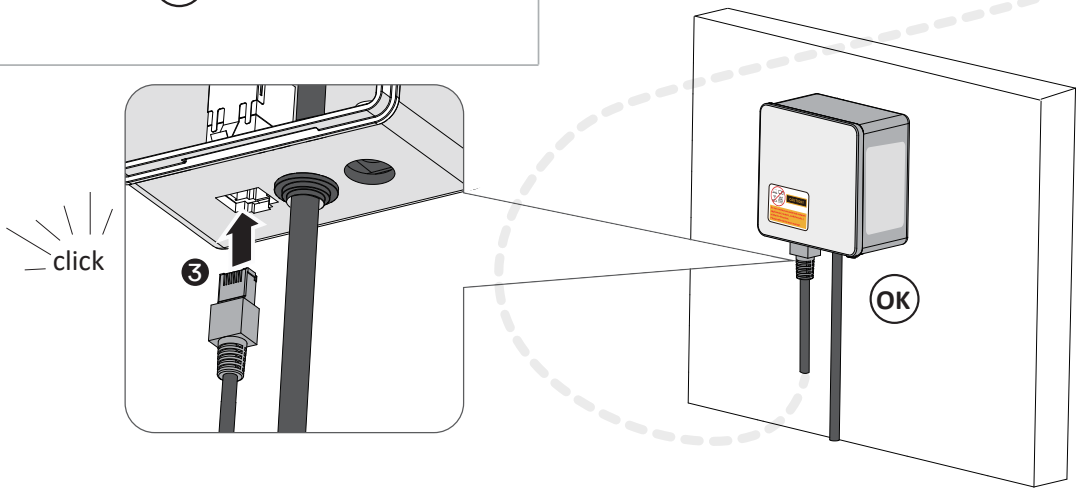


3

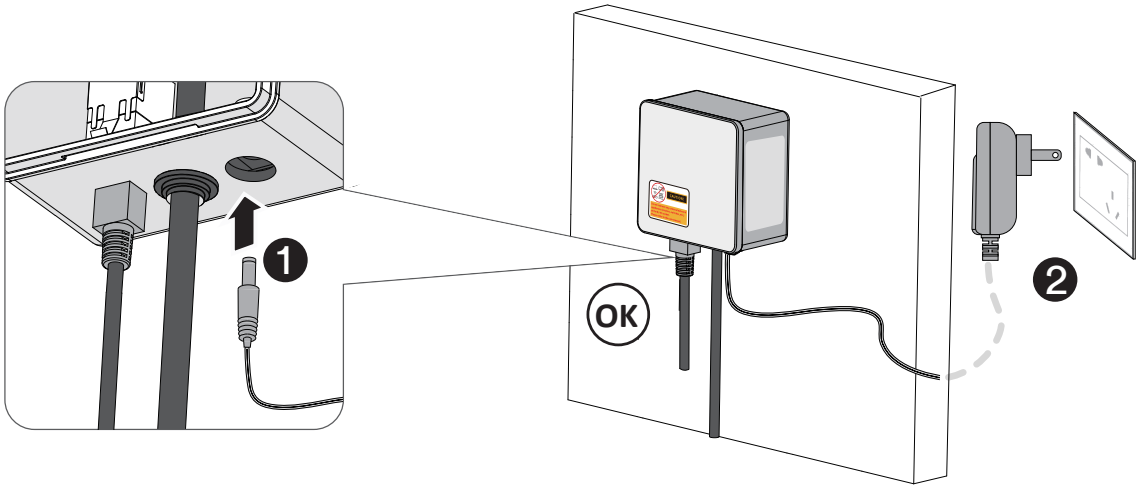


4

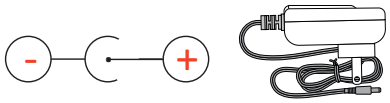




6. Power supply connection (optional)

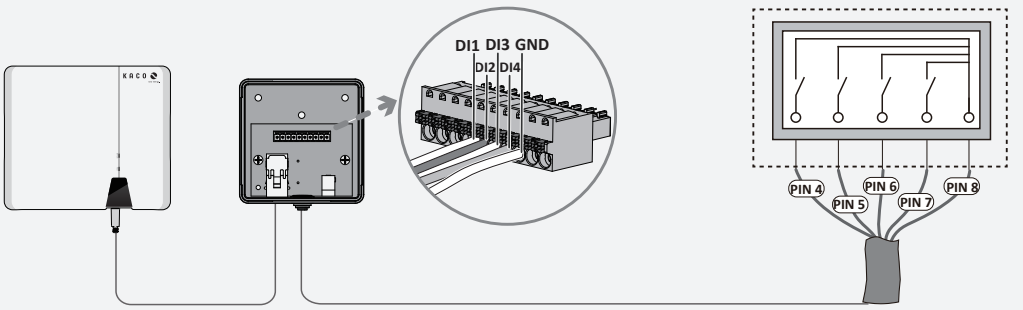


Optional: External power supply, for monitoring without DC power (at night)
Rated voltage: 12VDC (+/- 10%)
Rated current: min. 0.5A-3A
Connector: 5.5/2.1mm barrel connector



