

CERTIFICATE ENEC/FI 2008052 M2



Our Ref. 274466-1

Product Electronic ballast for tubular fluorescent lamps
Rating and principal characteristics See page 2
Trade mark (if any) HELVAR
Type EL1x36ngn, EL1x58ngn, EL1x18ngn
Name and address of the licensee Helvar Oy Ab
 PL 100
 FI-03601 KARKKILA, FINLAND

Address of the manufacturer Helvar Oy Ab
 Yrittäjätie 23
 FI-03600 KARKKILA, FINLAND

Is in conformity with EN 61347-2-3:2011
 EN 61347-1:2008 + A1:2011 + A2:2013
 EN 60929:2011
 IEC 61347-2-3:2011 (Ed 2)
 IEC 61347-1:2007 (Ed 2) + A1:2010 + A2:2012
 IEC 60929:2011 (Ed 4)

As shown in the Test Report(s) No(s) 252006-1a, 252006-1a Amendment-1...-3
 252006-1b, 252006-1b Amendment-1...-3
 273165-1_A, 273165-1_B
 273165-1_A Amendment-1, 273165-1_B Amendment-1

It is authorized to use of the marks ENEC 16 and FI

Validity This certificate is valid until 25 November 2018 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the European Union. This certificate includes the right to use the ENEC 16 and FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for ENEC and FI certification are met.

Directive information The product(s) fulfils the essential safety requirements for CE conformity marking according to the Low Voltage Directive (2006/95/EC) at the date of issue of this certificate.

With the following limitations -

Date of issue 03 March 2014

Signature

 Kari Vesterinen
 Product Line Manager



This certificate has 3 pages



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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Rating and principal characteristics

EL1x18ngn: 220-240V; 0/50-60Hz; 1x18W (FD-18-G13); 0,09-0,08A;
 λ 0,98; t_c 75°C; U-OUT=250V; t_a = -20...+50°C
EL1x36ngn: 220-240V; 0/50-60Hz; 1x36W (FD-36-G13); 0,16-0,15A;
 λ 0,98; t_c 75°C; U-OUT=250V; t_a = -20...+50°C
EL1x58ngn: 220-240V; 0/50-60Hz; 1x58W (FD-58-G13); 0,26-0,23A;
 λ 0,98; t_c 75°C; U-OUT=250V; t_a = -20...+50°C

Additional information

This certificate replaces previous ENEC/FI certificate No. 2008052 M1, dated 25 November 2013. The certificate has been updated due to added model EL1x18ngn.

The product has CB certificate No. FI 5234 M2 issued by SGS Fimko Ltd in accordance with the CB system.