



# CERTIFICATE FI 28067

Our Ref. 271927-1

**Product** Quick connect termination, 2-, 3- and 5 -pole

**Type** AL 17 ....  
AL 18 ....  
AL 19 ....

**Trade mark** ENSTO

**Certificate Holder** Ensto Finland Oy  
Ensio Miittisen katu 2  
FI-06150 PORVOO, FINLAND

**Manufacturer** Ensto Finland Oy  
Ensto Building Technology  
Ensio Miittisen katu 2  
FI-06150 PORVOO, FINLAND

**Technical information** AL 17: 5-pole 450/230 V, 2,5 mm<sup>2</sup>, IP20  
AL 18: 3-pole 450/230 V, 2,5 mm<sup>2</sup>, IP20  
AL 19: 2-pole 48 V, 4 mm<sup>2</sup>, IP20

**Other information** 16 A, with or without cord-anchorage and cover.  
See the Appendix to this Certificate

**The product is certified according to the following standard(s)** EN 60998-1:2004  
EN 60998-2-1:2004  
EN 61535:2009 clause 19.4

**Validity** This certificate is valid until 29 May 2018 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the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 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 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 the certificate.

**Date of issue** 29 May 2013

**Signature** **SGS Fimko Ltd**

Sixten Löfkors  
Project Manager



This certificate has 1 appendix

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.



**Manufacturing sites**

AS A&G  
Kadaka tee 46a  
EE-12915 TALLINN, ESTONIA

Ensto Finland Oy  
Ensto Building Technology  
Ensio Miettisen katu 2  
FI-06150 PORVOO, FINLAND

**Additional information**

AL 17.1..., AL 18.1..., AL 19.1... male parts  
AL 17.2..., AL 18.2..., AL 19.1... female parts

type	terminals	classification	description
5-pole			450/230 V
AL 17.1/2	screw	IP00	without cover
AL 17.10/20	screw	IP20	with cover and cord-anchorage (Ø 7,4-17,0 mm)
3-pole			450/230 V
AL 18.1/2	screw	IP00	without cover
AL 18.10/20	screw	IP20	with cover and cord-anchorage (Ø 5,0 – 14,5 mm)
ALF 18.1../2..	crimping	IP20	non-rewirable, H05VV-F 3G0,75-1-1,5 mm <sup>2</sup>
ALF 18.3...	crimping	IP20	combination ALF 18.1 + cord + ALF 18.2
2-pole			48 V
AL 19.1/2	screw	IP00	without cover