

Central Battery System EURO ZB.1



SKU CG 1x6 - 1/3

Circuit Overload

Non-maintained light

Maintained light
switched via

BL	DL	T1	T2	DLS	DLS	TLS
1						

Emergency Lighting with circuit monitoring:

EURO ZB.1



Aside from the central battery system ZB 96 CEAG offers a solution for all applications where luminaires need not be monitored.

EURO ZB.1 – same as ZB 96 – has a reliable charging system, is of modular design and distributed configuration. Relevant information about cover status, functioning of luminaire circuits as well as logging of the prescribed tests are collected via the compact control module of the EURO ZB.1 and stored in an log book as called for by the respective regulations. Luminaire circuit faults are detected and indicated as faults of the electrical circuits.

The specific indication of the individual luminaires within a can only be achieved with ZB 96 provided with 2L CG monitoring.

The results can be printed out by means of the optional event printer PD2.

- **Compact design of components and substations**
- **Individual circuit switching**
- **Freely programmable switching modes of the circuits**
- **Maximum safety due to distributed system design**
- **Arrangement on individual storeys or in fire protection zones**

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Ordering details

Type	Scope of supply	Order No.
Central battery system EURO ZB.1/52	Central battery system incl. ST20 E, LT.1 and DC/DC.2 26 free module slots	4 0071 346 070
Central battery system EURO ZB.1/20K	Central battery system incl. ST20 E, LT.1 and DC/DC.2 10 free module slots	4 0071 346071
Central battery system EURO ZB.1/204K	Central battery system incl. ST20 E, LT.1 and DC/DC.2 14 free module slots	4 0071 346 854
Central battery system EURO ZB.1/26K	Central battery system incl. ST20 E, LT.1 and DC/DC.2 10 free module slots	4 0071 346 615
Central battery system EURO ZB.1/264K	Central battery system incl. ST20 E, LT.1 and DC/DC.2 14 free module slots	4 0071 346 855
Central battery system EURO ZB.1/18K	Central battery system incl. ST20 E, LT.1 and DC/DC.2 10 free module slots	4 0071 346 180
Central battery system EURO ZB.1/188K	Central battery system incl. ST20 E, LT.1 and DC/DC.2 18 free module slots	4 0071 346 853
Central battery system ZB 96/LAD	Central battery system incl. ST20 E, LT.1 and DC/DC.2 (2 free module slots possible)	4 0071 347 400
Substation EURO US.1/72	Substation incl. ST20 E and DC/DC.2 36 free module slots	4 0071 346 335
Substation EURO US.1/42	Substation incl. ST20 E and DC/DC.2 21 free module slots	4 0071 347 561
Substation EURO US.1/26	Substation incl. ST20 E and DC/DC.2 13 free module slots	4 0071 347 560
Substation EURO US.1/10	Substation incl. ST20 E and DC/DC.2 5 free module slots	4 0071 346 247
Substation EURO ESF-E30/17	Substation incl. ST20 E and DC/DC.2 17 free module slots	4 0071 347 806
Substation EURO ESF-E30/28	Substation incl. ST20 and DC/DC.2 4 free module slots	4 0071 347 808

Ordering information for accessories

Type	Order No.
4 off DIN mounting rail incl. fixing accessories	4 0071 347 125
3 off C-section rail incl. fixing accessories	4 0071 347 126
200 mm plinth, depth 400 mm	4 0071 347 121
100 mm plinth, depth 400 mm	4 0071 347 120
200 mm plinth, depth 300mm	4 0071 347 122
3-piece baseplate, depth 400 mm, mouse-proof	4 0071 347 124
Cable support rail	4 0071 347 123
Metal flange plate for battery cabinet, undrilled	4 0071 346 225
Flange plate with foam rubber for battery cabinet	4 0036 070 164
Fireproof dowel M10 for E30 sub-distribution board, pack of 12, for installation in concrete walls	4 0036 070 298
Wall mounting plate for EURO ESF-E30/17	4 0071 347 726

