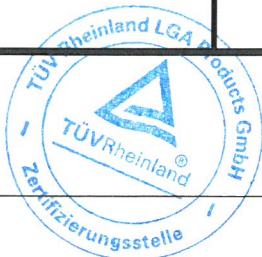




Date: 25.01.2023

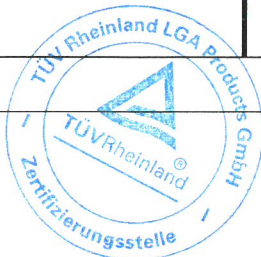
CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	Cover page: 21245193 007 Referenced reports: 21245193 001 21245193 003 21245193 005 21245193 006	CERTIFICATE NUMBER	UY 60167371 0001
DATE OF ISSUE	30.11.2022	DATE OF ISSUE	25.01.2023
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	24.01.2025
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	Schuster Energieversorgungssysteme GmbH	NAME OF THE BRAND	Zumtobel Lighting GmbH Schweizerstraße 30 A-6850 Dornbirn, Austria
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Lilienthalstr. 18 41515 Grevenbroich Germany	MODEL / NO	ONLITE Central CPS HVS x x can be: HS06, HW03, HW05, HW08, HW11, KS03, KS06, KS08, KS11, HS11, KS05, HS08, FHW03, FHW05 (followed by numbers and letters with details to the product – see more details on following pages)
WEBSITE	http://www.schuster-energie.de	LOGO ON THE PRODUCT	 ZUMTOBEL
TEL	+49 (2181) 690480	EMAIL	Factory: info@schuster-energie.de Brand company: info@zumbobel.info



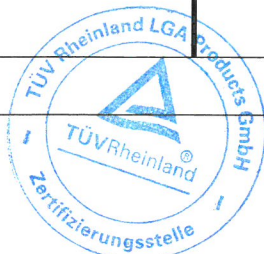


Product Details From Test Report		Reference Test Report page NO																													
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	Reference information is given in test report 21245193 006: The Central Power Supply System (CPS) supplies required emergency power to essential safety equipment without any limitation in power output. The tested system consist overall of the following main modules • i-View • i-Control • i-Charge • i-Connect UV • i-Connect PROFI • i-Connect DALI Article numbers and type designations for possible models for the brand Zumtobel:	4-11																													
	<table><tr><th>Article number</th><th>Type designation</th></tr><tr><td>22 162 210</td><td>ONLITE Central CPS HVS HS06</td></tr><tr><td>22 170 580</td><td>ONLITE Central CPS HVS HW03</td></tr><tr><td>22 170 581</td><td>ONLITE Central CPS HVS HW05</td></tr><tr><td>22 170 582</td><td>ONLITE Central CPS HVS HW08</td></tr><tr><td>22 170 583</td><td>ONLITE Central CPS HVS HW11</td></tr><tr><td>22 170 584</td><td>ONLITE Central CPS HVS KS03</td></tr><tr><td>22 170 586</td><td>ONLITE Central CPS HVS KS06</td></tr><tr><td>22 170 587</td><td>ONLITE Central CPS HVS KS08</td></tr><tr><td>22 170 588</td><td>ONLITE Central CPS HVS KS11</td></tr><tr><td>22 170 589</td><td>ONLITE Central CPS HVS HS11</td></tr><tr><td>22 170 585</td><td>ONLITE Central CPS HVS KS05</td></tr><tr><td>22 154 690</td><td>ONLITE Central CPS HVS HS08</td></tr><tr><td>22 154 692</td><td>ONLITE Central CPS HVS FHW03</td></tr><tr><td>22 154 691</td><td>ONLITE Central CPS HVS FHW05</td></tr></table>	Article number	Type designation	22 162 210	ONLITE Central CPS HVS HS06	22 170 580	ONLITE Central CPS HVS HW03	22 170 581	ONLITE Central CPS HVS HW05	22 170 582	ONLITE Central CPS HVS HW08	22 170 583	ONLITE Central CPS HVS HW11	22 170 584	ONLITE Central CPS HVS KS03	22 170 586	ONLITE Central CPS HVS KS06	22 170 587	ONLITE Central CPS HVS KS08	22 170 588	ONLITE Central CPS HVS KS11	22 170 589	ONLITE Central CPS HVS HS11	22 170 585	ONLITE Central CPS HVS KS05	22 154 690	ONLITE Central CPS HVS HS08	22 154 692	ONLITE Central CPS HVS FHW03	22 154 691	ONLITE Central CPS HVS FHW05
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22 154 691	ONLITE Central CPS HVS FHW05																														