7. Connection (with RCN Connection-Box)

Ripple control connection

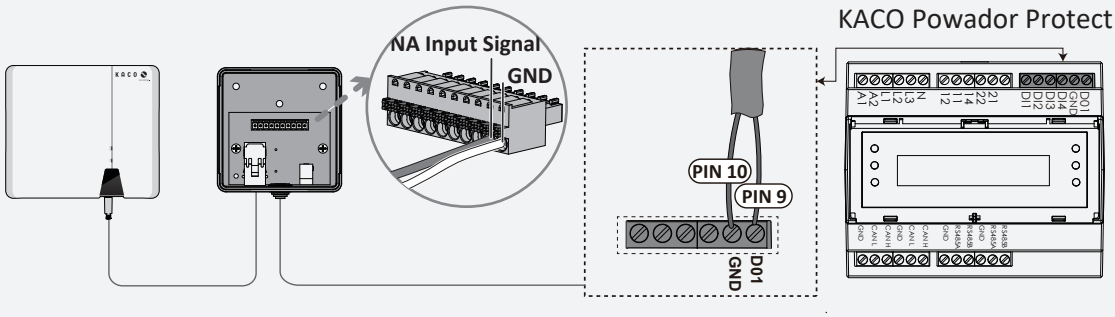


Ripple control signals:

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

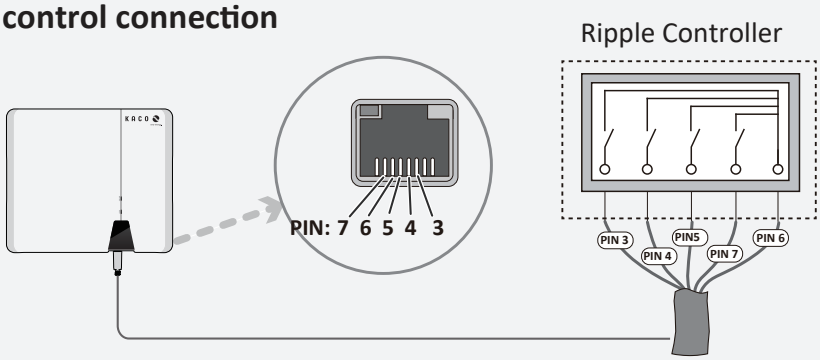
D1 (1)	D2 (2)	D3 (3)	D4 (4)	Output power (in % of the AC_{RPO})	
0	0	0	0		100%
1	0	0	0		100%
0	1	0	0		60%
0	0	1	0		30%
1	1	0	0		0%
1	1	1	1		

