

Quick start guide

SolvisPia 13/17

Installation aid for electrical installation



1 SolvisPia with SolvisBen/SolvisMax Hybrid

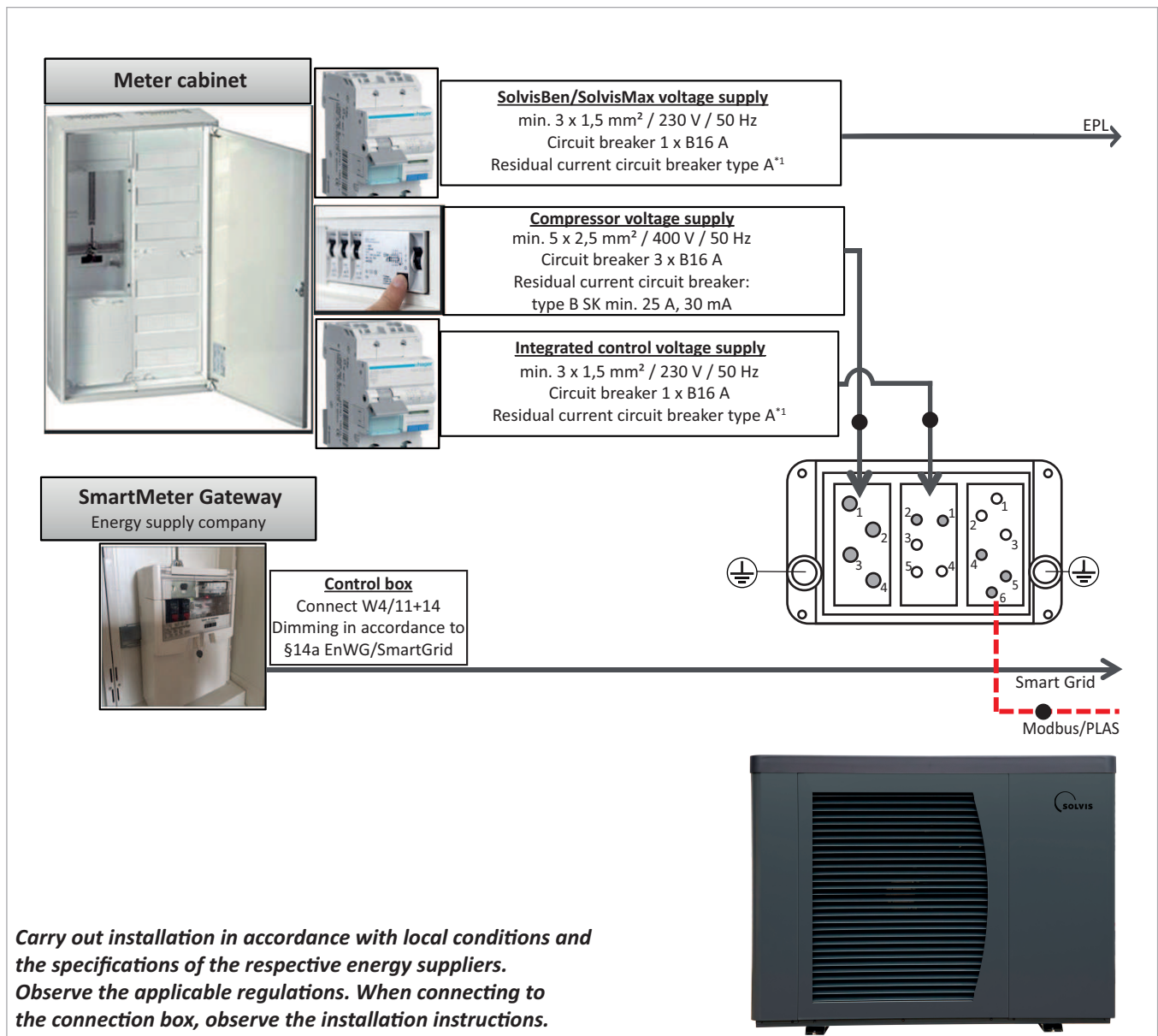
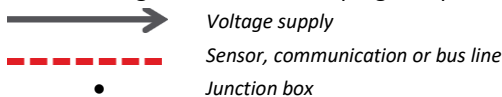
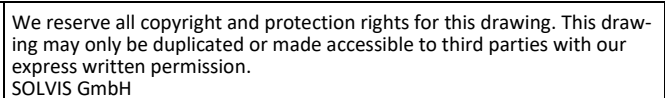