	The type designation is followed by numbers and letters for different options of the product. For the product key of the manufacturer see table with options in attachment 2 (page 7) and additional information in the test reports. For examples of marking plates see attachment 1 (page 6) Technical Data of the systems: Rated Voltage: 3/N/PE 400V AC, 50Hz Un Batt/ Un End Circuits: 216V DC/ 230V AC Rated Charge current: 3x 6.5A max Rated Output Power: 7kVA/ 14kVA/ 21kVA/ 30kVA In addition to this certificate the appliances are type approved (certificate R 60111771 0001)	
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	EN 50171:2001 This European standards specify the requirements for Central power supply systems	1
TEST DESCRIPTION	Reference is given in test reports 21245193 001 - 21245193 007 with e.g. the following tests of report 21245193 001: - Types of central safety power supply systems - Changeover mode (4) - Operating conditions and requirements (5) - Constructional design (6.1 - 6.4, 6.6 – 6.11, 6.14 - 6.15) - Information for installation and operation (7) - General tests and recurring tests (8)	10-32
SPECIFICATION OF TEST SPECIMEN	Central Power Supply System (CPS) for Central Emergency Lighting Systems. The Central Power Supply System (CPS) supplies required emergency power to essential safety equipment without any limitation in power output.	1, 4-11

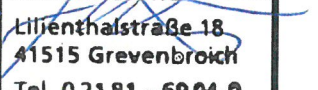


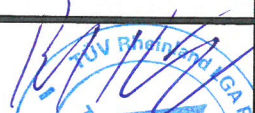


TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)	The products have passed EN 50171:2001 Conditions of acceptance: The batteries are not part of this certificate and the report. The user manual specifies what kind of batteries shall be used with the system. The complete functional safety of the systems was 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 were 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. Chapter 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 EN 50171 is given in the user manual.	1
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.	Instruction manual for ONLITE Central Power Supply System (CPS) for Central Emergency Lighting Systems states: "The installation may only be performed by suitably qualified professional electrical specialists who have been briefed on local and operational conditions."	Manual





Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	TÜV Rheinland LGA Products GmbH	NAME OF TEST FACILITY	TÜV Rheinland LGA Products GmbH
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Tillystraße 2, 90431 Nürnberg Germany	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Am Grauen Stein 29 51105 Köln 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)	DAkS – Deutsche Akkreditierungsstelle	ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	DAkS – 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 17025:2017
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	unlimited	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 Issued 08.02.2022	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	Schuster Energieversorgungssysteme GmbH Mr. Jens Wich	SIGNATURE	
EMAIL / TEL	info@schuster-energie.de +49 2181 69040	FACTORY OFFICIAL SEAL	
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. Bernd Pösl	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			



