

CERTIFICATE

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

Licensee:
Helvar Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

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

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

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

- a type test according to the standard(s) 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

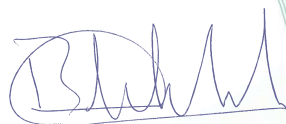
DEKRA hereby grants the right to use the ENEC certification mark.

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 7 July 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-124527

DEKRA Certification B.V.



B.T.M. Holtus
 Managing Director



K Xu
 Certification Manager

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 DUTCH ACCREDITATION
 COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Built-in LED controlgear
Trade name(s)	: Helvar
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
Power factor	: 0,98
Additional information	: 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 laid down in DEKRA test file 438979000.

Additional information

This certificate replaces certificate No. 35-114649 which we hereby declare invalid.

The list of components is laid down in test report 4389790.50, 4389790.51.

Conclusion

The examination proved that all requirements were met.

Factory locations

Helvar Oy Ab
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Trade name : Helvar stands for

Helvar

Model list:

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		