



Date: 13.01.2021

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	60136683 005 (report based on 60136683 001 – 004)	CERTIFICATE NUMBER	UY 60154254 0001
DATE OF ISSUE	09.11.2020 (005 report)	DATE OF ISSUE	13.01.2021
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	12.01.2023
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Zumtobel Lighting GmbH	NAME OF THE BRAND	 ZUMTOBEL
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Schweizer Straße 30, 6850 Dornbirn, Austria	MODEL / NO	ONLITE central eBox xxx xxx := MS1200; MS1700; SUB; SUB IP65; SUB E60; SUB E30; BCU; MBP; CPU; SCM; BPD; BSIM; TS35 SET; DSIM; OCM-CPU; SBP; OCM-ECP; OCM-ECD; OCM-ECC; ONLITE BRI ONLITE central PLC DALI Inter- face IV (Detail information on page 2, 3 and Annex 1)
WEBSITE	www.zumtobel.com	LOGO ON THE PRODUCT	 ZUMTOBEL
TEL	Tel: + 43 5572 390-0 Fax: +43 5572 22826	EMAIL	info@zumtobel.info





Product Details From Test Report		Reference Test Report page NO										
<p>DESCRIPTION OF THE PRODUCT [TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC]</p>	<p>Central Power Supply System for Central Emergency Lighting Systems</p>	<p>1, 3, 5-7</p>										
	<p>Model Identification:</p> <table border="1"> <tr> <td colspan="2">ONLITE central eBox MS1200 Art. Nr. 22 176 359</td> </tr> <tr> <td>Powered over mains:</td> <td>230 V, 50 Hz, fused 25A</td> </tr> <tr> <td>Output voltage:</td> <td>230 V, 50Hz or 216 V DC</td> </tr> <tr> <td>Output power:</td> <td>max. 5600 VA or 2700 W</td> </tr> <tr> <td colspan="2">Main station: 1200mm high, up to 12 Ah batteries, IP20, Ta: 0-40 °C</td> </tr> </table>	ONLITE central eBox MS1200 Art. Nr. 22 176 359		Powered over mains:	230 V, 50 Hz, fused 25A	Output voltage:	230 V, 50Hz or 216 V DC	Output power:	max. 5600 VA or 2700 W	Main station: 1200mm high, up to 12 Ah batteries, IP20, Ta: 0-40 °C		
	ONLITE central eBox MS1200 Art. Nr. 22 176 359											
	Powered over mains:	230 V, 50 Hz, fused 25A										
	Output voltage:	230 V, 50Hz or 216 V DC										
	Output power:	max. 5600 VA or 2700 W										
	Main station: 1200mm high, up to 12 Ah batteries, IP20, Ta: 0-40 °C											
<table border="1"> <tr> <td colspan="2">ONLITE central eBox MS1700 Art. Nr. 22 176 472</td> </tr> <tr> <td>Powered over mains:</td> <td>230 V, 50 Hz, fused 25A</td> </tr> <tr> <td>Output voltage:</td> <td>230 V, 50Hz or 216 V DC</td> </tr> <tr> <td>Output power:</td> <td>max. 5600 VA or 2700 W</td> </tr> <tr> <td colspan="2">Main station: 1700mm high, up to 24 Ah batteries, IP20, Ta: 0-40 °C</td> </tr> </table>	ONLITE central eBox MS1700 Art. Nr. 22 176 472		Powered over mains:	230 V, 50 Hz, fused 25A	Output voltage:	230 V, 50Hz or 216 V DC	Output power:	max. 5600 VA or 2700 W	Main station: 1700mm high, up to 24 Ah batteries, IP20, Ta: 0-40 °C			