Attachment 1: Examples of marking plate

 Bauart geprüft Sicherheit Regelmäßige Produktions- überwachung www.tuv.com ID: 0000049012		Zumtobel Lighting GmbH Schweizerstraße 30 A-6850 Dornbirn/Austria	
Model		HVS	
ONLITE central CPS			
TYP			
HVS-KS08-R-IV7-6.5A-21kW-1h-75Ah-1UVi-5Uve-1BNW			
UVS1-32E-DCL-6.3A-320L-8EM-8I-2M-7DA-7DIO-T			
CHARGE	V1 200 C1B	PKN.	DEMO 1
Kd. Nr.		Kd.Nr.2	
NETZ	400V/3/N/PE	F NETZ	50Hz
Szu (kVA)	5.75 / 1.55 / 1.63	Bauseitige Absicherung	3x63 A
Un BATT / Min. Versorg. U	216V DC 189V DC / 1 h	Un VERBR.	230V
I BATT / T / Temp	44 A / 1 h / 25°C	P VERBR.	7300W
BATTERIE	75 Ah OGiv BTX-LS 108 Z	Schutzart/ Klasse	IP 20 / I
TEMP.-BER	-5°C bis +40°C	BAUJAHR	2016
 SN EN 50 171 (DIN VDE 0558-508) , SN EN 50 172 (DIN VDE 0108-100)			

 Bauart geprüft Sicherheit Regelmäßige Produktions- überwachung www.tuv.com ID: 0000049012		Zumtobel Lighting GmbH Schweizerstraße 30 A-6850 Dornbirn/Austria	
Model		HVS	
			
TYP			
HVS-HS08-R-IV6-3.3A-14kW-0.5h/1h-90Ah-3UVi-2Uve-2BKU			
UVS1-10E-DC-3.15-50L-8I-1M-1DA , UVS2-20E-DCL-6.3A-100L-16I-1M-2DA-2DIO , UVS3-20S-DCL-10A-50L-2EM-8I-3M-1R/O-T			
CHARGE	V1 200 C1B	PKN.	DEMO 2
Kd. Nr.		Kd.Nr.2	002
NETZ	400V/3/N/PE	F NETZ	50Hz
Szu (kVA)	6.72 / 1.83	Bauseitige Absicherung	3x63 A
Un BATT / Min. Versorg. U	216V DC 189V DC / 1 h	Un VERBR.	230V
I BATT / T / Temp	44 A / 1 h / 25°C	P VERBR.	8300W
BATTERIE	90 Ah OGiv BTX-LS 108 Z	Schutzart/ Klasse	IP 20 / I
TEMP.-BER	-5°C bis +40°C	BAUJAHR	2016
 SN EN 50 171 (DIN VDE 0558-508) , SN EN 50 172 (DIN VDE 0108-100)			





Attachment 2: Product key of the manufacturer

Anlagentyp ggf. Kundenabh.	Gehäusertyp	Gehäusegröße	Einbau Variante / Anordnung der Felder	Türanschlag	Display -View innen/extern	Lademodul	Umschaltung	Anzahl der angeschlossenen Unterstationen	LON Bus ja/nein	Unterstation die im PFC Programm drin ist	Sprache
LPS	HW	03	00	R	iv9	1,2A	07kVA	4UV	L	(1)	DE
HVS	FHW	05	01	L	iv9P	3,3A	14kVA				EN
	KS	06	02	D	ivP	6,5A	21kVA				
	FKS	08	03		iv6	2x6,5A					
	HS	09	04			3x6,5A					
	FHS	11	05			4x6,5A					
	BS		06			5x6,5					
	TUW		07			6x6,5A					
	UW		08								
	FUW		09								
			10								
			MP								

Beispiel HVS-HW05-01-R-iv9-3,3A-07kVA-4UVL-(1) DE

F= Funktionserhalt

K= Kombischrank (Kombination aus Zentrale und Batteriefach)

H= Hauptschrank / Zentrale U= Unterstation

S= Standschrank

W= Wandschrank

03= 1 Feld breit

05= 2 Feld breit

06= 2 Feld breit

BS=Batterieschrank

HS06= 2 Feld breit + 2 Feld hoch

TUW= Hager FWB Wandschrank

HW=UW= Hager FR Wandschrank

FHW=FUW= Funktionserhalt Wandschrank

