

Quick Start Guide

Fronius Smart Meter TS 65A-3



[manuals.fronius.com/
html/4204260349](https://manuals.fronius.com/html/4204260349)

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INFORMATION**



Technical Data - General	
Nominal voltage (three-phase) / Operating range	208 - 400 V / 166,4 - 480 V
Nominal frequency / Tolerance	50 - 60 Hz / 45 - 65 Hz
Nominal / Maximum current	5 A / 65 A
Powerfactor range (EN/IEC 62053-21, EN/IEC 62053-23)	aktiv $\cos\phi$ 0.5 ind to 0.8 cap reaktiv $\sin\phi$ 0.5 ind to 0.5 cap
Permitted ambient temperature	from -25° to +65°C
Mounting	DIN rail 35 mm
IP range (EN60529)	IP51 / IP20 (Front / Connections)

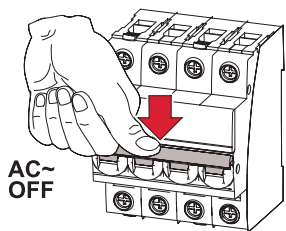
Communication	
Standard	RS485 - 3 conductors
Protocol	Modbus RTU
Min. Softwareversion	Datamanager 2.0: 3.16.1 / Fronius Symo Hybrid: 1.16.1 / Fronius GEN24: 1.12.1

Screw terminal	
Measuring input / neutral line	1 - 16 mm ²
Output (data communication)	min. 0,05 mm ²
Recommended torque	Measuring input: max. 2,8 Nm Output: max. 0,4 Nm

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

AC~

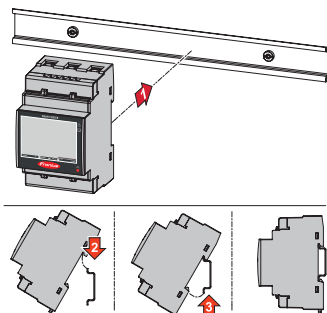
1



AC~
OFF

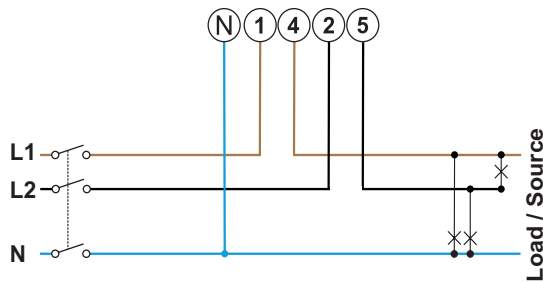
Mounting

2



Power Wiring

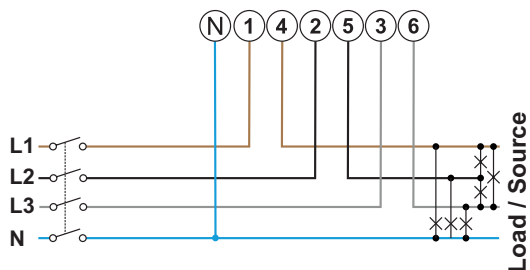
3a



2 Phases, 3 Wires

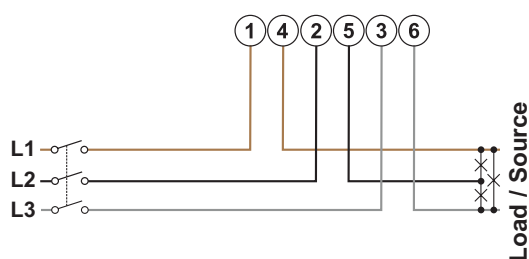
CU Wire	
1-16 mm ²	
1-10 mm ²	
2,8 Nm	
0,4 Nm	
In	Out
L1 1	4
L2 2	5
L3 3	6
N N	N