ONLITE central eBox MS1700 Art. Nr. 22 176 472												
Powered over mains:	230 V, 50 Hz, fused 25A											
Output voltage:	230 V, 50Hz or 216 V DC											
Output power:	max. 5600 VA or 2700 W											
Main station: 1700mm high, up to 24 Ah batteries, IP20, Ta: 0-40 °C												
<table border="1"> <tr> <td colspan="2">ONLITE central eBox SUB Art. Nr. 22 185 290</td> </tr> <tr> <td>Powered over main station:</td> <td>230 V, 50 Hz, 5A or 216 V DC, 4A</td> </tr> <tr> <td>Output voltage:</td> <td>230 V, 50Hz or 216 V DC</td> </tr> <tr> <td>Output power:</td> <td>max. 1000 VA or 750 W</td> </tr> <tr> <td colspan="2">Sub-distribution unit IP20, Ta: 0-40 °C</td> </tr> </table>	ONLITE central eBox SUB Art. Nr. 22 185 290		Powered over main station:	230 V, 50 Hz, 5A or 216 V DC, 4A	Output voltage:	230 V, 50Hz or 216 V DC	Output power:	max. 1000 VA or 750 W	Sub-distribution unit IP20, Ta: 0-40 °C			
ONLITE central eBox SUB Art. Nr. 22 185 290												
Powered over main station:	230 V, 50 Hz, 5A or 216 V DC, 4A											
Output voltage:	230 V, 50Hz or 216 V DC											
Output power:	max. 1000 VA or 750 W											
Sub-distribution unit IP20, Ta: 0-40 °C												
<table border="1"> <tr> <td colspan="2">ONLITE central eBox SUB IP65 Art. Nr. 22 185 292</td> </tr> <tr> <td>Powered over main station:</td> <td>230 V, 50 Hz, 5A or 216 V DC, 4A</td> </tr> <tr> <td>Output voltage:</td> <td>230 V, 50Hz or 216 V DC</td> </tr> <tr> <td>Output power:</td> <td>max. 1000 VA or 750 W</td> </tr> <tr> <td colspan="2">Sub-distribution unit IP65, Ta: 0-40 °C</td> </tr> </table>	ONLITE central eBox SUB IP65 Art. Nr. 22 185 292		Powered over main station:	230 V, 50 Hz, 5A or 216 V DC, 4A	Output voltage:	230 V, 50Hz or 216 V DC	Output power:	max. 1000 VA or 750 W	Sub-distribution unit IP65, Ta: 0-40 °C			
ONLITE central eBox SUB IP65 Art. Nr. 22 185 292												
Powered over main station:	230 V, 50 Hz, 5A or 216 V DC, 4A											
Output voltage:	230 V, 50Hz or 216 V DC											
Output power:	max. 1000 VA or 750 W											
Sub-distribution unit IP65, Ta: 0-40 °C												
<table border="1"> <tr> <td colspan="2">ONLITE central eBox SUB E60 A-1 Nr. 22 185 291</td> </tr> <tr> <td>Powered over main station:</td> <td>230 V, 50 Hz, 5A or 216 V DC, 4A</td> </tr> <tr> <td>Output voltage:</td> <td>230 V, 50Hz or 216 V DC</td> </tr> <tr> <td>Output power:</td> <td>max. 1000 VA or 750 W</td> </tr> <tr> <td colspan="2">Sub-distribution unit with fire resistance E60, IP25, Ta: 0-40 °C</td> </tr> </table>	ONLITE central eBox SUB E60 A-1 Nr. 22 185 291		Powered over main station:	230 V, 50 Hz, 5A or 216 V DC, 4A	Output voltage:	230 V, 50Hz or 216 V DC	Output power:	max. 1000 VA or 750 W	Sub-distribution unit with fire resistance E60, IP25, Ta: 0-40 °C			