NA protection connection

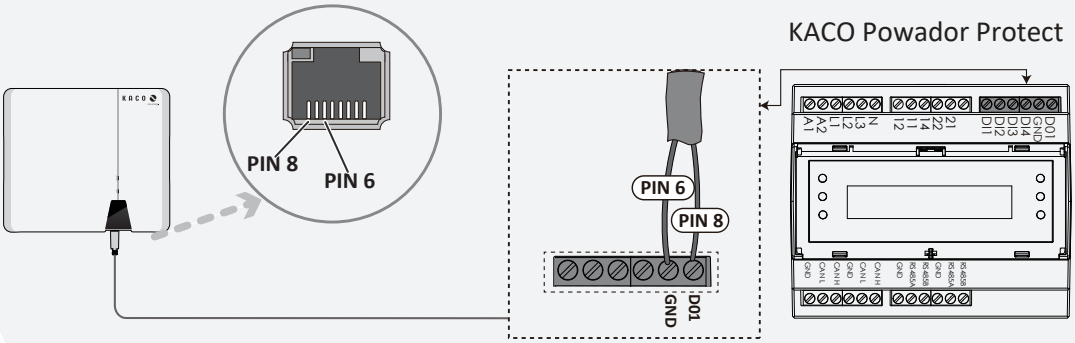


8. Direct Connection (without RCN Connection-Box)

Ripple control connection



NA protection connection



3016731-02-240912

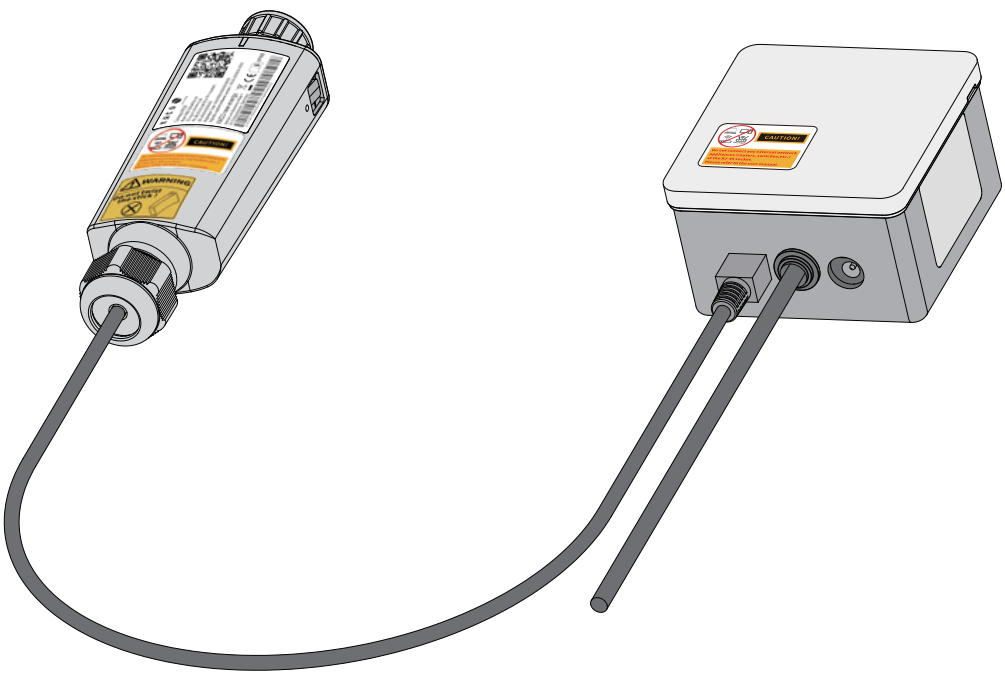
KACO

new energy.

Werner-von-Siemens-Allee 1 · 74172 Neckarsulm · Deutschland · Tel. +49 7132 3818-0 ·· info@kaco-newenergy.de · www.kaco-newenergy.de

KACO new energy.

