

CERTIFICATE

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

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

Product : Electronic controlgear for LED modules
Trade name(s) : VS LIGHTING SOLUTIONS or Vossloh-Schwabe Deutschland GmbH
Type(s)/model(s) : ECXd 1050.560, ECXd 1400.561, ECXe 1050.558 and ECXe 1400.559

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

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

- a type test according to EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 61347-1:2015/A1:2021 and EN IEC 62384:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6061104

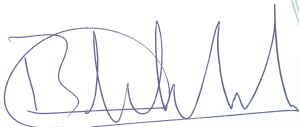
DEKRA hereby grants the right to use the ENEC certification mark.

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 11 April 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-123043 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic controlgear for LED modules
Trade name(s)	: VS LIGHTING SOLUTIONS or Vossloh-Schwabe Deutschland GmbH
Type(s)/model(s)	: ECXd 1050.560, ECXd 1400.561, ECXe 1050.558 and ECXe 1400.559
Primary voltage	: 220-240 V, 196-250 V d.c.
Rated frequency	: 50-60 Hz, 0 Hz
Primary current	: From 0,2 to 0,3 A for 50-60 Hz, from 0,26 to 0,33 A for 0 Hz
Secondary current	: From 0,3 to 1,4 A
Secondary power	: From 13,2 to 52 W
Classification	: Independent
Type of load	: LED modules, power LED

TESTS**Test requirements**

EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 61347-1:2015
EN 61347-1:2015/A1:2021
EN IEC 62384:2020

Test result

The test results are laid down in DEKRA test file 350964600.

Additional information

DEKRA test report No. 3500336.464 and 3500336.465 are laid down in DEKRA test file 350964600; they contain test results.

For specific Model/Type electrical rating refer to following pages.

This certificate replaces certificate No. 81-123043 which we hereby declare invalid.

The list of components is laid down in test report 3500336.464.

Conclusion

The examination proved that all requirements were met.

Factory location


General product information: The devices are electronic controlgears, intended to supply high power Light Emitting Diodes or LED modules. The devices have a stabilized output current (CC), settable by DIP switch.									
Types	Supply voltage (V)	Supply current (A)	Power Factor	Output power (W)	Output current (A)	Uout (V)	t _a (°C)	t _c (°C)	Use [1]
ECXd 1400.561	220-240 176-275*	0,3 0,33*	0,95	27,3-52	0,65-1,4	59	-20..45	90	II, E, 110, SELV
ECXd 1050.560	220-240 176-275*	0,2 0,26*	0,95	16,2-40	0,3-1,05	59	-20..50	85	II, E, 110, SELV
ECXe 1400.559	220-240 176-275*	0,3 0,33*	0,95 (P _{out} ≥32,8W)	27,3-52	0,65-1,4	59	-20..45	80	II, E, 110, SELV
ECXe 1050.558	220-240 176-275*	0,22 0,27*	0,95 (P _{out} ≥28,6W)	13,2-42	0,3-1,05	59	-20..45	80	II, E, 110, SELV

Notes: *values with d.c. supply, rated 196-250V, extended 176-275 V. [1] – II= independent IP20; E= protective earth; 110=thermal protection (C.5.a automatic resetting type); SELV=SELV output.