ONLITE central eBox SUB E60 A-1 Nr. 22 185 291												
Powered over main station:	230 V, 50 Hz, 5A or 216 V DC, 4A											
Output voltage:	230 V, 50Hz or 216 V DC											
Output power:	max. 1000 VA or 750 W											
Sub-distribution unit with fire resistance E60, IP25, Ta: 0-40 °C												
<table border="1"> <tr> <td colspan="2">ONLITE central eBox SUB E30 A-1 Nr. 22 179 999</td> </tr> <tr> <td>Powered over main station:</td> <td>230 V, 50 Hz, 5A or 216 V DC, 4A</td> </tr> <tr> <td>Output voltage:</td> <td>230 V, 50Hz or 216 V DC</td> </tr> <tr> <td>Output power:</td> <td>max. 1000 VA or 750 W</td> </tr> <tr> <td colspan="2">Sub-distribution unit with fire resistance E30, IP20, Ta: 0-40 °C</td> </tr> </table>	ONLITE central eBox SUB E30 A-1 Nr. 22 179 999		Powered over main station:	230 V, 50 Hz, 5A or 216 V DC, 4A	Output voltage:	230 V, 50Hz or 216 V DC	Output power:	max. 1000 VA or 750 W	Sub-distribution unit with fire resistance E30, IP20, Ta: 0-40 °C			
ONLITE central eBox SUB E30 A-1 Nr. 22 179 999												
Powered over main station:	230 V, 50 Hz, 5A or 216 V DC, 4A											
Output voltage:	230 V, 50Hz or 216 V DC											
Output power:	max. 1000 VA or 750 W											
Sub-distribution unit with fire resistance E30, IP20, Ta: 0-40 °C												
	<p>MS1200 and MS1700 consist of the following components</p> <ul style="list-style-type: none"> - Battery charger unit „ONLITE central eBox BCU“, Art. Nr. 22 185 309 Charges the batteries and provides the supply voltage for CPU and SCM Powered over mains, 220-240 V, 50/60 Hz, 2.7 A Output 1: 160 – 254 V DC / 2 A / max. 500 W Output 2: 12 V DC / 60 mA / max. 0.6 W Output 3: 12 V DC / 2 A / max. 24 W Output 4: 15 V DC / max. 160 mA - Main back plane „ONLITE central eBox MBP“, Art. Nr. 22 185 324 Connects CPU and SCM modules mechanically and electrically - Central unit for main station „ONLITE central eBox CPU“, Art. Nr. 22 185 310 Controls all central functions of the eBox system, provides a touch display Powered over BCU: 12V DC, max. 1.3 A Output: 3.3 V DC / 100 mA / max. 330 mW - Substation Connection Module „ONLITE central eBox SCM“, Art. Nr. 22 185 297 Switches between mains or battery supply for one SUB-distribution Powered over BCU: 15V DC / 160mA / max. 2.4 W Output voltage: 230 V, 50Hz or 216 V DC Output power: max. 1000 VA or 750 W Output fuses: BA in L, B+ and B- conductor - Internal sub-distribution unit 											