RCN-KIT Kurzanleitung (DE)

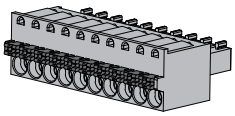


Für KACO blueplanet 3.0-20-0 NX3 M2

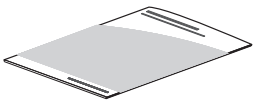
Bitte auch das Handbuch des Wechselrichters beachten

1. Lieferumfang

RCN Connection Box



Klemmleiste (10 pin) x1

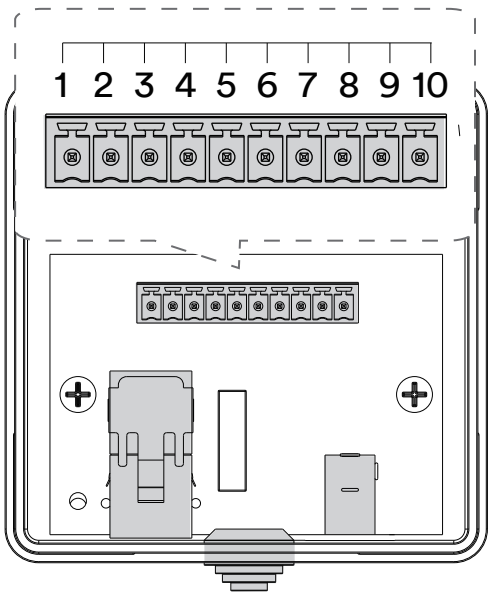


Kurzanleitung x1

Connect-RCN x1

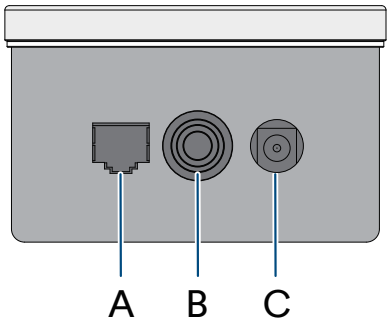
2. Übersicht Anschlussbereich

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

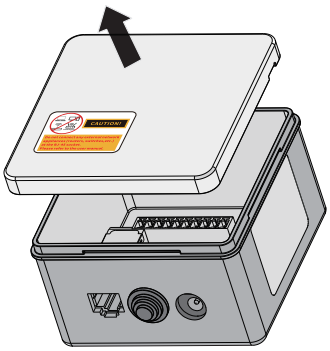
Belegung Anschlussbereich:



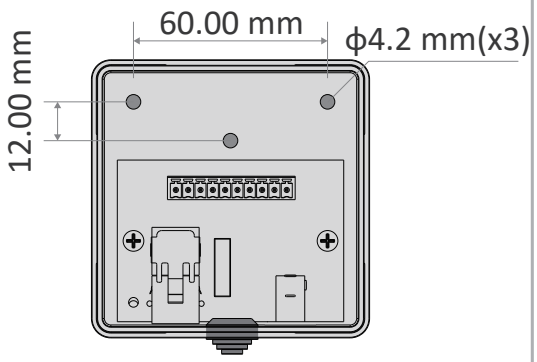
NO	Name	Beschreibung
A	RJ45-Buchse	Connect - RCN Anschluss
B	Kommunikationsanschluss - Knockout-Dichtung	Eingang für Rundsteuerempfänger und NA-Schutz
C	Stromversorgung Anschluss	12 V Netzteil Anschluss

