

DATA SHEET

ITEM NO. 10019571

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

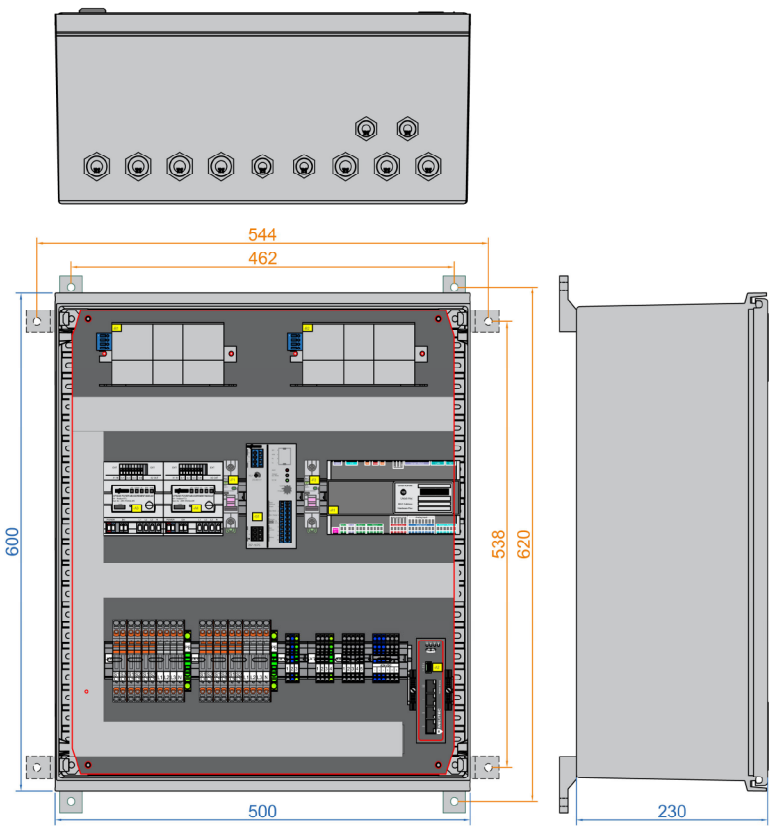
PowerControl 500

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	PowerControl 500
1	General installation instructions
1 set	Wall mounting brackets
4	M20 cable gland incl. lock nut

Quantity	Designation
7	M25 cable gland incl. lock nut
4	Diaphragm insert EMT 20
4	Diaphragm insert EMT 25
1	Circuit diagram

Status: (a)
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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

CONTROLLER - EZA-CONTROLLER	
Communication interfaces	1× Ethernet 1× RS485 1× RS485/422 max. 100 inverter, mixed operation possible 2× USB (WLAN/GSM/analogue modem etc.) 1× RS232 1× 1-Wire® 1× Can (optional)
Additional inputs/outputs	4× digital input 0-24 V (with internal power supply or external 24V) 2× analogue input 0-10 V 0/4-20mA 2× analogue input Pt1000/Kty 81-210 4× digital output. Load 24 V DC / 500 mA 2× relay (changer max. load 24 V / 5 A) 2× analogue output 0-10 V 0/4-20mA
Display	Web server
Storage	1 GB RAM. 8GB Flash. 8 GB micro SD
Processor	Quadcore 4x 1,2GHz with GPU
Languages	german/english/polish/italian

UPS	
Nominal voltage	[V] 24
Battery capacity	[Ah] 2 x 3,2

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TECHNICAL DATA

LTE ROUTER WITH SWITCH	• applicable / - not applicable
Type	Welotec TK804L1.450
Number of ports	4

2 x 3- PHASE POWER CONVERTERS	
Type	Wago 3x277/480 2857-570/024-005

COMMUNICATION	
Interface	Power supply BUS, FRE
Cable entry	
Introductions	M20 and/or M25
Clamping range (from - to)	[mm] 7 - 13 / 9 - 17
Connections	
Connection type	Spring clamp
Stripping length	[mm] 10 - 12
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 Voltage and Current measurement
Cable entry	
Introductions	M20 and/or M25
Clamping range (from - to)	[mm] 7 - 13 / 9 - 17
Connections	
Connection type	Spring clamp
Stripping length	[mm] 13 - 15
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]	500 x 600 x 230
Weight, approx.	[kg]	22
Operating temperature range	[°C]	-25...+35
Temperature - transport/storage (24 hours 70°C)	[°C]	-25...+35
Humidity - condensing permitted		-
Humidity - permissible range	[%]	5...70
max. installation height above N.N.	[m]	2000
Protection class IP (EN 60529)		65
Outdoor suitability (protected area)		•
Protection class (EN 61140)		II
Housing material		Polyester (GRP)
RoHS-compliant (2011/65/EU)		•
Housing colour		RAL 7035
Mounting type		Wall mounting
Closure type		Double-bit closure

OTHER	
Customs tariff number	85371098

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