- Remote display "ONLITE BR1" Art. Nr. 22 185 300
remote status display
powered by system bus by ONLITE central eBox
powered by ONLITE CPS/LPS
- Bus phase monitor "ONLITE central eBox BPD" Art. Nr. 22 185 299
bus phase monitoring system
monitoring phase L1/L2/L3 in case of under voltage
- Bus switching input module "ONLITE central eBox BSIM" Art. Nr. 22 185 298
Switching module to for switching one or more groups consist of emergency luminaires
- Top-hat rail "ONLITE central eBox TS35 SET" Art. Nr. 22 169 170
Adapter for 22 176 358 ONLITE central eBox MS 1200
Adapter for 22 176 472 ONLITE central eBox MS 1700
- DALI input module "ONLITE central eBox DSIM" Art. Nr. 22 185 301
- DALI interface "ONLITE central PLC DALI Interface IV" Art. Nr. 22 170 979
- Metal enclosure with inspection window (transparent poly carbonate)

SUB, SUB IP65, SUB E60, SUB E30 and the internal sub-distribution unit consist of the following components

- Central Unit for SUB "ONLITE central eBox OCM-CPU", Art. Nr. 22 185 311
Controls all functions of the SUB; distribution and provides the supply for OCM
Powered over SCM 230 V, 50Hz (max. 8 VA) or 216 V DC (max. 8 W)
- SUB Back Plane "ONLITE central eBox SBP", Art. Nr. 22 185 325
Connects OCM-CPU and OCM modules mechanically and electrically
- Output Circuit Modules from 3 alternative types
 - o Powerline Output Module "ONLITE central eBox OCM-ECP", A.Nr. 22 185 299
Provides two output channels for up to 20 powerline emergency luminaires each
Monitors each luminaire via Powerline communication (115 kHz)
input voltage for internal electronics: 12V DC (max. 85 mA) and 3.3V DC (max. 100 mA)
input and output voltage for luminaire supply: 230 V, 50Hz (max. 420 VA) or 216 V DC (max. 200 VA)
Output Fuses: 3 15 A in L, B+ and B- conductor
 - o DALI Output Module "ONLITE central eBox OCM-ECD", Art. Nr. 22 185 594
Provides two output channels for up to 20 DALI emergency luminaires each
Monitors each luminaire via DALI commands
input voltage for internal supply: 12V DC (max. 85 mA) and 3.3V DC (max. 100 mA)
input and output voltage for luminaire supply: 230 V, 50Hz (max. 420 VA) or 216 V DC (max. 200 VA)
Output Fuses: 3 15 A in L, B+ and B- conductor
 - o Circuit monitored Output Module "ONLITE central eBox OCM-ECC", A.Nr. 22 185 295
Provides two output channels for up to 20 emergency luminaires each
Monitors each channel via current and voltage measurement
input voltage for internal electronics: 12V DC (max. 85 mA) and 3.3V DC (max. 100 mA)
input and output voltage for luminaire supply: 230 V, 50Hz (max. 420 VA) or 216 V DC (max. 200 VA)
Output Fuses: 3 15 A in L, B+ and B- conductor

Example of marking plate:

ZUMTOBEL
ONLITE central eBox MS1200
Zeitliche Notstromversorgung
Central emergency power supply
Art. Nr. 22 176 320

Einphasige Versorgung	230 V, 1- ϕ , 50 Hz	Einphasige Netzversorgung	max. Nennleistung pro Phase	25 A
Leistung	50 W	max. Nennleistung pro Phase	230 V	
Busspannung	nom. 216 V DC	max. Nennleistung pro Phase	5 000 VA	
Busspannung	nom. 198 V DC	DC-Platzierung	max. 3 700 W	
Leistung	max. 8 A, 0,5 - 8 s	Schutzart	degree of protection	IP 20
Temperatur	20 °C	Schutzklasse	protection class	I
Stationenkapazität	72 - 12 A	Bauart	manufactured	2313
Batteriekapazität	0 - 40 Ah			
Temperatur	0 - 40 °C			

CE EN 50171 (VDE 0520-226)
EN 50172 (VDE 0105-100)

