

CERTIFICATE

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

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

Product : Electronic controlgear (LED driver)
 Trade name(s) : Helvar
 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 on the basis of:

- 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

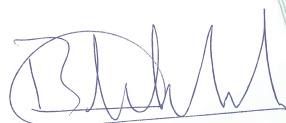
DEKRA hereby grants the right to use the ENEC certification mark.

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

Certificate number: 35-140711

DEKRA Certification B.V.



B.T.M. Holtus
 Managing Director



R Zhou
 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
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 laid down in DEKRA test file 491453300.

Additional information

This certificate replaces certificate No. 35-133055 which we hereby declare invalid.

The list of components is laid down in test report 4914533.50,4914533.51.

Conclusion

The examination proved that all requirements were met.

Factory locations

Helvar Components Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Trade name(s) : Helvar stands for

Helvar