

PID:

12100047

CID:

CN.P0008A

## Certificato di approvazione

*Approval certificate*



**IMQ, ente di certificazione accreditato,  
autorizza la ditta**

*IMQ, accredited certification body, grants to*

PRD N° 005B

Membro degli Accordi di Mutuo  
Riconoscimento EA, IAF e ILAC  
Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements

**VANDERBILT INTERNATIONAL (IRL) LTD.  
CLONSHAUGH BUSINESS & TECHNOLOGY PARK  
DUBLIN D17 KV84  
IE - Ireland**

**all'uso del marchio**

*the licence to use the mark*

**IMQ-SISTEMI DI SICUREZZA**



**Il presente certificato è  
soggetto alle condizioni  
previste nel Regolamento  
"MARCHI IMQ -  
Regolamento per la  
certificazione di prodotti" ed  
è relativo ai prodotti  
descritti nell'Allegato al  
presente certificato.**

**per i seguenti prodotti**

**Centrali antiintrusione  
( Modd. SPC5320.320-L1 -  
SPC4320.320-L1 )**

*This certificate is subjected to  
the conditions foreseen by Rules  
"IMQ MARKS - RULES for  
product certification" and is  
relevant to the products listed in  
the annex to this certificate.*

*for the following products*

*Intrusion systems - Control and  
indicating equipment  
( Models SPC5320.320-L1 -  
SPC4320.320-L1 )*

*Emesso il / Issued on* **2015-02-04**

*Aggiornato il / Updated on* **2019-04-11**

*Sostituisce / Replaces* **2016-06-15**

*Scade il / Expires on* **2022-04-10**

**IMQ** S.p.A.

Allegato - Certificato di approvazione  
Annex - Approval certificate

Emesso il / Issued on 2015-02-04  
Aggiornato il / Updated on 2019-04-11  
Sostituisce / Replaces 2016-06-15  
Scade il / Expires on 2022-04-10

## Prodotto | Product

# Centrali antiintrusione Intrusion systems - Control and indicating equipment

## Concessionario | Licence Holder

VANDERBILT INTERNATIONAL (IRL) LTD.  
CLONSHAUGH BUSINESS & TECHNOLOGY PARK  
DUBLIN D17 KV84  
IE - Ireland

## Marchio | Mark



IMQ-  
SISTEMI DI  
SICUREZZA

## Costruito a | Manufactured at

PL.00010F C04963707 4024 Laguna Technopark, Binan, Laguna Philippines

Copia del presente certificato deve essere conservata presso i luoghi di produzione sopra elencati.

Copy of this certificate must be available at the manufacturing places listed above

## Norme / Specifiche tecniche

Prodotto/i conforme/i alle Norme/Specifiche tecniche:

EN 50131-1:2006 + A1:2009  
EN 50131-3:2009  
EN 50131-6:2008 + A1:2014  
EN 50130-4:2011 + A1:2014  
EN 50130-5:2011  
EN 50136-1:2012  
EN 50136-2:2013  
EN 50131-10:2014  
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013  
Prodotti conformi agli obiettivi di sicurezza della Direttiva B.T.  
2014/35/UE (Allegato I).

## Standards / Technical specifications

Product/s complying to Standards/Technical specifications:

EN 50131-1:2006 + A1:2009  
EN 50131-3:2009  
EN 50131-6:2008 + A1:2014  
EN 50130-4:2011 + A1:2014  
EN 50130-5:2011  
EN 50136-1:2012  
EN 50136-2:2013  
EN 50131-10:2014  
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013  
Products meeting the safety objectives of Low Voltage Directive  
2014/35/EU (Annex I).

