

CERTIFICATE

Issued to:

Applicant:

Helvar Components Oy Ab
Yrittäjätie 23
03600 Karkkila, Finland

Licensee:

Helvar Components Oy Ab
Yrittäjätie 23
03600 Karkkila, Finland

Product : Built-in LED controlgear
Trade name(s) : Helvar Components
Type(s)/model(s) : LL50SE-DA-100-1400 and LL50SE-DA-100-1400-DS

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

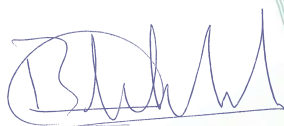
DEKRA hereby grants the right to use the ENEC certification mark.

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 27 June 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-159982

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Rosa Zhou
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Built-in LED controlgear
Trade name(s)	: Helvar Components
Type(s)/model(s)	: LL50SE-DA-100-1400 and LL50SE-DA-100-1400-DS
Rated input voltage	: 220-240 VAC/DC
Rated frequency	: 50-60 Hz
Rated current	: 0,25-0,28 A
Additional information	: built-in controlgear with double or reinforced insulation, SELV, non-inherently short-circuit proof, 120 °C thermal protection, EL mark.
Ambient temperature (ta)	: -25 - 45 °C
Max. case temperature (tc)	: 85 °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 4937216.50,4937216.51.

Additional information

This certificate replaces certificate No. 35-124527 which we hereby declare invalid.

The list of components is laid down in test report 4937216.50.

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

Model No.	Input			Output				ta (°C)	tc (°C)
	Voltage (VAC/VDC)	Current (A)	PF	Constant current (mA)	voltage (Vdc)	No load voltage (Vdc)	Power (W)		
LL50SE-DA-100-1400	220-240	0,25-0,28	0,3c 0,98	350	25-54	60	18,9	-25 - 45	85
				1400	25-36		50,4		
				100-1400 (NFC)	25-54		5,4-50,4		

Model No.	Input			Output				DIP switch 1 2 3	ta (°C)	tc (°C)
	Voltage (VAC/VDC)	Current (A)	PF	Current (mA)	Voltage (Vdc)	No load voltage (Vdc)	Power (W)			
LL50SE-DA-100-1400-DS	220-240	0,25-0,28	0,3c-0,98	350	20-54	60	2-50,4	0 0 0	-25 - 45	85
				400	20-54			1 0 0		
				500	20-54			0 1 0		
				600	20-54			1 1 0		
				700	20-54			0 0 1		
				800	20-54			1 0 1		
				900	20-54			0 1 1		
				1050	20-54			1 1 1		