

DATA SHEET

ITEM NO. 10019513

Mains and system protection in accordance with VDE-AR-N 4105/4110

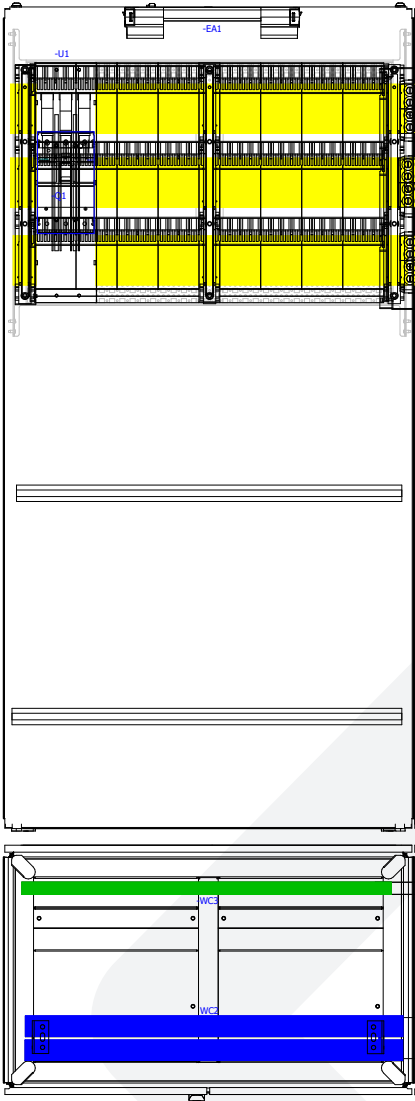
Powershield Pro 1100 NSAF2, power unit

All values in [mm]
Dimensions "blue"
Fastening points "orange"

Internal arrangement and components may differ depending on the variant!

Minimum distances

| | |
|---------|------|
| above | 200 |
| below | 400 |
| lateral | 200 |
| front | 1400 |



SCOPE OF DELIVERY

| Quantity | Designation |
|----------|-----------------------------------|
| 1 | Powershield Pro 1100 NSAF2 |
| 1 | General installation instructions |
| | |
| | |
| | |
| | |
| | |

| Quantity | Designation |
|----------|-----------------|
| 1 | Circuit diagram |
| | |
| | |
| | |
| | |
| | |
| | |

Status: April 2025
The text and illustrations correspond to the technical status at the time of printing and are subject to change without notice.
Despite careful editing, all information is provided without guarantee. Liability is excluded.

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TECHNICAL DATA

| NOMINAL VALUES | | • applicable / - not applicable |
|--|-------|---------------------------------|
| Rated insulation voltage U_i | [VAC] | 660 |
| Rated operating voltage U_o | [VAC] | 3PH - 230/400 |
| Rated current I_{nA} (at $\cos \phi 0.9$) | [A] | 1594 |
| Rated current I_{nA} (at $\cos \phi 1$) | [A] | 1435 |
| Operating frequency f_n | [Hz] | 50 |
| Net shape | | TN-S |
| Max. Value of the back-up fuse (gG/gL) | [A] | see circuit diagram |
| Max. Apparent power of the generation system | [kVA] | 1100 |
| Max. Active power of the generation system | [kW] | 990 |
| Type of generating system (VDE-AR-N 4105/4110) | | Type 2 |

| PV/LOAD CONNECTION | |
|-----------------------------------|-----------------------------|
| Cable entry | |
| Introductions | over cut-out plinth |
| Clamping range (from - to) | [mm] - |
| Connection L_1, L_2, L_3, N, PE | |
| Connection type | Cable lug M10 [#] |
| Stripping length | [mm] - |
| Tightening torque | [Nm] 40 |
| Cable cross-section (from - to) | |
| Cu/Al [#] | [mm ²] max. 240 |

| FUSE PROTECTION FOR PV INVERTERS | |
|----------------------------------|---------------|
| Fuse link | 1 x MCCB |
| Rated current | [A] 200 - 500 |

[#] Bimetal cable lugs must be used for aluminium cables! When connecting aluminium conductors, the customary processing guidelines must be observed! The contact surfaces of the aluminium conductors must be cleaned, brushed and treated with suitable grease.

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TECHNICAL DATA

| GENERAL | • applicable / - not applicable | |
|---|---------------------------------|--------------------------------|
| Dimensions WxHxD (without screw connections) | [mm] | 800 x 2200 x 600 |
| Weight, approx. | [kg] | 300 |
| Operating temperature range | [°C] | -25...+35 |
| Temperature - transport/storage (24 hours 70°C) | [°C] | -25...+55 |
| Humidity - condensing permitted | | - |
| Humidity - permissible range | [%] | 5...70 |
| max. installation height above N.N. | [m] | 2000 |
| Protection class IP (EN 60529) | | 54 |
| Outdoor suitability (protected area) | | - |
| Protection class (EN 61140) | | I |
| Housing material | | Metal |
| RoHS-compliant (2011/65/EU) | | • |
| Housing colour | | RAL 7035 |
| Mounting type | | Floor mounting on raised floor |

| OTHER | |
|-----------------------|----------|
| Customs tariff number | 85371098 |

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