

**PV AC USW63A N-PE FI-A 300mA**

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**Ready-to-connect AC switchbox with star bridge for emergency power**

Designed for grid feeds up to 63A.

Grid feedback and emergency power up to 32A depending on the inverter.

Switching of the operating mode (mains parallel, emergency power) runs via a contactor control unit (3 contactors 63A)

Two relays for establishing the star point (PE-N) in case of mains failure

Mains supply of the inverter (AC grid) fused with circuit breaker type C, 4-pole, 32A. Connection via spring-loaded terminals 6mm<sup>2</sup>.

Emergency power output of the inverter (AC Load) fused with RCD type A, 4-pole, 40A 300mA, selective. Connection via spring terminals 6mm<sup>2</sup>. Property and personal protection in emergency power operation

Connection terminals with 2.5m pre-assembled cable for communication of the inverter with Smartmeter, battery BCU, feedback starpoint relay and additional RS232 (e.g. for solar manager)

**General ordering data**

|            |                              |
|------------|------------------------------|
| Type:      | PV AC USW63A N-PE FI-A 300mA |
| Order-No.: | 94046                        |
| QTY:       | 1                            |



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## Technical Data

## Dimensions and weight

|       |        |        |        |
|-------|--------|--------|--------|
| Width | 328 mm | Height | 550 mm |
| Depth | 140 mm | Weight | 8500 g |

## Outputs AC

|                 |                             |                      |   |
|-----------------|-----------------------------|----------------------|---|
| Connection type | Terminals 16mm <sup>2</sup> | Number of outputs AC | 1 |
|-----------------|-----------------------------|----------------------|---|

## Input AC

|                 |                             |                     |   |
|-----------------|-----------------------------|---------------------|---|
| Connection type | Terminals 16mm <sup>2</sup> | Number of inputs AC | 3 |
|-----------------|-----------------------------|---------------------|---|

## Electrical properties AC

|               |                   |                                 |                |
|---------------|-------------------|---------------------------------|----------------|
|               |                   | Input current; per input/total  |                |
| Rated voltage | 3x400V AC         | I <sub>IN</sub> per input/total | 32, 63/63 A AC |
| Grounding     | 16mm <sup>2</sup> |                                 |                |

## Housing

|                  |                |                       |      |
|------------------|----------------|-----------------------|------|
| Mounting type    | Wall mounting  | Protection class      | IP65 |
| Material         | Plastic        |                       |      |
| Max. Temperature | -15°C to +45°C | (ambient temperature) |      |