Fig. 1: SolvisBen/SolvisMax Hybrid installation aid with SolvisPia 13/17 and utility supply company connection - Part 1

For the wiring of the connector plug and permissible cable types → see fig. 5, page 6.



- PL Mains circuit board
- EPL Expansion board
- *¹ Residual current circuit breakers (RCDs) can be used together for the labelled assemblies depending on the rated current. Separate RCDs are recommended for fail-safe operation.
- *² Included in the scope of delivery.
- *³ We recommend the residual current circuit breaker Doepke DFS 4 025-4/003-B SK (accessories, please order separately / see → SolvisPia installation instructions (MAL-PIA-1317)).



2 SolvisPia with SolvisBen WP/SolvisMax Solo

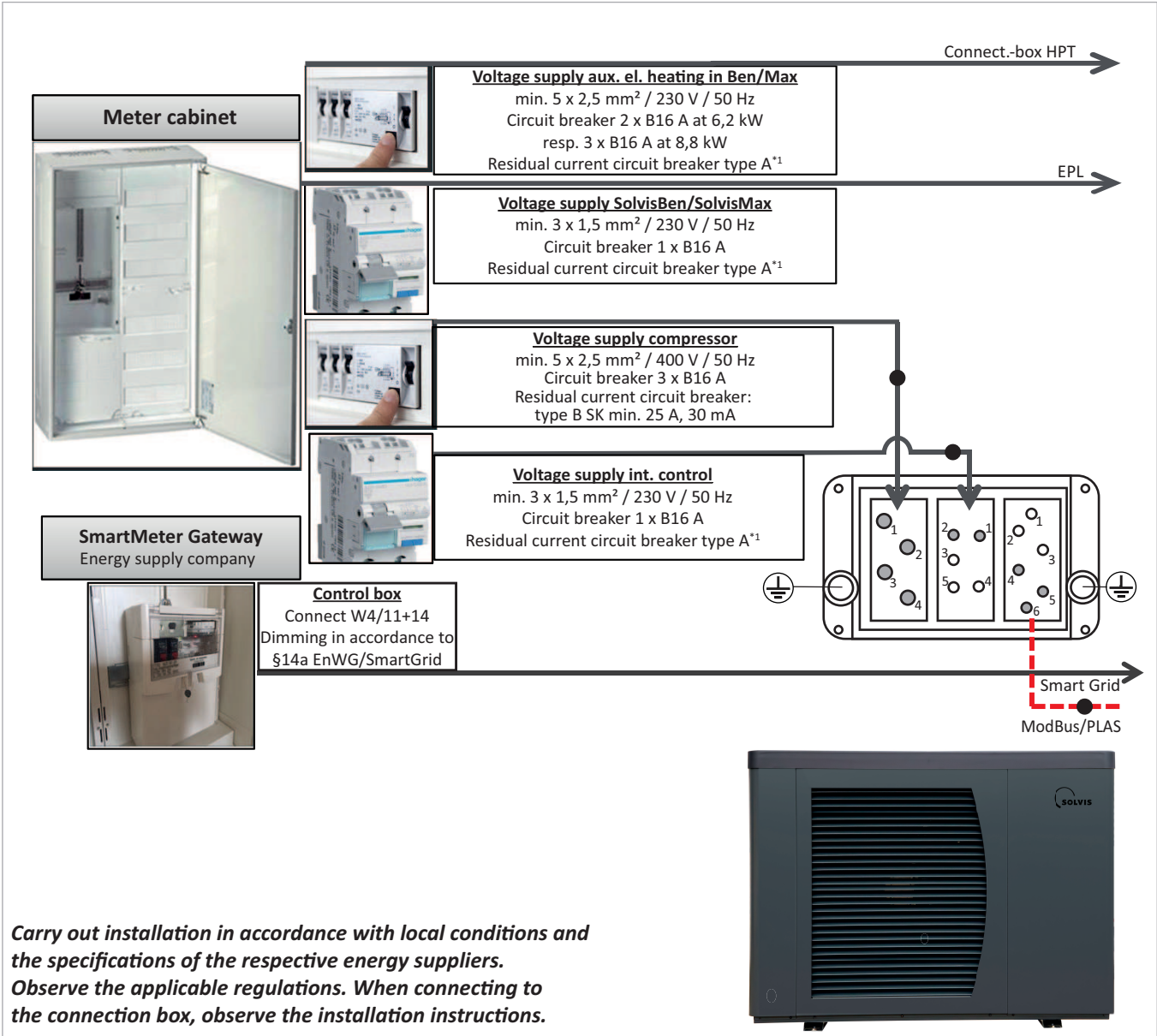
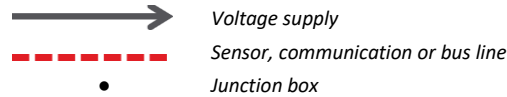


