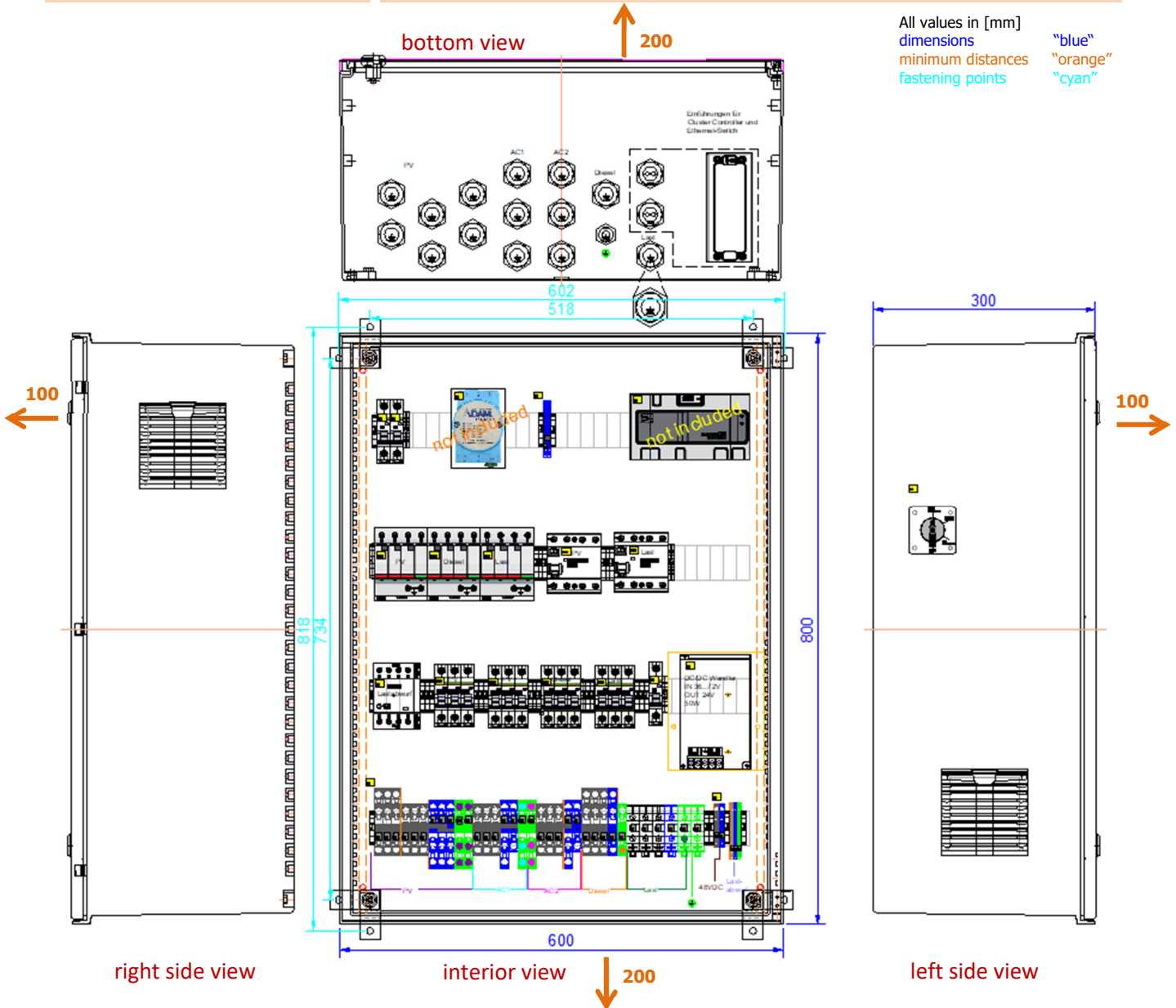


DATA SHEET

Centric-Single Cluster-Island Box_2xSTP12/15000

| | |
|-------------------------|---|
| enwitec-order number | 10011804 |
| Customer-article-number | |
| Type designation | Centric-Single Cluster-Island Box_2xSTP12/15000_1.1 |



| Scope of delivery | | | |
|---|-------------|----------|--------------|
| Designation | Article-nr. | Quantity | Comment |
| centric-single cluster-island box_2xSTP12/15000 | 10011804 | 1 | |
| Circuit diagram AC | - | 1 | DIN A3 |
| Circuit diagram DC | - | 1 | DIN A3 |
| Circuit diagram bypass switch | - | 1 | DIN A3 |
| Cable glands | - | 1 | Complete set |
| Wall mounting lugs | 10008845 | 4 | |
| | | | |
| | | | |

DATA SHEET

Centric-Single Cluster-Island Box_2xSTP12/15000



Central Connection unit for one 3-phase single-cluster island system

- WITHOUT Data Manager*
- WITHOUT Ethernet-Switch (e.g. ADAM-6520)*

* prepared for retrofitting

Connection Sunny Islands

- max. 1 x 8.0H per phase
- spring-loaded clamps up to 16mm² for AC1 and AC2 connection
- AC2 fuse integrated: 3C50A circuit breaker

Connection generator

- max. 25 KVA 3ph generator
- spring-loaded clamps up to 16mm²
- overvoltage protection Type2 (class C)

Connection PV-inverter

- up to 2 x SMA STP12000/15000
- spring-loaded clamps up to 16mm²
- overvoltage protection Type2 (class C)
- circuit breaker 2x 3B32A
- RCD – 300 mA / 63 A (Type A)

Connection load

- load shedding contactor 63 A (3-pole disconnection)
- screw terminals up to 35mm²
- overvoltage protection Type2 (class C)
- circuit breaker 3C40A
- RCD – 30 mA / 40A (Type A)

Integrated devices

- DC/DC converter (MeanWell SD-50) 36..72 VDC / 24 VDC with 50 W
- * supplies the Ethernet-Switch and Data Manager directly with battery voltage
- * supplies the load shedding contactor via multi-functional relays
- B6A fuse protection of the DC/DC converter
- 2 x B2 fuse protection of the Ethernet-Switch + SMA-Data Manager

Bypass-switch

- rotary switch (operating mechanism outside the enclosure)
- switch positions
- 0:** AC1/AC2/PV/Diesel/Load: all-pole disconnected
- Attention:** In this position the overvoltage protection of Load/PV in „differential mode" is not active, because the neutral-potential is "floated"
- 1** (= normal operation) AC2/Diesel connected, AC1/PV/Load connected
- WITHOUT Diesel** AC2/Diesel all-pole disconnected, AC1/PV/Load connected
- ONLY Diesel** PV/AC1/AC2 all-pole disconnected, Load/Diesel connected

Miscellaneous

- cable glands DIN (EN62444)
- 2 x cable glands (special sealing invert) M32 for insertion RJ45 connector (max. 2 times)
- additional insertion plate universal for control cables to Data Manager

Enclosure

- GRP polyester outdoor case
- protection rating IP54
- wall mounting
- dimensions WxHxD (mm) ca. 600x800x300
- protection against electric shock II

Ambient conditions

- ambient temperature -10°C...40°C (short-term 50°C)
- relative humidity 20..90% (non-condensing)
- installation in protected outdoor-area possible