DATA SHEET

ITEM NO. 10019512

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

Powershield Pro 1100 NSAF1

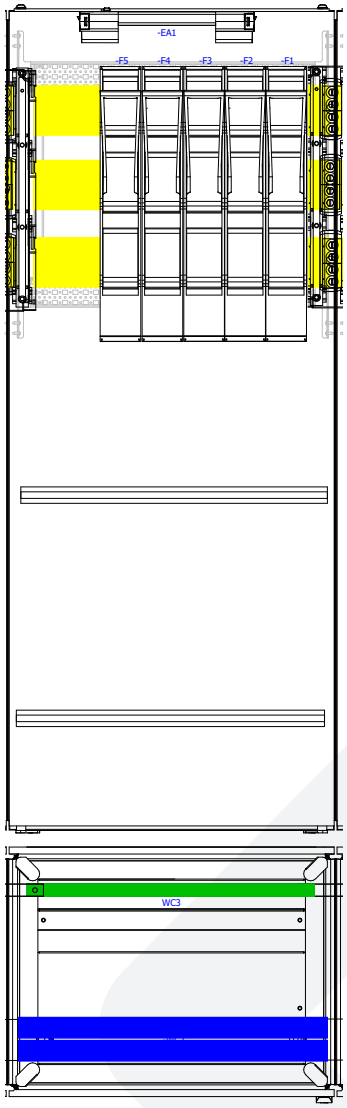
enwitec
greenLink Group
Scherrwies 2 | 84329 Wurmannsquick
info@enwitec.eu

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 NSAF1
1	General installation instructions

Quantity	Designation
1	Circuit diagram

10019512_datasheet_Powershield Pro 1100 NSAF1_EN_2025_05_21

©enwitec electronic GmbH

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.

DATA SHEET

ITEM NO. 10019512

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

Powershield Pro 1100 NSAF1

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

TECHNICAL DATA

NOMINAL VALUES		• applicable / - not applicable
Rated insulation voltage U_i	[VAC]	660
Rated operating voltage U_e	[VAC]	3PH - 230/400
Rated current I_{nA} (at cos ϕ 0.9)	[A]	1594
Rated current I_{nA} (at cos ϕ 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 L1, L2, L3, N, PE		
Connection type		Cable lug M12#
Stripping length	[mm]	-
Tightening torque	[Nm]	30
Cable cross-section (from - to)		
Cu/Al#	[mm²]	max. 240

FUSE-SWITCH DISCONNECTOR FOR PV INVERTERS	
Fuse link	2 x NH1 2 x NH2 1 x NH3
Max. Fuse value	250 400 630

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.

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.

©enwitec electronic GmbH

DATA SHEET

ITEM NO. 10019512

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

Powershield Pro 1100 NSAF1

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

TECHNICAL DATA

GENERAL		• applicable / - not applicable
Dimensions WxHxD (without screw connections)	[mm]	800 x 2200 x 600
Plinth height	[mm]	200
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

10019512_datasheet_Powershield Pro 1100 NSAF1_EN_2025_05_21

©enwitec electronic GmbH

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.