

# Contact us

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Warning! Installation by person with electrotechnical expertise only.  
Warnung! Installation nur durch elektrotechnische Fachkraft.  
Avvertenza! Fare installare solo da un elettricista qualificato.



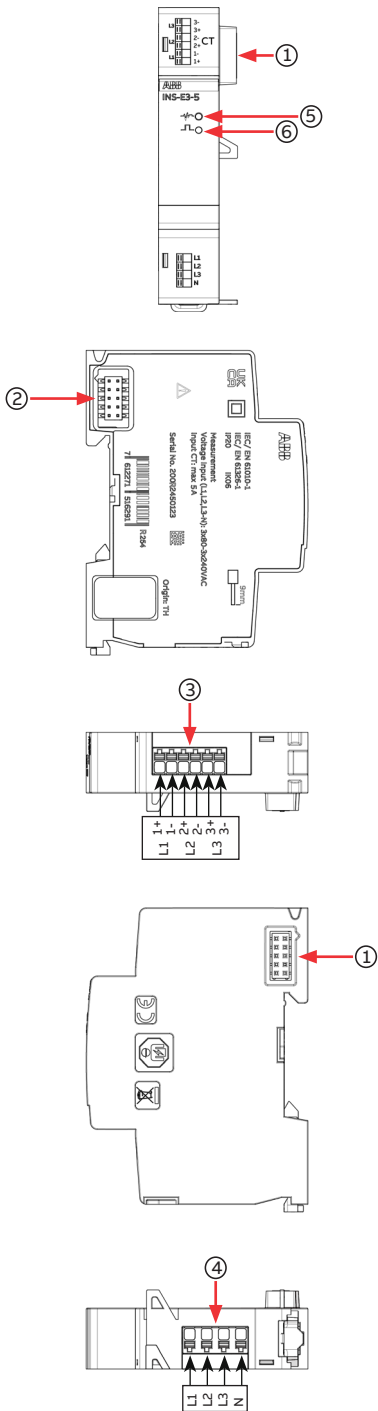
QR Code for online Installation Manual.

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## 1.Packaging Content

- INS-E3-5
- Installation manual

## 2.Product overview



Description	
1	Modular bus connector (output)
2	Modular bus connector (input)
3	CTS current transformers for CT1 (L1), CT2 (L2), CT3 (L3)
4	Voltage measurement L1, L2, L3, N
5	Status LED
6	kWh pulses LED

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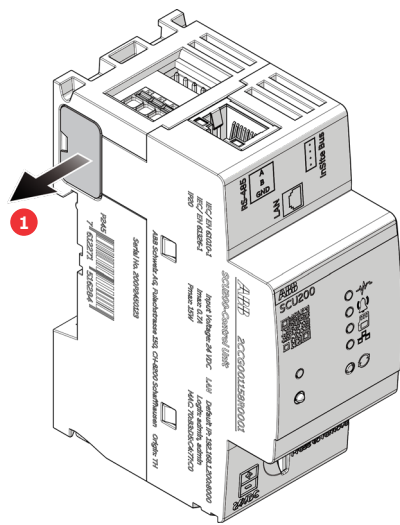
## InSite energy management system INSTALLATION MANUAL

### InSite energy meter module INS-E3-5

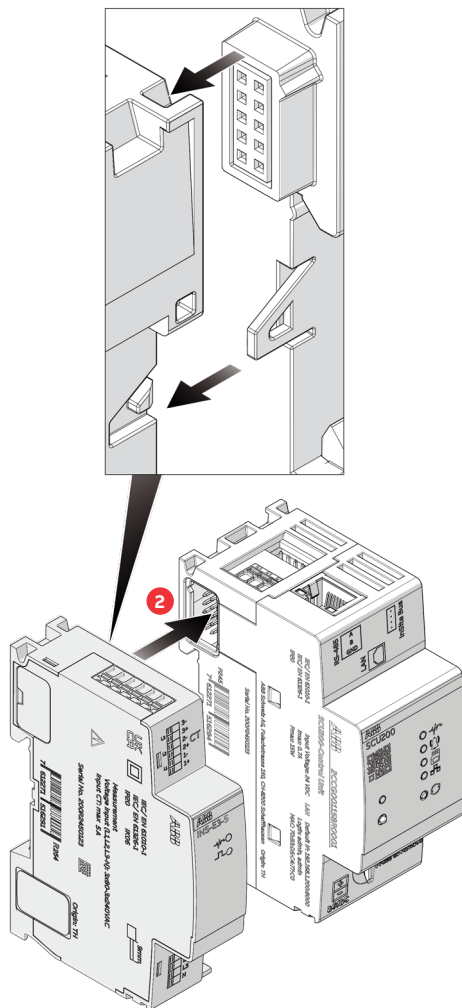
## 3.INS-E3-5 on 35mm DIN-Rail

### 3.1.Connection to SCU200

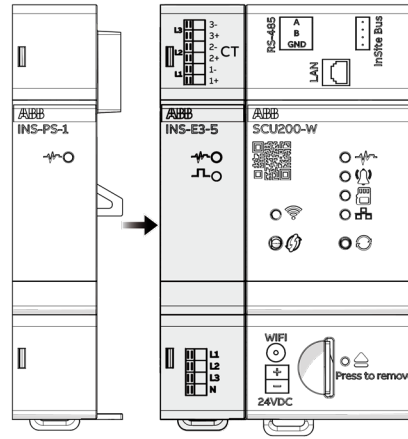
To connect expansion modules remove the flap covering the input connectors of SCU200.