30601567

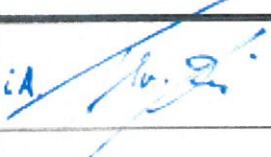




<p>TEST STANDARD (SUCH AS ASTM/BS EN/ DIN ETC)</p>	<p>EN 50171:2001 (This European standards specify the requirements for central power supply systems) EN 50178:1997 (additional standard used for basic safety evaluation)</p>	<p>1</p>
<p>TEST DESCRIPTION</p>	<p>Complete standard tested acc. EN 50171:2001 Classification</p> <ul style="list-style-type: none"> • Changeover mode (4) • Operating conditions and requirements (5) • Constructional design (6.1 - 6.4, 6.6 – 6.11, 6.13 - 6.15) • Information for installation and operation (7) • General tests and recurring tests (8) 	<p>9-35 (of main report 60136683 001)</p>
<p>SPECIFICATION OF TEST SPECIMEN</p>	<p>Central Power Supply System (CPS) for Central Emergency Lighting Systems.</p>	<p>1</p>
<p>TEST RESULT (SUCH AS PASSED CRITERIA,___/COMPLIED TO___/DURATION___/OBSERVATION___/ETC)</p>	<p>The products have passed EN 50171:2001 and EN 50178:1997</p> <p>Conditions of acceptance: The batteries are not part of this report. Specified in the user manual what kind of batteries should be used with the system. The complete functional safety of the systems is not evaluated, The device was only checked of communication errors in the bus system. The failure conditions are described in the end of the report. Bugs in the software system are not evaluated. Chapter 6.12 Batteries should be evaluated in the final installation and the suitability of Batteries shall be checked in accordance to this section in end installation. 7.2 Initial type tests shall be carried out in accordance with the local and national regulations and shall include the requirements of this section. A description of the Type tests according DIN EN 50171 (VDE0558-508):2013 is given in the user manual.</p>	<p>1</p> <p>7 and 8 (of main report 60136683 001)</p>
<p>PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ ETC.</p>	<p>Central Power Supply System (CPS) for Central Emergency Lighting Systems. Installation instruction with connection and mounting available. Installation for qualified electrician only</p>	<p>'Manual Sheet'</p>





Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	TUV Rheinland LGA Products GmbH	NAME OF TEST FACILITY	TUV Rheinland LGA Products GmbH
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Tillystraße 2, 90431, Nuremberg, Germany	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Am Grauen Stein 29 51105 Cologne, Germany
WEBSITE	www.tuv.com	WEBSITE	www.tuv.com
TEL	+49 911 655 5225	TEL	+49 911 655 5225
EMAIL	service@de.tuv.com	EMAIL	service@de.tuv.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	DAkkS – Deutsche Akkreditierungsstelle	ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	DAkkS – Deutsche Akkreditierungsstelle
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	DIN EN ISO/IEC 17065:2013	AS PER (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	DIN EN ISO/IEC 17025:2005
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	28.11.2022	VALIDITY (EXPIRY DATE OF LABORATORY ACCREDITATION)	unlimited
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	D-ZE-14169-01-04	REFERENCE NUMBER: (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	D-PL-14169-03-01 Issued 19.03.2019
CERTIFICATION MARK			
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Zumtobel Lighting GmbH Mr. Thomas Fitz	SIGNATURE	
EMAIL / TEL	Thomas.Fitz@zumtobelgroup.com +43 5572 390 1206	FACTORY OFFICIAL SEAL	Zumtobel Lighting GmbH Group Technology Controls Schmelzhütterstraße 26 A-8850 Dornbirn
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	TÜV Rheinland LGA Products GmbH Mr. Volker Ebinghaus	SIGNATURE	
EMAIL / TEL	service@de.tuv.com +49 911 655 5225	CERTIFICATION BODY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			



ANNEX 1

Art. Nr.	Type designation
22 176 359	ONLITE central eBox MS1200
22 176 472	ONLITE central eBox MS1700
22 185 290	ONLITE central eBox SUB
22 185 292	ONLITE central eBox SUB IP65
22 185 291	ONLITE central eBox SUB E60
22 170 999	ONLITE central eBox SUB E30
22 185 309	ONLITE central eBox BCU
22 185 324	ONLITE central eBox MBP
22 185 310	ONLITE central eBox CPU
22 185 297	ONLITE central eBox SCM
22 185 300	ONLITE BRI
22 185 299	ONLITE central eBox BPD"
22 185 298	ONLITE central eBox BSIM
22 169 170	ONLITE central eBox TS35 SET
22 185 301	ONLITE central eBox DSIM
22 170 979	ONLITE central PLC DALI Interface IV
22 185 311	ONLITE central eBox OCM-CPU
22 185 325	ONLITE central eBox SBP
22 185 293	ONLITE central eBox OCM- ECP
22 168 594	ONLITE central eBox OCM-ECD
22 185 295	ONLITE central eBox OCM-ECC

