DATA SHEET

ITEM NO. 10019413

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

PowerShield 500 control cabinet

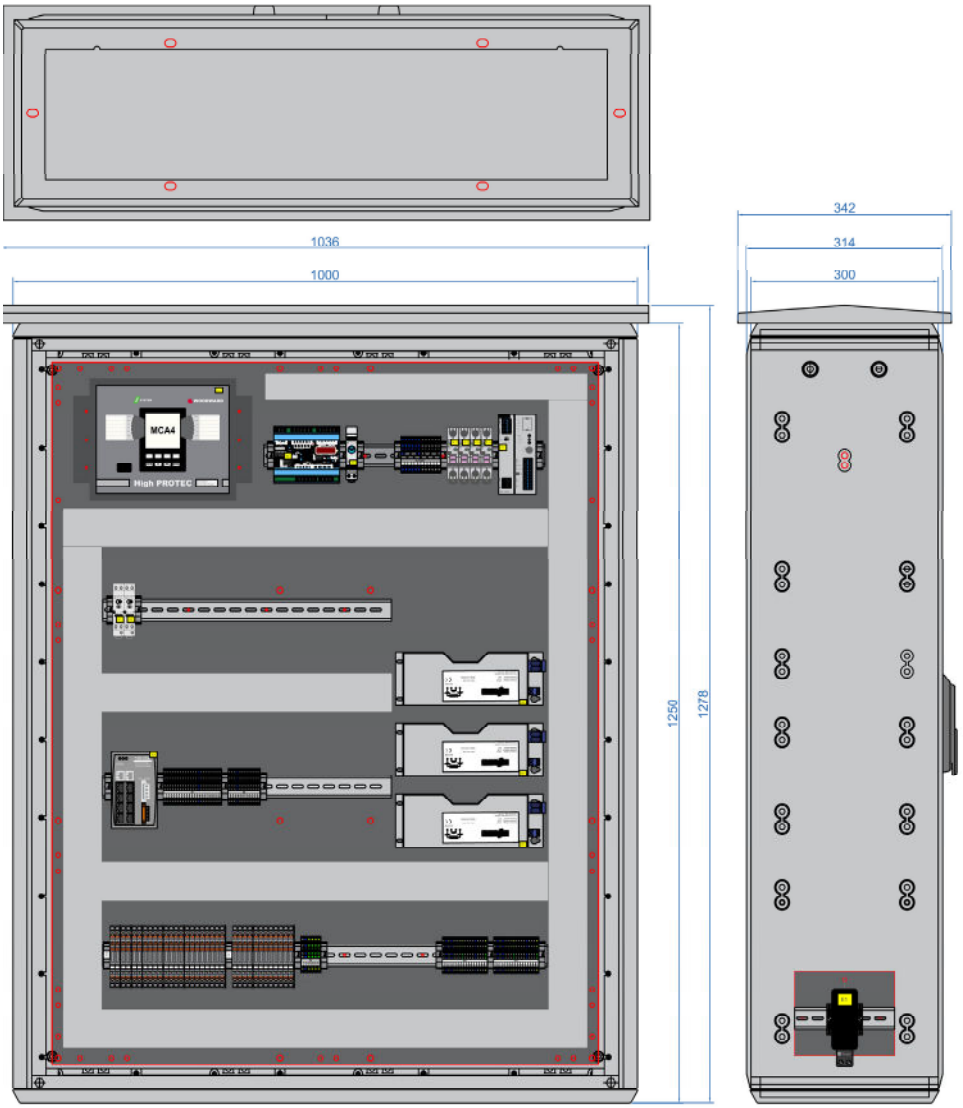
enwitec
greenLink Group
Scherrwies 2 | 84329 Wurmannsquick
info@enwitec.eu

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	1200



SCOPE OF DELIVERY

Quantity	Designation
1	Power Shield 500 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		TT/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]	3 x 7

ETHERNET SWITCH		
Type		Spectra NS-208-CR
Number of ports		8

CONTROL CABINET HEATING		
Performance	[W]	25

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TECHNICAL DATA

COMMUNICATION		• applicable / - not applicable
Interface		Power supply, circuit breaker connection
Cable entries		
Introduction		over cut-out base
Clamping range (from - to)	[mm]	-
Connections		
Connection type		Spring clamp
Stripping length	[mm]	10 - 12
Tightening torque	[Nm]	-
Cable cross-section (from - to)		
Fine copper wire with ferrule	[mm²]	0,25 - 2,5
Fine-stranded copper	[mm²]	0,25 - 4
Solid or stranded copper wire	[mm²]	0,25 - 4

COMMUNICATION		
Interface		Test disconnect terminal strip with over- and intermediate decoupling protection
Cable entries		
Introduction		over cut-out base
Clamping range (from - to)	[mm]	-
Connections		
Connection type		Spring clamp
Stripping length	[mm]	13 - 15
Tightening torque	[Nm]	-
Cable cross-section (from - to)		
Fine copper wire with ferrule	[mm²]	0,5 - 6
Fine-stranded copper	[mm²]	0,5 - 10
Solid or stranded copper wire	[mm²]	0,5 - 10

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TECHNICAL DATA

GENERAL		• applicable / - not applicable
Dimensions WxHxD (without screw connections)	[mm]	1036 x 1278 x 342
Weight, approx.	[kg]	100
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)		55
Outdoor suitability (protected area)		•
Protection class (EN 61140)		II
Housing material		Polyester (GRP)
RoHS-compliant (2011/65/EU)		•
Housing colour		RAL 7035
Mounting type		Floor mounting
Closure type		Locking cylinder

OTHER	
Customs tariff number	85371098

ACCESSORIES (not included in the scope of delivery)
Mounting base (500 mm)*
Buried base*

* Either a mounting base or a recessed base is essential for installation

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