3. Montage

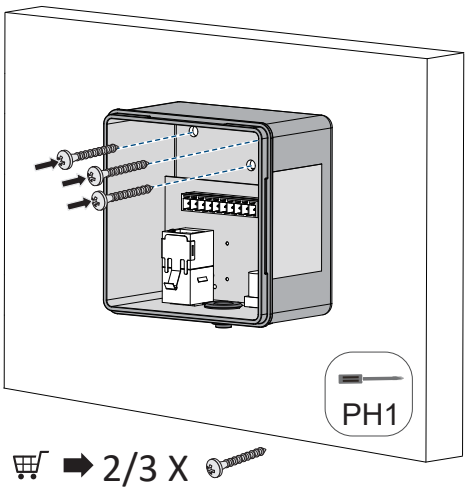
1



2

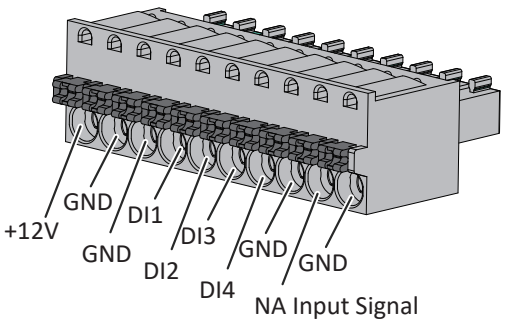


3

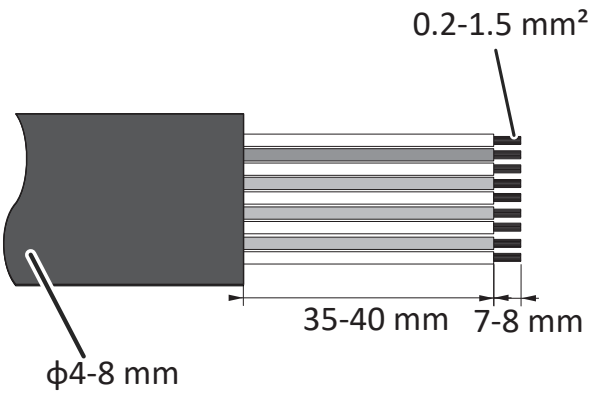


4. Verdrahtung

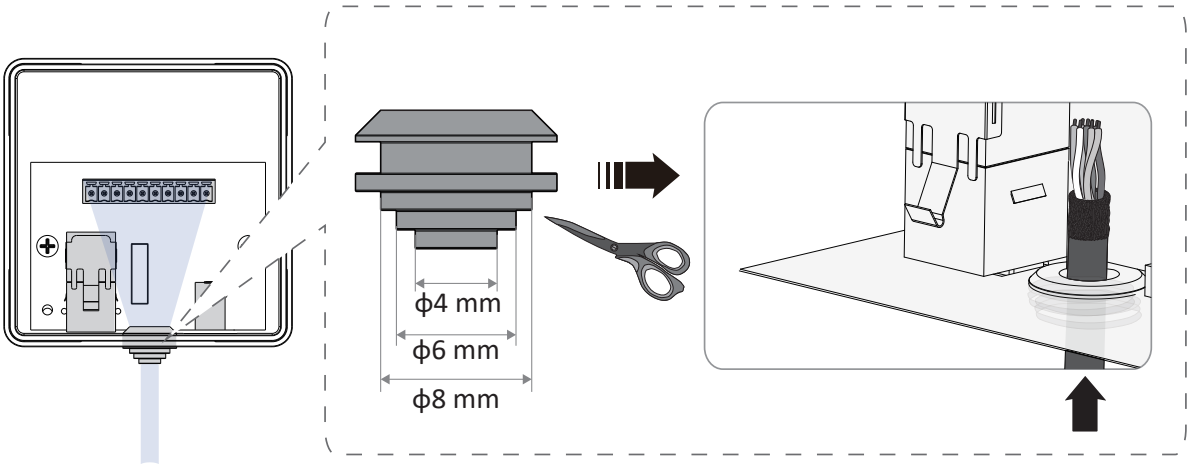
1



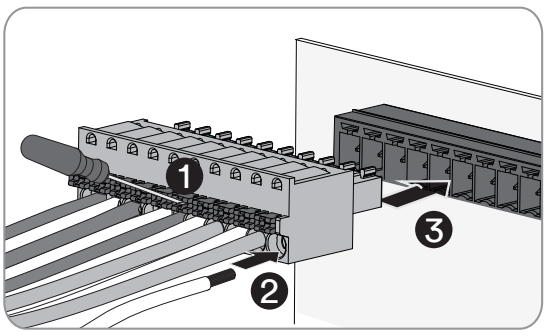
2



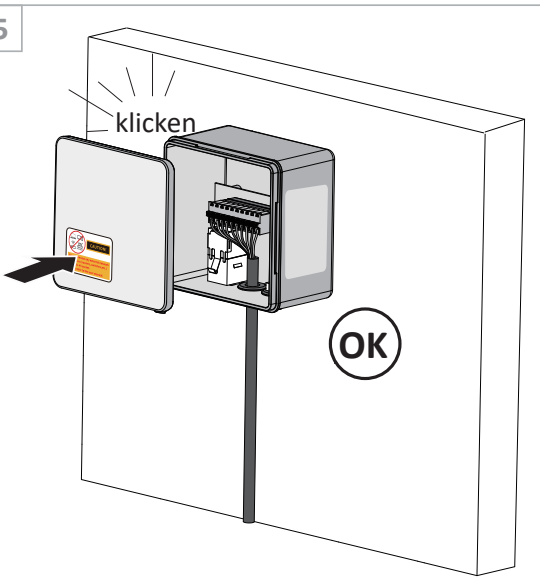
3



