

CERTIFICATE

Issued to:
Applicant:
Helvar Components Oy Ab
Yrittäjätie 23
03600 Karkkila, Finland

Licensee:
Helvar Components Oy Ab
Yrittäjätie 23
03600 Karkkila, Finland

Product : Electronic controlgear (LED driver)
Trade name(s) : Helvar Components
Type(s)/model(s) : LL120HE-DA-200-900-IND, LL165HE-DA-300-1050-IND and
LL80HE-DA-100-800-IND

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 based on:

- a type test according to EN 61347-1:2015, EN 61347-1:2015/A1:2021, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017 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 4351636

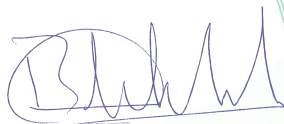
DEKRA hereby grants the right to use the ENEC certification mark.

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 28 July 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-161860

DEKRA Certification B.V.

A blue ink signature of B.T.M. Holtus.

B.T.M. Holtus
Managing Director

A blue ink signature of Kreny Lin.

Kreny Lin
Certification Manager

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ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic controlgear (LED driver)
Trade name(s)	: Helvar Components
Type(s)/model(s)	: LL120HE-DA-200-900-IND, LL165HE-DA-300-1050-IND and LL80HE-DA-100-800-IND
Rated voltage	: 220-240 VAC/DC
Rated frequency	: 0/50-60 Hz
Additional information	: auto-wound, non-inherently short-circuit proof, 120 °C thermal protection, EL mark.

Product data – type LL120HE-DA-200-900-IND

Input current	: 0,54-0,59A
Power factor	: 0,58c-0,99
Max. case temperature (tc)	: 85°C

Product data – type LL165HE-DA-300-1050-IND

Input current	: 0,72-0,8A
Power factor	: 0,65c-0,99
Max. case temperature (tc)	: 90°C

Product data – type LL80HE-DA-100-800-IND

Input current	: 0,36-0,41A
Power factor	: 0,45c-0,99
Max. case temperature (tc)	: 90°C

TESTS**Test requirements**

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

Test result

The test results are documented in DEKRA test file 4937221.50,4937221.51.

Additional information

This certificate replaces certificate No. 35-140711 which we hereby declare invalid.

The list of components is laid down in test report 4937221.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory locations

Helvar Components Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Trade name(s) : Helvar Components stands for

Helvar
Components