Table of Covers Technical Data EURO ZB.1

Type	EURO ZB.1/52	EURO ZB.1/20K	EURO ZB.1/204K	EURO ZB.1/26K	EURO ZB.1/264K
Rated voltage 400/230 V 50 Hz	400/230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Modules:					
Control module ST-20	1	1	1	1	1
DC/DC.2 converter	1	1	1	1	1
Charging module 2.5 A	1	1	1	1	1
Circuit module SKU	0-26	0-10	0-14	0-10	0-14
Charging module 2.5 A	0-6 ¹	0-1 ³	0-1 ³	0-2 ⁴	0-2 ⁴
Cabinet construction:					
Conductor size for mains and battery supply	50 mm ²	16 mm ²	16 mm ²	16 mm ²	16 mm ²
Three-phase distribution	no	no	no	no	no
Conductor size Outgoing circuits	6 feeders ⁸ 16 mm ²	2 feeders 35 mm ²	-	2 feeders 35 mm ²	-
Max. conductor size Final circuits	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²
Cable entry from top	yes	yes	yes	yes	yes
Cable entry from bottom	yes	no	no	no	no
Type of protection	IP 21	IP 21	IP 21	IP 21	IP 21
Dimensions H x W x D (mm)	2050 x 800 x 400	2050 x 800 x 400	2050 x 800 x 400	2050 x 800 x 600	2050 x 800 x 600
Plinth (optional in mm)	100/200	200	200	-	-
Lock	3 mm two-way	3 mm two-way	3 mm two-way	3 mm two-way	3 mm two-way
Battery capacity, installed in:					
Compact cabinet	-	5,5-53 Ah	5,5-53 Ah	5,5-90 Ah	5,5-90 Ah
Battery cabinet	22-249 Ah ⁶	-	-	-	-
Battery rack	22-249 Ah ⁶	-	-	-	-

Other battery sizes on application

¹ When 6 boosters are fitted, a double bus carrier is necessary.

² Up to 8 boost chargers are possible when 2 SKU are fitted.

³ When 1 booster is fitted a single booster adapter is necessary.

⁴ When 2 boosters are fitted a double booster adapter is necessary.

⁵ The DC/DC.2 converter can supply up to 26 SKU modules. For 27 SKU and more a second DC/DC.2 converter is necessary.

Table of Covers Technical Data EURO ZB.1

EURO ZB.1/18K	EURO ZB.1/188K	EURO US.1/72	EURO US.1/42	EURO US.1/26	EURO US.1/10	EURO ESF-E30/17 ¹⁰	EURO ESF-E30/28 ¹⁰
230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
1	1	1	1	1	1	1	1
1	1	1-2	1	1	1	1	1
1	1	-	-	-	-	-	-
0-10	0-18	0-36 ⁵	0-21	0-13	0-5	0-17	0-26
-	-	-	-	-	-	-	-
16 mm ²	16 mm ²	35 mm ²	35 mm ²	35 mm ²	16 mm ²	16 mm ²	16 mm ²
no	no	no	no	no	no	no	no
1 feeder 16 mm ²	1 feeder 16 mm ²	-	-	-	-	-	-
2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²	4 mm ²	4 mm ²
yes	yes	yes	yes	yes	yes	yes	yes
no	no	yes	no	yes	no	no	no
IP 21	IP 21	IP 21	IP 54	IP 54	IP 54	IP 54	IP 54
1800 x 600 x 350	1800 x 600 x 350	2050 x 800 x 400	1200 x 600 x 300	800 x 600 x 250	600 x 400 x 250	1150 x 885 x 405	2190 x 885 x 405
200	200	100/200	300	-	-	-	-
3 mm two-way	3 mm two-way	3 mm two-way	3 mm two-way	3 mm two-way	3 mm two-way	3 mm two-way	3 mm two-way
5,5-22 Ah	5,5-22 Ah	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

⁶ Higher battery capacities B 130 Ah are achieved by connecting several battery sets in parallel. (>240 Ah Special type)

⁷ Only control module ST8 possible.

⁸ Provided a three-phase mains supply the connected substations and boosters could operate three-phase.

⁹ Please declare the cable entry as a project requirement.

¹⁰ With admittance no. Z-86.2-1. The supply cabinets ESF-E30 must be fixed to solid walls with a circuit integrity of at least 30 minutes.