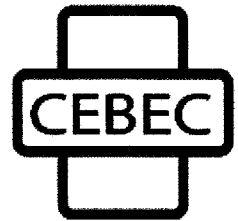


LICENCE

No. 16543

Issued to:
Applicant:
Plugwise B.V.
Wattstraat, 56
2171 TR SASSENHEIM
Netherlands



Licensee:
Plugwise B.V.
Wattstraat, 56
2171 TR SASSENHEIM
Netherlands

Product : plug-in adaptors
Trade name(s) : PLUGWISE
Type(s)/model(s) : Circle, Circle+

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

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

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1443

SGS CEBEC hereby grants the right to use the CEBEC certification mark

The CEBEC certification mark may be applied to the product as specified in this licence for the duration of the CEBEC certification agreement and under the conditions of the CEBEC certification agreement.

This licence is issued on: 24/02/2010

ir. C. Lana,
Certification Manager

© Only integral publication of this certificate, including the annex, is allowed
This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	plug-in adaptors
Trade name(s)	:	PLUGWISE
Type(s)/Model(s)	:	Circle, Circle+
rated current (In)	:	16 A
rated power	:	3680 W
rated voltage (Un)	:	230 Vac
kind of load	:	16 A resistance 4 A inductive (motor)
method of actuating	:	ZigBee-MESH-network
method of disconnection	:	relay; micro gap
design	:	safety socket outlet (with shutters)
earthing	:	plug part provided with dual earthing system. socket part provided with pin earthing contact
standard sheet	:	socket outlet : V plug : VII
description	:	body of thermoplastic material, provided with electronics
markings	:	are shown on the body

TESTS

Test requirements

NBN C 61-112-1:1990 + A1:1993 + A2:1995 + A3:1999 + A4:2001 + A5:2004 + A6:2007
 NBN C 61-112-3:1991
 NBN EN 60730-1 based on EN 60730-1:2000 + A12:2003 + A1:2004 + A13:2004 + A14:2005 +
 A16:2007 + A2:2008

Test results

The test results are laid down in certification file ref.587019/01

Remarks

This certificate is based on certificate KEMA No.: 2127769.01 and test report(s) ref.
 2127769.50-QUA\DCC, 2127769.51-QUA\DCC and 2127769.52-QUA\DCC

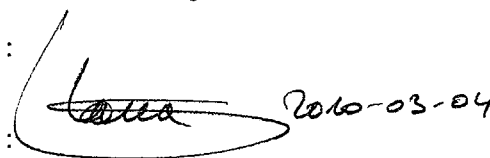
Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Zanutto Luigi - 24/02/2010

Department Manager,
Product Certification :

Certification Manager :

A handwritten signature in black ink, followed by the date '2010-03-04' written in a similar style.

FACTORY LOCATION(S)

Applied Micro Electronics "AME" B.V.
ESP 100,
5633 AA Eindhoven
Netherlands

Additional information :

The Circle is a basic element of the Plugwise system. It is a plug which is easily placed between the wall socket and the plug of the appliance.

The smart plug measures the energy consumption of the connected appliance and stores the data in its own memory. Additionally it can switch the appliance on and off.

Energy-consumption data are transmitted to the Plugwise software, installed on your PC via a wireless Zigbee-MESH-network.

The energy usage-data of the connected appliance are subsequently processed by the software into clear overviews and graphs. From your computer you can wirelessly switch the connected appliance on and off, either manually or automatically through pre-set switching schedules. The plug also contains a stand-by killer function.

The Circle + contains additional characteristics within the network, apart from the basic functions of the Circle.

The Circle + functions as a coordinator in the build-up of the Plugwise network. It keeps track of those Circles which are part of the network and communicates this information to the stick in the computer.

List of components :

Component	Trade name	Type/model	Approval mark ¹⁾
Printed Wire Board (main)	AME	2008 power meter R06	*
Printed Wire Board (receiver)	AME	2008 NU	*
Relay	Hongfa	JQX-115F 005-1H3A(555) 5Vdc / 16A-250 V	*
¹⁾ * indicates a component tested as part of the product			