4

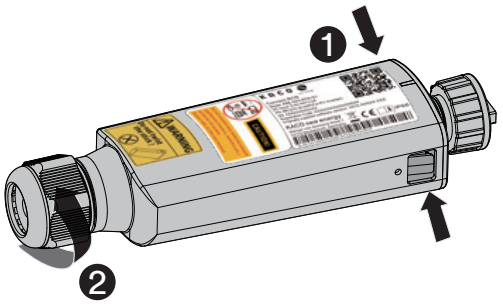


5

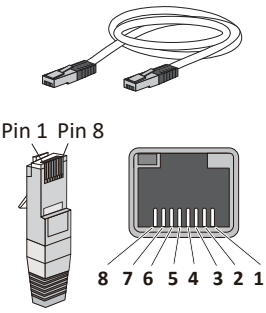


5. Kommunikations Einheit

1

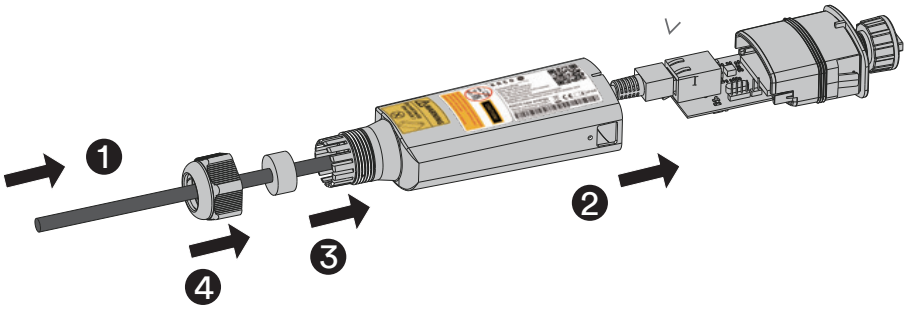


2

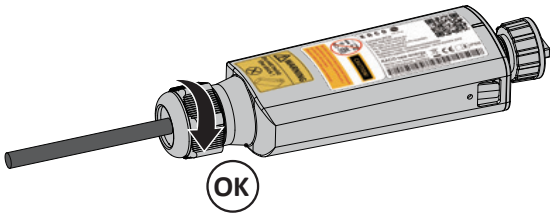


Pin 1=+12V
Pin 2=GND
Pin 3=DI1
Pin 4=DI2
Pin 5=DI3
Pin 6=GND
Pin 7=DI4
Pin 8=NA Input Signal

