

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME

## CB TEST CERTIFICATE

Product

Built-in LED controlgear

Name and address of the applicant

Helvar Oy Ab  
Yrittäjätie 23, FI-03600 Karkkila  
Finland

Name and address of the manufacturer

Helvar Oy Ab  
Yrittäjätie 23, FI-03600 Karkkila  
Finland

Name and address of the factory

 Additional information on page 2

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

Input: 220-240 VAC/VDC, 50-60 Hz, ta: -20...+50 °C, tc: 75 °C, λ=0,98, built-in controlgear, constant current, non-inherently short-circuit proof, 120 °C thermal protection;  
Other information refers to model list of test report.

Trademark (if any)

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

LL1x10-42-E-DA, LL1x23-80-DA, LL1x110-E-DA

Additional information (if necessary may also be reported on page 2)

 Additional information on page 2

A sample of the product was tested and found to be in conformity with

IEC 61347-1:2015, IEC 61347-1:2015/AMD1:2017, IEC 61347-2-13:2014, IEC 61347-2-13:2014/AMD1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

National differences:  
EU Group Differences, EU Special National Conditions  
4371617.50

This CB Test Certificate is issued by the National Certification Body

DEKRA Certification B.V.  
Meander 1051, NL-6825 MJ Arnhem, Netherlands

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**Additional factory**

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