

CERTIFICATE

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

Licensee:
Vossloh-Schwabe Deutschland GmbH
Stuttgarter Strasse 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 700.436 187053 and ECXd 700.436 187054

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 3409202

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 5 May 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-112360 REV.2

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director


Miranda Zhou
Certification Manager

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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 700.436 187053 and ECXd 700.436 187054
Primary voltage	: 220-240 V for a.c., 196-250 V for d.c.
Rated frequency	: 50 - 60 Hz, 0 Hz
Primary current	: 0,15 A for a.c., 0,18 A for d.c.
Secondary current	: From 0,25 to 0,7 A
Secondary power	: 11,5-26 W
Type of load	: LED modules, power LED
Classification	: Independent, Built in with double insulation

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

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

This certificate replaces certificate No. 81-112360 REV.1 which we hereby declare invalid.

The list of components is laid down in test report 3509646.140 and 3509646.141.

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) depending on the selection of the DIP switch; the DIP switch options are detailed both in the technical specification and in the marking plates.									
Types	Supply voltage (V)	Supply current (A)	Power Factor	Max. output power (W)	Output current (A)	Uout (V)	t _a (°C)	t _c (°C)	Use [1]
ECXd 700.436 187054	220-240 176-275*	0,15 0,18*	0,8 C-0,95	26	0,25-0,7	59	-25..40	80	II, MM, 110, SELV
ECXd 700.436 187053							-25..45	80	DI, MM, 110, SELV

Notes: *values with d.c. supply, rated 196-250V, extended 176-275 V. [1] – II=independent, class II; DI=built-in with double insulation; MM=suitable for direct mounting on normally flammable surfaces (EN 60598-1); 110=thermal protection (C.5.a automatic resetting type); SELV=SELV output.

Connections		
Input supply	L, N	screwless terminal block 0,5...1,5 mm ² (0,75...1,5 mm ² for independent model)
DALI control	DA	screwless terminal block 0,5...1,5 mm ² (0,75...1,5 mm ² for independent model)
Output load	SEC +, -	screwless terminal block 0,5...1,5 mm ²