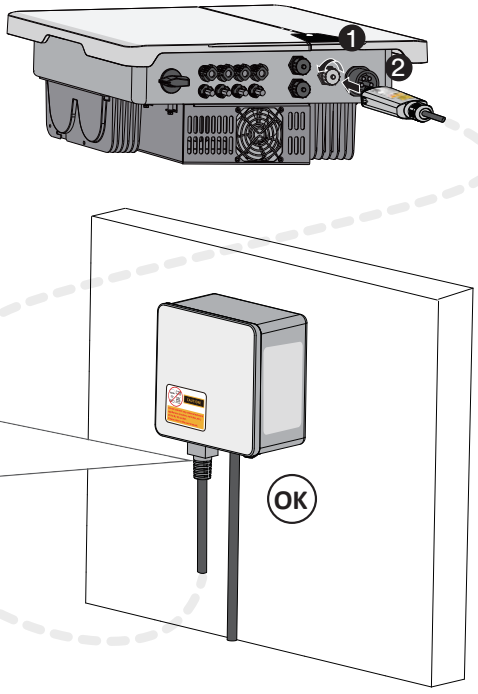
Patch-Kabel: CAT 6E
Kabellänge: < 30m



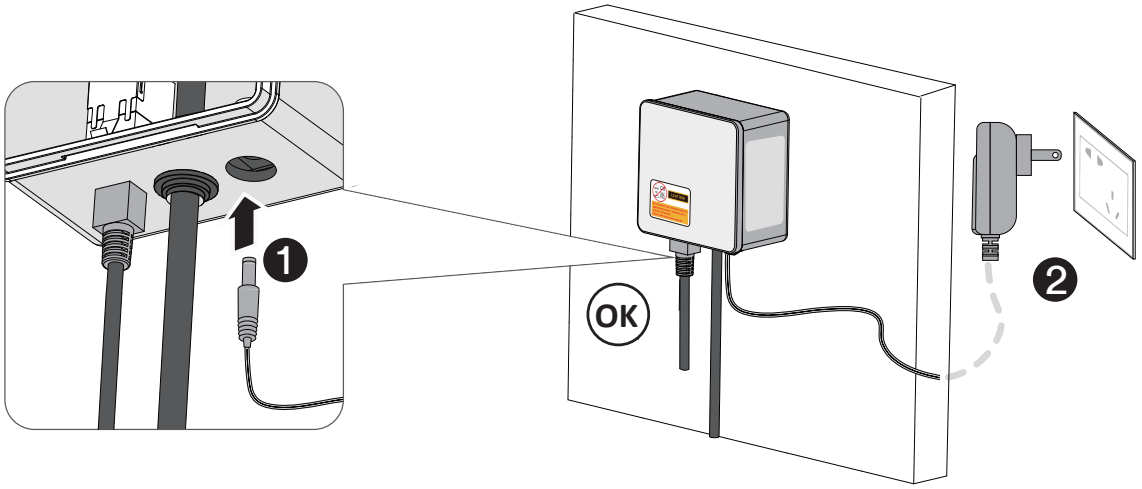
3



4



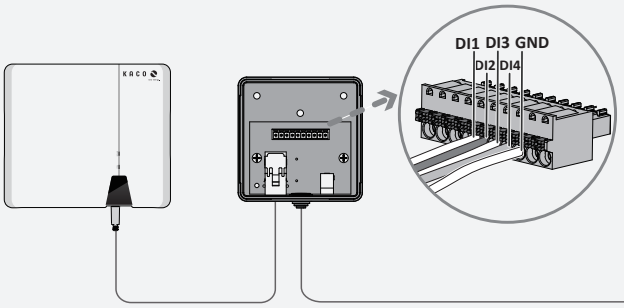
6. Netzteilanschluss (optional)



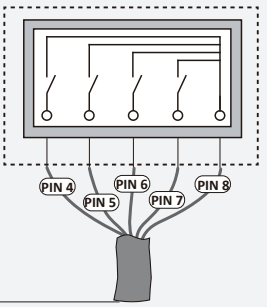
Optional: Externe Stromversorgung für Monitoring ohne DC (Nachts)
Nennspannung: 12VDC (+/- 10%)
Nennstrom: min. 0,5A-3A
Stecker: 5,5/2,1-mm-Steckverbinder