Fig. 3: SolvisBen WP/SolvisMax Solo installation aid with SolvisPia 13/17 and utility supply company connection - Part 1

For the wiring of the connector plug and permissible cable types → see fig. 5, page 6.



- PL Mains circuit board
- EPL Expansion board
- *¹ Residual current circuit breakers (RCDs) can be used together for the labelled assemblies depending on the rated current. Separate RCDs are recommended for fail-safe operation.
- *² Included in the scope of delivery.
- *³ We recommend the residual current circuit breaker Doepke DFS 4 025-4/003-B SK (accessories, please order separately / see → SolvisPia installation instructions (MAL-PIA-1317)).
- *⁴ In contrast to the illustrated PLAS-WP-WM (2-pipe), a 1-pipe PLAS can be installed (e.g. with SolvisBen WP). In this case, no Modbus box is installed on the PLAS.

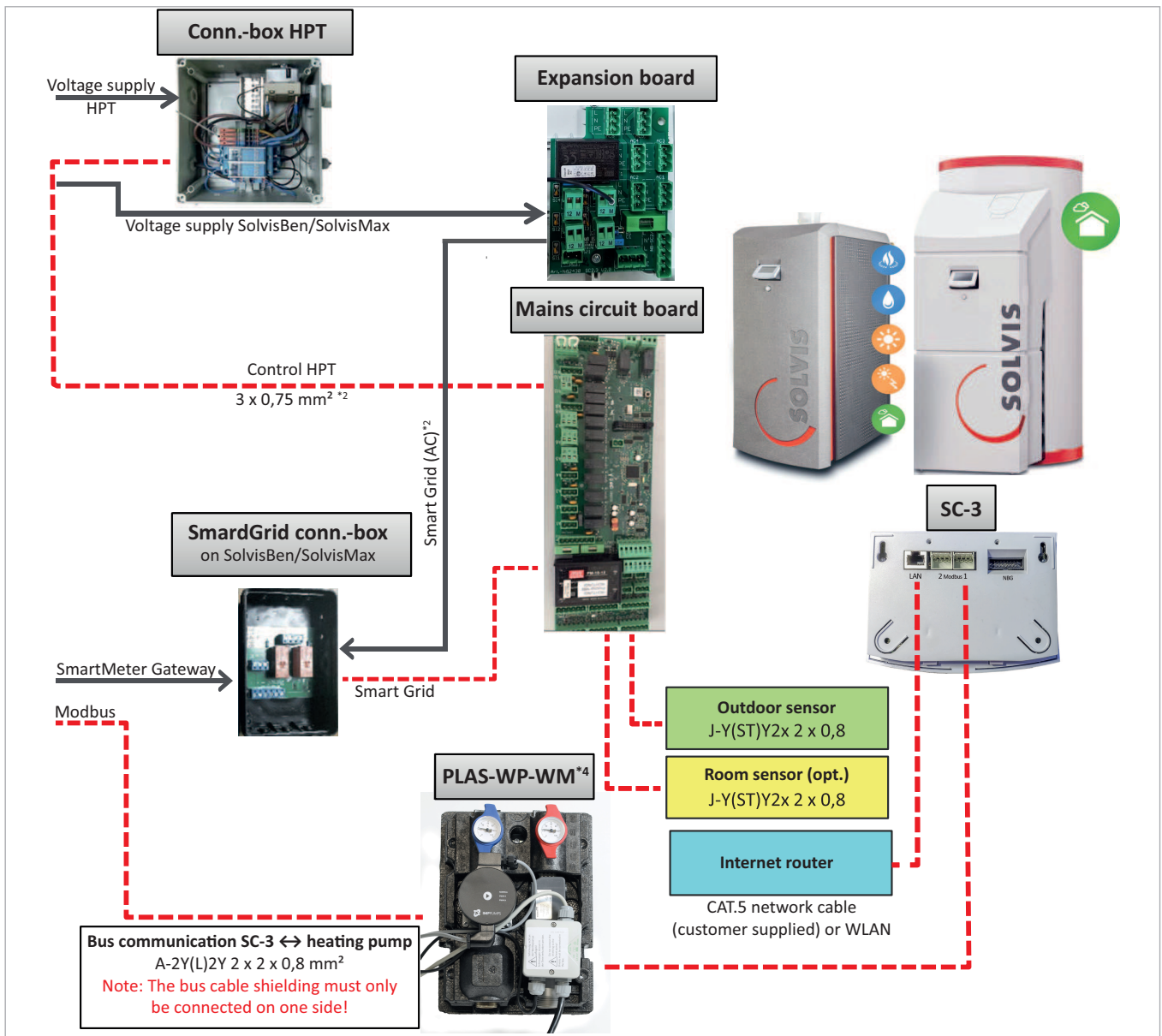


Fig. 4: SolvisBen WP/SolvisMax Solo installation aid with SolvisPia 13/17 and utility supply company connection - Part 2

This diagram is not a substitute for detailed technical planning. To ensure the correct function of the system, our installation, operating and maintenance instructions must be followed. When establishing a network connection, do not rely solely on the information provided – always consult the network operator.

