

Art.Nr. 10019361
 SWITCHOVER BOX | Power Backup Dual EU

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Type designation	Battery-Backup-Distribution - allpole - standard
Application	Battery-Backup Function - SMA „Flexible Storage System“
Region	EU
Mains disconnection	Allpole
Battery-inverter	Only suitable for inverters with their own backup output
Control & monitoring	Integrated current and voltage relay (without integrated smart meter)

All values in [mm]

Dimensions

Fastening points

„blue“
 „orange“

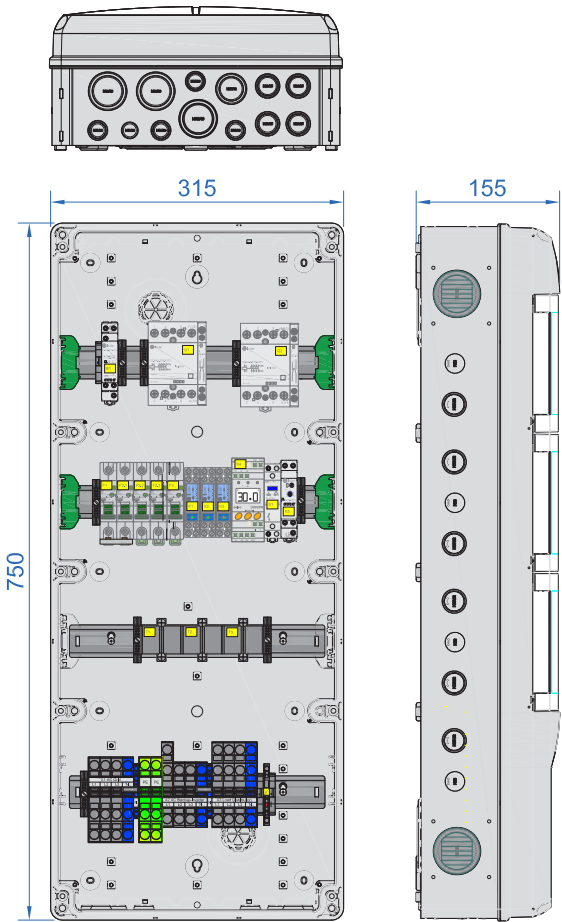
Inner construction as well as choice of components may differ within the variants!



Scan for more languages!

Minimum distances

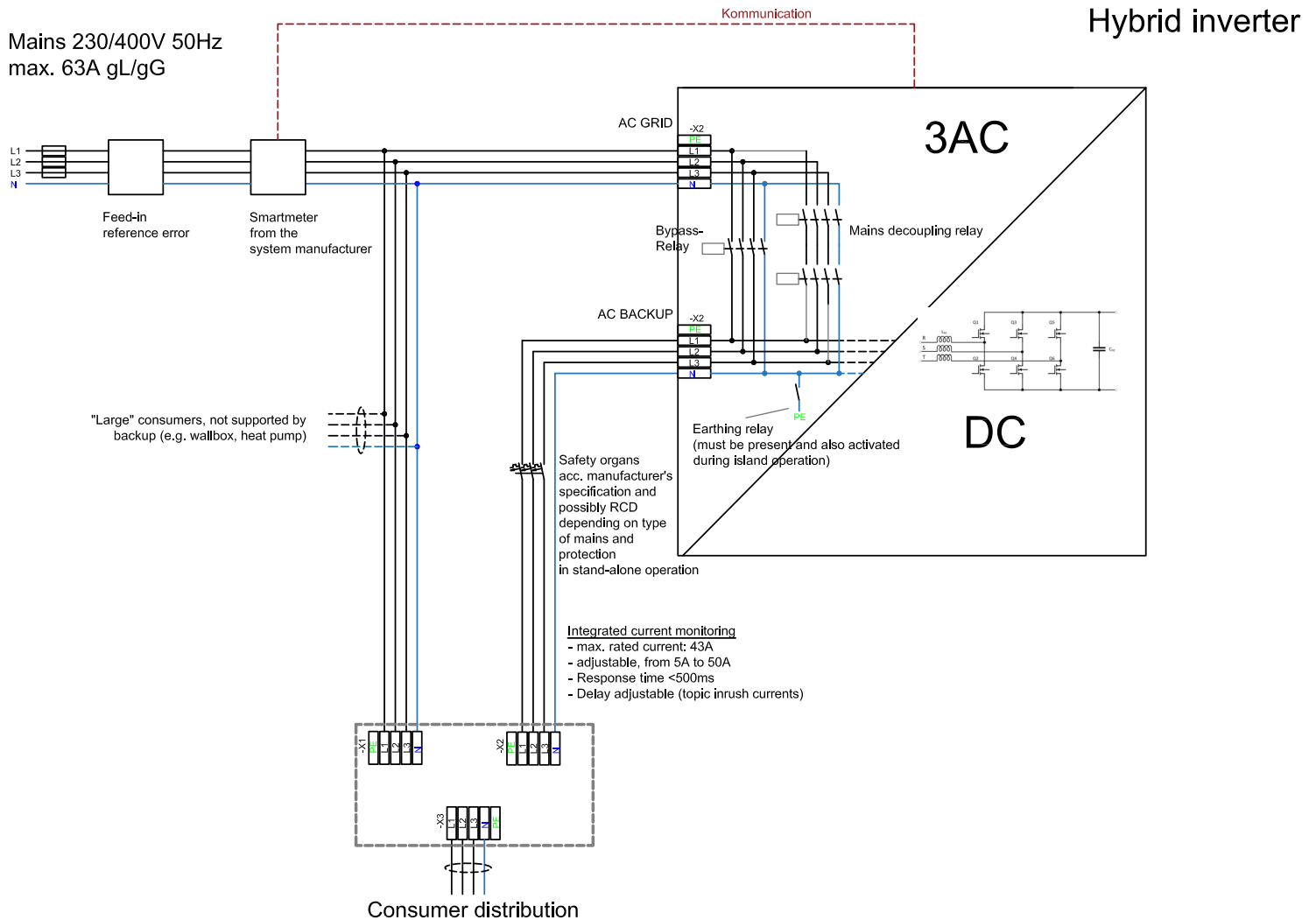
top	200
bottom	400
lateral	200
front	1200



