

Quick Start Guide

Fronius Smart Meter 63A-1



[manuals.fronius.com/
html/4204260294](https://manuals.fronius.com/html/4204260294)

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INFORMATION**



Technical Data - General	
Nominal voltage (one-phase) / Operating range	230 V / $\pm 10\%$
Nominal frequency / tolerance	50 - 60 Hz / 49 - 61 Hz
Nominal / Maximum current	10 A / 63 A
Powerfactor range (EN/IEC 62053-21, EN/IEC 62053-23)	$\cos\phi$ 0.5 ind to 0.8 cap
Permitted ambient temperature	from -25° to $+55^{\circ}\text{C}$
Mounting	DIN rail 35 mm
IP range (EN60529)	IP51 / IP20 (Front / Connections)

Communication	
Standard	RS485 - 3 conductors
Protocol	Modbus RTU
Min. Softwareversion	Datamanager 3.7.2 / Fronius Symo Hybrid 1.3.3

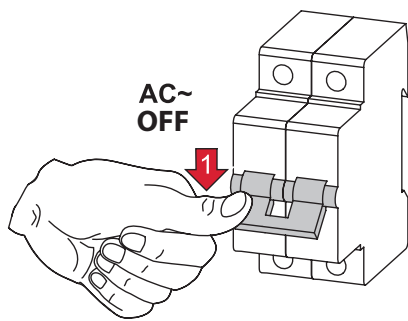
Screw terminal	
Measuring input	1 - 16 mm ² rigid 1 - 10 mm ² flexible
Output (data communication)	0,05 - 4 mm ² rigid / 0,05 - 2,5 mm ² flexible
Recommended torque	Measuring input: 1,2 Nm / max. 1,4 Nm Output: 0,5 Nm / max. 0,8 Nm

Detailed, country-specific warranty terms are available on: www.fronius.com/solar/warranty

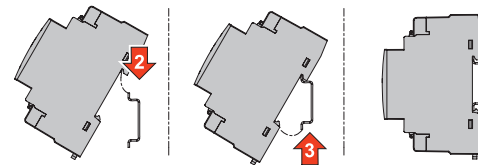
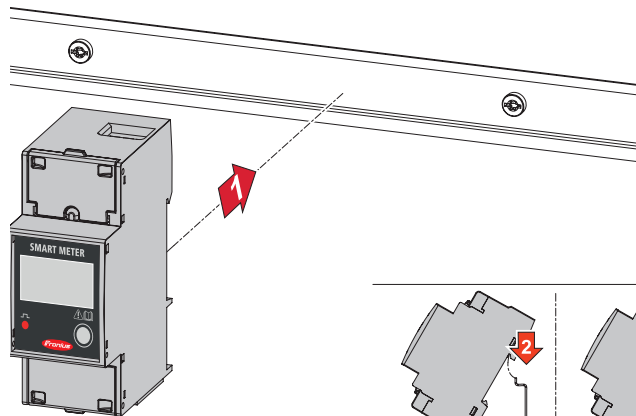
AC~

Mounting

1

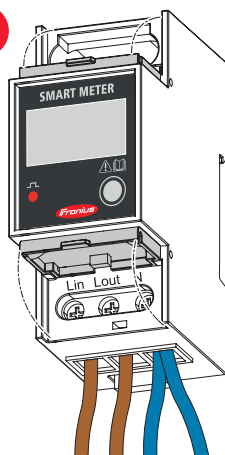


2



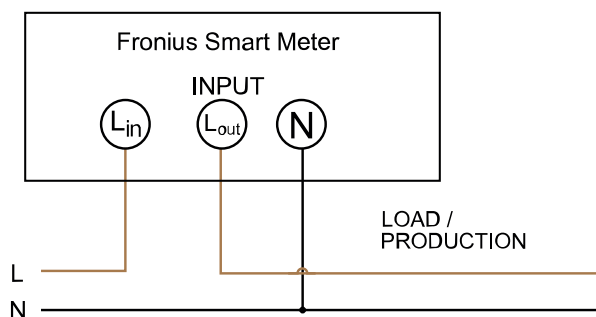
Power wiring

3



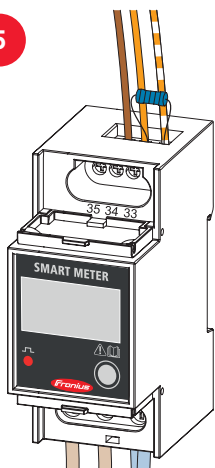
CU Wire	
	1-16 mm ²
	1-10 mm ²
	1,2-1,4 Nm
In	Out
L1	Lin Lout
N	N N

4



Data wiring

5



CU Wire	
	0,05-4 mm ²
	0,05-2,5 mm ²
	0,5-0,8 Nm

120 Ω	Terminating Resistor
	33 34

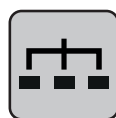
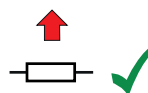
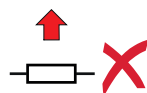
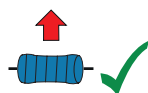
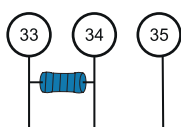
SnapINverter	
	D+
	D-
	-

Smart Meter	
	33
	34
	35

GEN 24	
	M1+
	M1-
	GND

Terminating Resistor

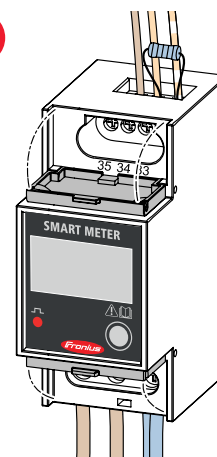
6



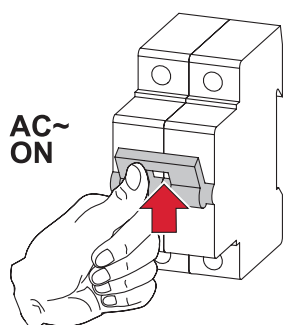
max. 300 m

Close & Commissioning

7



8



9

1x page up / value up

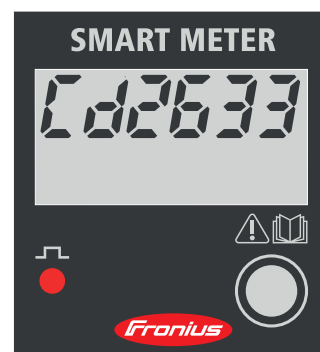


2 sec adjust / confirm



10

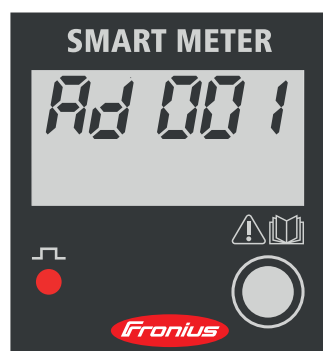
Set / confirm password



Factory default: 2633

11

Set / confirm modbus address (1-14)



Factory default: 001

12



Fronius Solar.start



download / update