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3 Plug connection

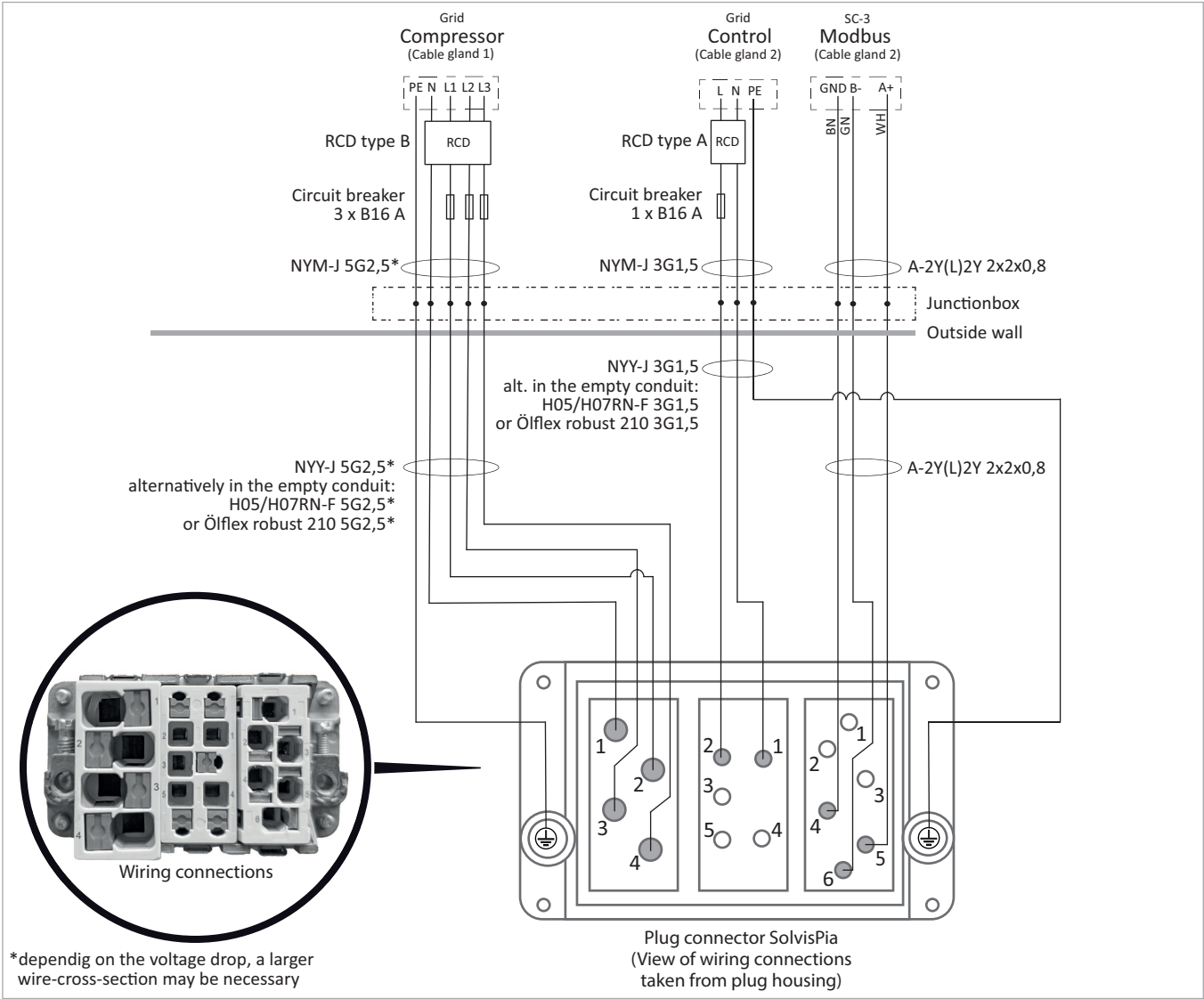


Fig. 5: Plug/connection assignment diagram for SolvisPia 13/17

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Electrical data

Designation	Unit	SolvisPia 13	SolvisPia 17
Max. power consumption (without emergency heating)	[kW]	8.2	8.5
Power consumption for emergency heating (installed on the buffer tank for heat pump systems)	[kW]	6.2 (two-stage, connection 2L/N/PE) 8.8 (three-stage, connection 3L/N/PE)	
Protection class	[-]	IP14	
Frequency	[Hz]	50	
Max. operating current compressor	[A]	10	12
Compressor starting current	[A]	< 12	< 16
Max. operating current control unit	[A]	6	
Compressor protection	[-]	3x B16 A	
Emergency heating protection	[-]	2x B16 A (6.2 kW) / 3x B16 A (8.8 kW)	
Controller protection	[-]	B16 A	
Compressor phases	[-]	3L/N/PE	
Emergency heating phases	[-]	2L/N/PE (6.2 kW) or 3L/N/PE (8.8 kW)	
Controller phases	[-]	L/N/PE	
Emergency heating rated voltage	[V]	230	
RCD type for compressor	[-]	Type B SK, residual current 30 mA	



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