7. Anschluss (mit RCN Connection-Box)

Rundsteuerempfänger Anschluss



Rundsteuerempfänger

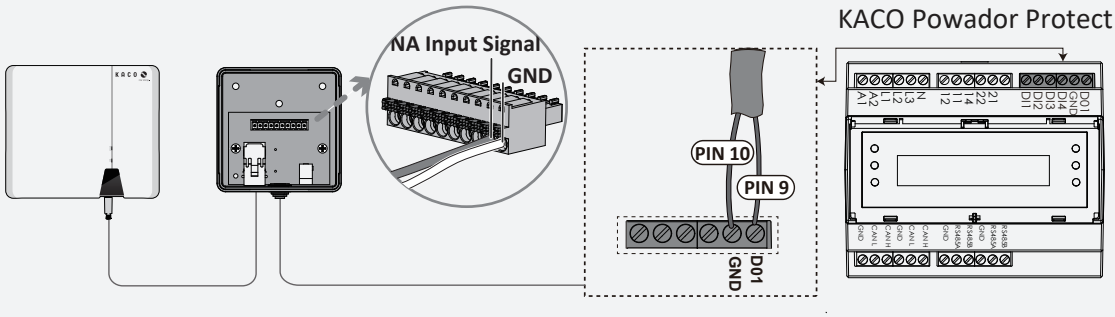


Rundsteuerempfänger Signale:

Bitte beachten:
1 bedeutet, der entsprechende Eingang muss auf GND geschaltet sein
0 bedeutet, der entsprechende Eingang bleibt offen bzw. nicht angeschlossen

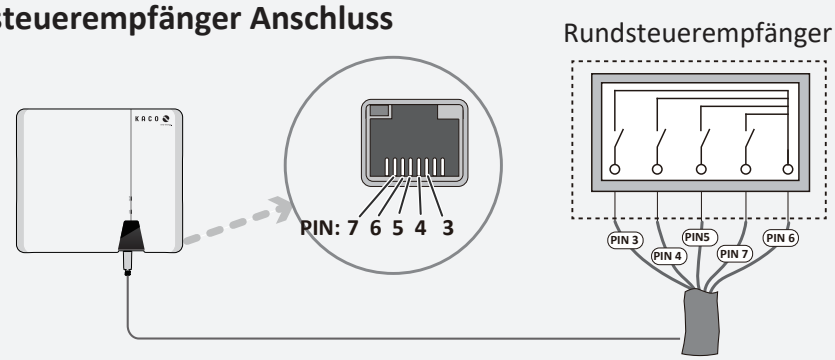
D1 (1)	D2 (2)	D3 (3)	D4 (4)	Output power (in % of the AC_{RPO})	
0	0	0	0		100%
1	0	0	0		100%
0	1	0	0		60%
0	0	1	0		30%
1	1	0	0		
1	1	1	1		0% (Disconnect from grid)

NA-Schutz Anschluss

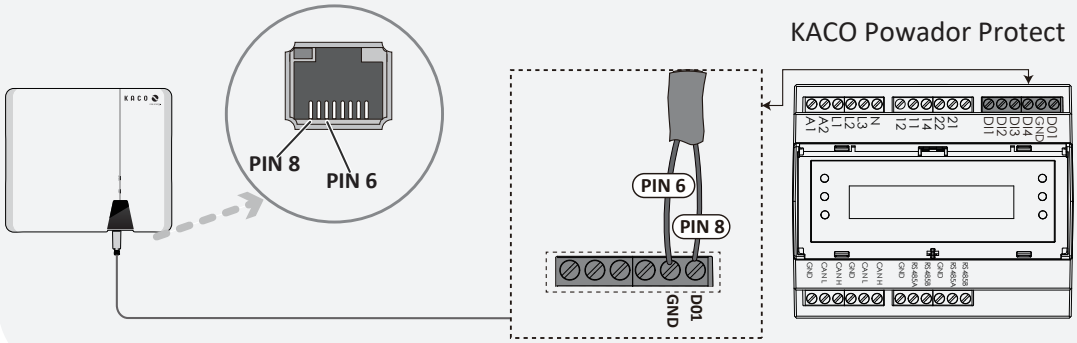


8. Direktanschluss (ohne RCN Connection-Box)

Rundsteuerempfänger Anschluss



NA-Schutz Anschluss



3016731-02-240912

KACO new energy.

Werner-von-Siemens-Allee 1 · 74172 Neckarsulm · Deutschland · Tel. +49 7132 896-0 ·· info@kaco-newenergy.de · www.kaco-newenergy.de