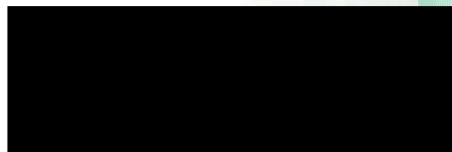


CERTIFICATE

Issued to:
Applicant:
Vossloh-Schwabe Deutschland GmbH
Stuttgarter Str. 61/1
73614 Schorndorf, Germany



Product : Electronic emergency units for LED lighting
Trade name(s) : VOSSLOH-SCHWABE
Type(s)/model(s) : EMCc 180.003, EMCc 180.004, EMCc 180.005, EMCc 180.007,
EMCc 180.009, EMCc 180.011, EMCc 180.013, EMCc 180.015,
EMCc 180.016, EMCc 180.019, EMCc 180.027, EMCc 60.000, EMCc 60.001,
EMCc 60.002, EMCc 60.006, EMCc 60.008, EMCc 60.010, EMCc 60.012,
EMCc 60.014, EMCc 60.016, EMCc 60.018, EMCc 60.026, EMCd 180.020,
EMCd 180.021, EMCd 180.022, EMCd 60.023, EMCd 60.024 and
EMCd 60.025

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard(s) EN 61347-2-7:2012 and EN 61347-1:2015
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2109045

DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the ENEC certification agreement.

This certificate is issued on 13 April 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-122857

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

R Zhou
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic emergency units for LED lighting
Trade name(s)	: VOSSLOH-SCHWABE
Type(s)/model(s)	: EMCc 180.003, EMCc 180.004, EMCc 180.005, EMCc 180.007, EMCc 180.009, EMCc 180.011, EMCc 180.013, EMCc 180.015, EMCc 180.016, EMCc 180.019, EMCc 180.027, EMCc 60.000, EMCc 60.001, EMCc 60.002, EMCc 60.006, EMCc 60.008, EMCc 60.010, EMCc 60.012, EMCc 60.014, EMCc 60.016, EMCc 60.018, EMCc 60.026, EMCd 180.020, EMCd 180.021, EMCd 180.022, EMCd 60.023, EMCd 60.024 and EMCd 60.025
Rated voltage	: 220-240 V
Rated frequency	: 50-60 Hz
Max case temperature	: $t_c = 65\text{ }^{\circ}\text{C}$
Ambient temperature range	: $t_a = 5\ldots 50\text{ }^{\circ}\text{C}$
Duration of emergency operation	: 1 hr to 8 hr
Output voltage	: 12 V - 220 V
Switching power	: 0,5 up to 6 W
Description	: Emergency conversion units for use in LED luminaires. Provided with screwless terminals. All types for internal wiring only (0,5... 1,5 mm ²) with exception of models EMCc 180.019 and EMCc 60.018 which are suitable for external wiring (0,5... 1,5 mm ²).

TESTS**Test requirements**

EN 61347-2-7:2012

EN 61347-1:2015

Test result

The test results are laid down in DEKRA test file 342623500.

Additional information

This certificate replaces certificate No. 88-112992 which we hereby declare invalid.

The list of components is laid down in test report 3426235.50.

Conclusion

The examination proved that all requirements were met.



Additional information about the type designation:

Models: EMCc 60.006, EMCc 60.008, EMCc 60.010, EMCc 60.026,
EMCc 180.007, EMCc 180.009, EMCc 180.011 and EMCc 180.027
are Standard Emergency Lighting Units

Models: EMCc 60.000, EMCc 60.001, EMCc 60.002, EMCc 60.012, EMCc 60.014,
EMCc 60.016, EMCc 60.018,
EMCc 180.003, EMCc 180.004, EMCc 180.005, EMCc 180.013, EMCc 180.015, EMCc
180.016 and EMCc 180.019
are Emergency Lighting Units with Self Test (IT with 12h charging time)

Models: EMCd 60.023, EMCd 60.024, EMCd 60.025,
EMCd 180.020, EMCd 180.021 and EMCd 180.022
are Computer Addressable Self-testing Emergency Lighting Units