Insert the connector plug placed on the right side of the InSite expansion module. Pay attention to the correct interlocking between modules.

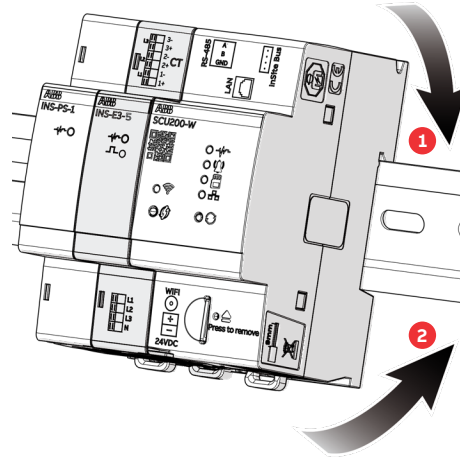


## 3.2.Connection to additional modules of InSite

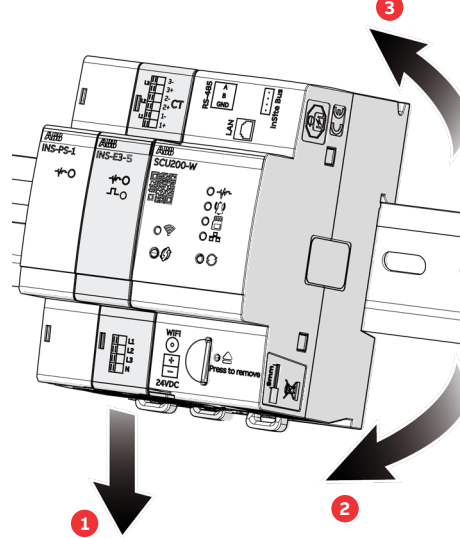


**Attention:** In case one or more expansion modules have to be added to SCU200 / SCU200-W plug them all first before assembling on DIN-Rail bar.

### 3.3.Assembly on DIN-Rail

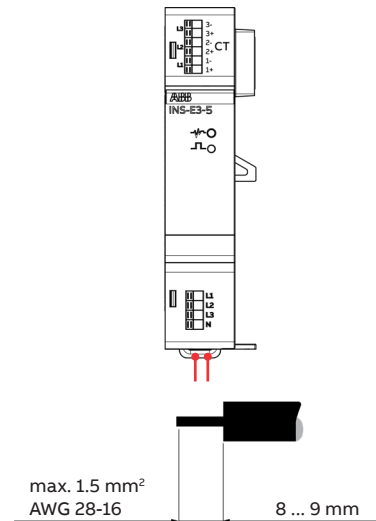


### 3.4.Disassembly on DIN-Rail



## 4.Connection diagram

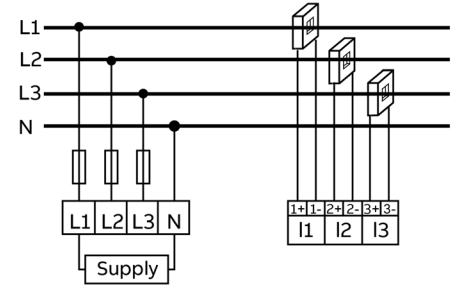
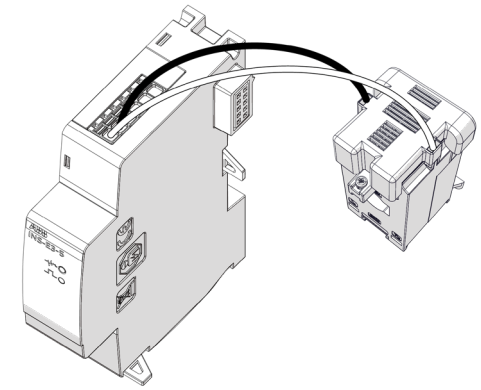
After mounting the modules on the DIN RAIL, proceed with the connection of the cables.



Connect the number of phases desired to the voltage measurement inputs. It is desirable to use L1 & N for one phase network and L1, L2, L3 & N for three phase with neutral network.

## 4.1.Connection diagram only for CTS family

In case of three phase network, proceed in the same way for the remaining current transformers.



**Attention:** It is mandatory to connect the source (separate) L1,L2,L3,N for proper functioning of the module.

Install device single phase (L1-N) or three phase (L1,L2,L3,N)

**Attention:** Referring to the diagram in the figure aside, please note that N on the supply has to be connected in order to avoid damage of the device. Swapping the phase and neutral can damage the device.

**Attention:** Do not clamp or pull out non insulated conductors carrying voltage which could cause shock, burn or arc flash (IEC 61010).

**Attention:** Assemble correctly the correspondent phase to CT line (e.g. L1 with CT1).

**Attention:** Only one cable SHALL pass through the sensor

**Attention:** Always use a dry cloth for cleaning, disconnect power to the system before connecting any module, no hot plug is allowed.

**Attention:** The connection of INS-E3-5 to other devices of the system does not compromise the security of the device itself.

## 5.Setting and configuration

Detailed explanation to access web User Interface is reported in section "5. Access to control unit and configuration wizard" of the user manual. How to configure the system is detailed in section "6. WebUI" of the user manual.



Download User Manual.

