# DATA SHEET

## ITEM NO. 10019510

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

**Powershield Pro 1100 EMS**

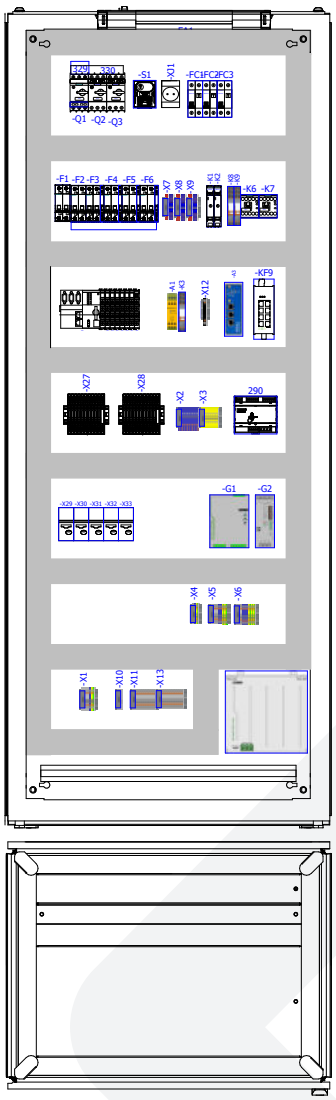
enwitec
greenLink Group
Scherrwies 2 | 84329 Wurmannsquick
info@enwitec.eu

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 control cabinet |
| 1 | General installation instructions |
| | |
| | |
| | |
| | |
| | |

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

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## TECHNICAL DATA

| NOMINAL VALUES | | • applicable / - not applicable |
|---|---|---|
| Rated insulation voltage $U_i$ | [VAC] | 660 |
| Rated operating voltage $U_e$ | [VAC] | 3PH - 230/400 |
| Operating frequency $f_n$ | [Hz] | 50 |
| Net shape | | TN-S |
| Max. Value of the back-up fuse (gG/gL) | [A] | see circuit diagram |
| Type of generating system (VDE-AR-N 4105/4110) | | Type 2 |

| PROTECTION RELAY - HIGHER-LEVEL DECOUPLING PROTECTION | |
|---|---|
| Type | Ziehl UFR1001E |
| Test disconnect terminal strip | Test socket 4 mm |

| PROTECTION RELAY - INTERMEDIATE DECOUPLING PROTECTION | |
|---|---|
| Type | Woodward MR4A-2A0BCA |
| Test disconnect terminal strip | Test socket 4 mm |

| UPS | | |
|---|---|---|
| Nominal voltage | [V] | 24 |
| Battery capacity | [Ah] | 1 x 12 |

| ETHERNET SWITCH | |
|---|---|
| Type | Wago 852 1102 |
| Number of ports | 8 |

| CONTROL CABINET HEATING | | |
|---|---|---|
| Performance | [W] | 75 |

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## TECHNICAL DATA

| NETWORK ANALYSER | | • applicable / - not applicable |
|---|---|---|
| Type | | Janitza UMG 96RM-E |

| GENERAL | | |
|---|---|---|
| Dimensions WxHxD (without screw connections) | [mm] | 1000 x 2200 x 600 |
| Weight, approx. | [kg] | 250 |
| 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 |
| Closure type | | Switch cabinet key |

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

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