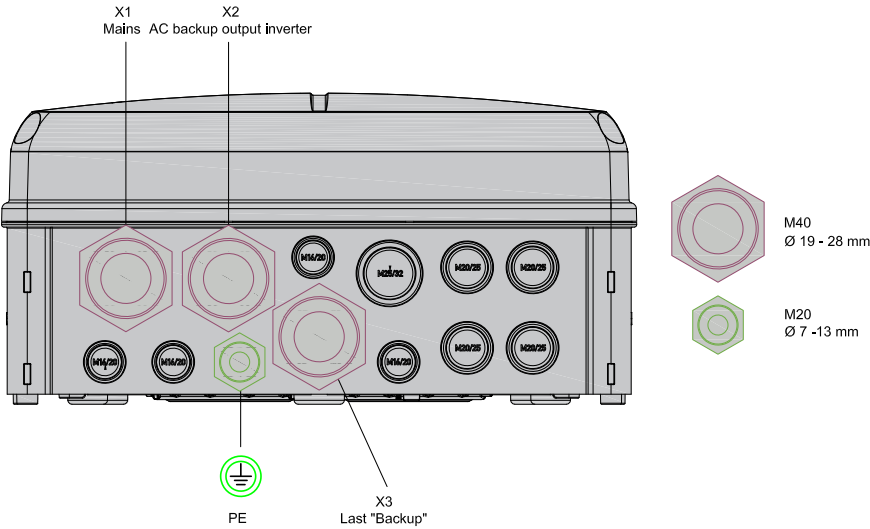
SCOPE OF DELIVERY

Quantity	Designation	Quantity	Designation
1	Switchover box	1	Warning label „dangerous voltage“
1	Installation instructions	1	Warning label „Note Earthing relay from inverter“
3	Cable gland M40 incl. locknut	1	Operating instructions Selec current monitoring relay
1	Cable gland M20 incl. locknut		