3b



3 Phases, 4 Wires

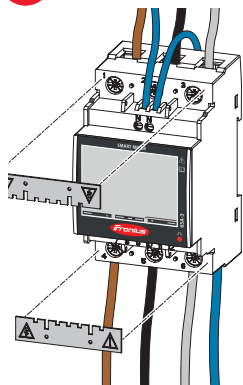
3c



3 Phases, 3 Wires

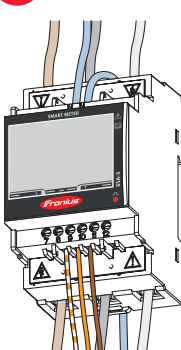
Protective Covers

4



Data Wiring

5

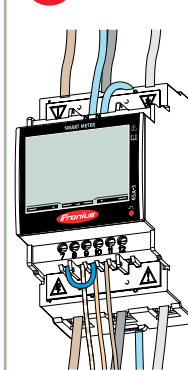


CU Wire
(min CAT5)
≥0,05 mm²
0,4 Nm

SnapInverter		GEN24	
Smart Meter	Modbus	Smart Meter	Modbus
8	D+	8	M0+
9	D-	9	M0-
10	-	10	GND

Terminating Resistor

6



CU Wire
≥0,05 mm²
0,4 Nm

Bypass (cable)	
T	M-
7	9

Close & Commissioning

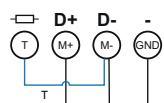
7



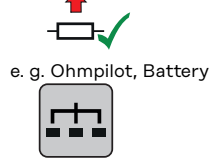
Manufacturer manual



Manufacturer manual



Smart Meter



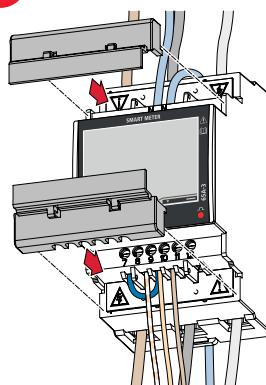
e. g. Ohmpilot, Battery



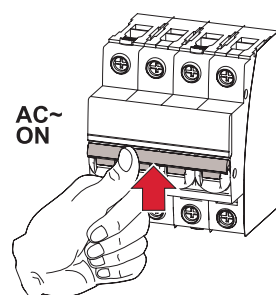
Inverter

max. 300 m

8

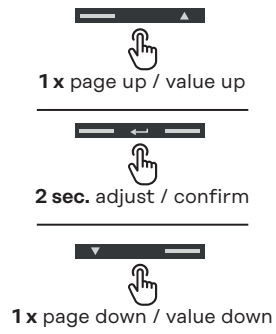


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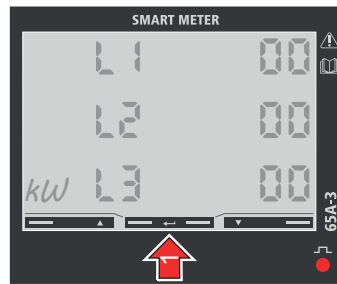


AC~
ON

10

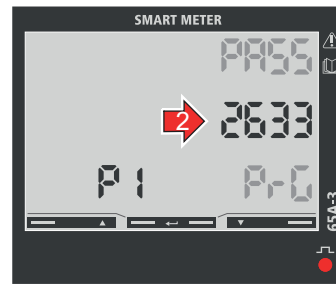


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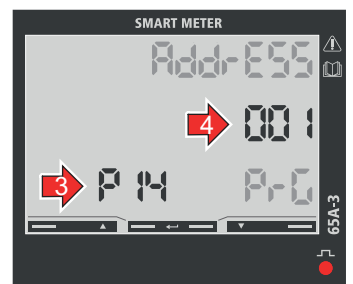
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Password

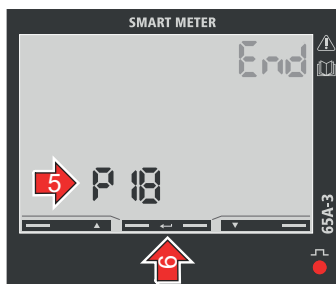
Factory default: **2633**

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Modbus Address

Factory default: **001**

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Exit

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