INTERNAL CIRCUITRY



CABLE ENTRY



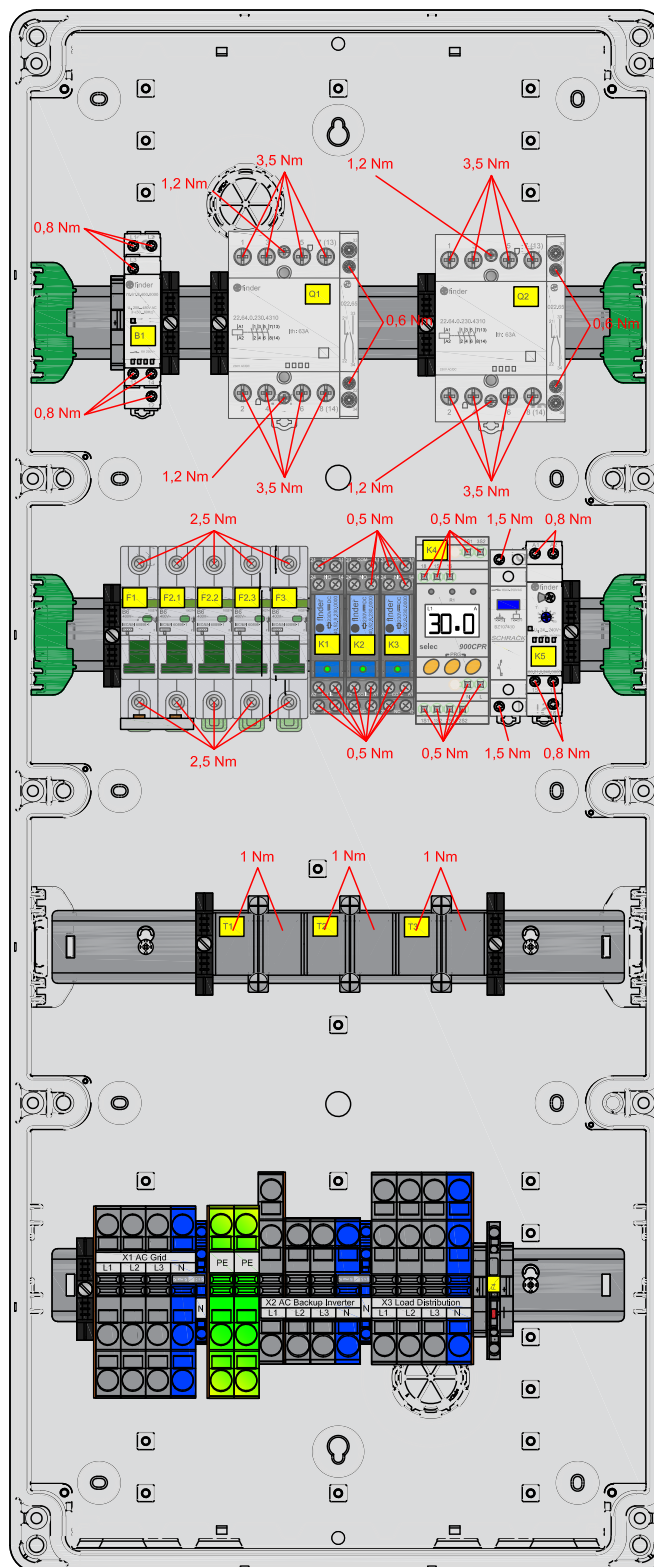
Cable gland	Terminal block	Clamping range [mm]	Wire type	Cross section [mm²]	Stripping length [mm]
 M40	X1 – Mains	19 - 28	solid	16	18 - 20
			fine stranded	25	
			fine stranded + wire end ferrule	16	
 M40	X2 – AC Backup output inverter	19 - 28	solid	16	18 - 20
			fine stranded	25	
			fine stranded + wire end ferrule	16	
 M40	X3 – Load „Backup“	19 - 28	solid	16	18 - 20
			fine stranded	25	
			fine stranded + wire end ferrule	16	
 M20	PE – equipotential bonding rail	7 - 13	solid	16	18 - 20
			fine stranded	25	
			fine stranded + wire end ferrule	16	

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TORQUES



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GENERAL DATA

NOMINAL VALUES

• applicable / - not applicable

Rated voltage	[V]	3PH - 230/400
Rated insulation voltage	[V]	400
Operating frequency	[Hz]	50/60+/-5%
Max. prospective* short circuit current	[kA]	10
Permitted grid structure		TN-C/S/TT/TN-S
Grid disconnection		allpole
Max. grid-side backup fuse	[A]	63
Max. thermal throughput power	[kW]	30
Standby-loss, ca.	[W]	17

CIRCUIT BREAKERS AND RESIDUAL CURRENT CIRCUIT BREAKERS

F1/F2.1/F2.2/ F2.3	Mains' control circuit	[A]	B6
F3	Backup' control circuit	[A]	3 x B6
F4	Miniature fuse 5 x 20	[A]	0,08 - sluggish

CONTACTORS (IEC/EN 61095; IEC/EN60947-1; IEC 60947-5-1)

K1/K2/K3	Control voltage	[V]	63
K3	Current protection relay	AC1 [A]	20
K5	Time relay	[A]	24

* Is the maximum, unaffected continuous short-circuit current of the mains connection.

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TECNICAL DATA

GENERAL DATA

• zutreffend / - nicht zutreffend

Dimensions W x H x D (without cable glands)	[mm]	315 x 750 x 155
Weight, ca.	[kg]	11,5
Operating temperature range t_a	[°C]	-5...+40
Temperature - transport/storage (24 h. 70°C)	[°C]	-25...+55
Humidity - condensing allowed	•/-	-
Humidity - permitted range	[%]	5...60
Max. altitude above sea level N.N.	[m]	2000
Protection class IP (EN 60529) $t_a = 40^\circ\text{C}$	IP	22
outdoor-application permitted	•/-	-
Installation type		indoor
Protection against electric shock (EN 61140)		II
Case material		polycarbonate
RoHS-conformity (2011/65/EU)	•/-	•
Case colour		similar RAL 7035
Cover		transparent
Mounting method		wall mounting
Locking system		without tool

MISCELLANEOUS

Customs tariff number	85371098
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