## Rapporti | Test Reports

SS15L0557417-01; SS14A0238692-01; SS18-0022851-01

## Caratteristiche tecniche | Technical characteristics

Tensione nominale alimentazione / Rated supply voltage **230 V**  
Frequenza nominale alimentazione / Rated supply frequency **50 Hz**  
Corrente massima assorbita / Rated current **200 mA**  
Numero ingressi / Inputs **128 zone max / 128 zones max**  
Tipo di interconnessione / Interconnection type **Filare / Wired**  
Grado di sicurezza / Security grade **Grade 2**  
Classe ambientale / Environmental class **Class II**

## Articoli (con dettagli) | Articles (with details)

AR.00096N

Marca / Trade Mark **SIEMENS**  
Modello / Model **SPC5320.320-L1**

Tipo di capacità massima della batteria di accumulatori  
alloccabile / Type and maximum capacitance of the battery **12 V - 7 Ah max**

Altre caratteristiche / Further characteristic **Vedere ulteriori informazioni / See Additional Information**

AR.P000JG

Marca / Trade Mark **SIEMENS**  
Modello / Model **SPC4320.320-L1**

Tipo di capacità massima della batteria di accumulatori  
allocabile / Type and maximum capacitance of the battery **12 V - 7 Ah max**

Altre caratteristiche / Further characteristic **Vedere ulteriori informazioni / See Additional Information**

AR.Q004UQ

Marca / Trade Mark **VANDERBILT**  
Modello / Model **SPC5320.320-L1**

Tipo di capacità massima della batteria di accumulatori  
allocabile / Type and maximum capacitance of the battery **12 V - 7 Ah max**

Altre caratteristiche / Further characteristic **Vedere Ulteriori Informazioni / see Additional Information**

AR.Q004UR

Marca / Trade Mark **VANDERBILT**  
Modello / Model **SPC4320.320-L1**

Tipo di capacità massima della batteria di accumulatori  
allocabile / Type and maximum capacitance of the battery **12 V - 7 Ah max**

Altre caratteristiche / Further characteristic **Vedere Ulteriori Informazioni / see Additional Information**

## Ulteriori informazioni | Additional Information

Centrale di allarme SIEMENS e VANDERBILT modello SPC5320.320-L1 and SPC4320.320-L1, differenti solo per il massimo numero di zone gestibili, rispettivamente 128 e 32.

Centrale con involucro metallico (E-CA138612), dimensioni 264 x 357 x 81 mm.

Apparecchiature montate all'interno dell'involucro della centrale:

- Scheda madre CPU (pwb type E-PC137023 code SPC6300.000 Rev. A6) con PSU integrato, 8 ingressi e 5 uscite, connessione Ethernet presente su scheda, linea RS485 BUS per dispositivi esterni.

- Trasformatore di rete modello E-CCT-1013F (230Vac, 50Hz, out 18V, 2500mA) prodotto da FUYUAN ELECTRONIC COMPANY.

- Batteria massima allocabile 12V - 7 Ah

- SPCN110.000 PSTN Modulo, V90 - E-PC137421 Rev.A1 V2.08 e/o

- SPCN310.000 GSM Modulo incl. Antenna E-PC132011 Rev.A1 V3.08.

Periferiche esterne gestibili dalla centrale:

- Tastiera SPCK420.100 LCD-Keypad, 2x16 Char. Cabinet E-CA130102, Board E-PC137131 Rev.A V2.09

- Tastiera SPCK421.100 LCD-Keypad, 2x16 Char, CR. Cabinet E-CA130102, Board E-PC137131 Rev.A V2.09

- Tastiera SPCK620.100 Comfort Keypad, Cabinet E-CA132001, Board E-PC141014 Rev.A V1.02

- Tastiera SPCK623.100 Comfort Keypad w. Audio/CR, Cabinet E-CA132101, Board E-PC141014 Rev.A V1.02

- Espansione I/O SPCE652.100, 8In/2Out, Backtamp Rev. 1.3 PCB, Cabinet E-CA130702, board E-PC139613 Rev.A1 V1.10

- Espansione SPCE452.100, 8 Relays, Backtamp Rev. 1.3, Cabinet E-CA130702, board E-PC139713 Rev.A1 V1.10

- Espansione contatto a chiave SPCE110.100, Cabinet E-CA131601, board E-PC141212 Rev.A V1.01

- Espansione 16 LED SPCE120.100, Cabinet E-CA131701, board E-PC141312 Rev.A V1.03

- Gruppo di alimentazione con modulo di espansione modello SPCP332.300 PSU (7Ah), Cabinet E-CA138612, Board E-PC139514 Rev. A1 / E-PC139613 Rev. A1 PSU V10 Exp. V1.10

Versione software certificata: V3.8.5

Control and indicating equipment (CIE), trademark SIEMENS and VANDERBILT type SPC5320.320-L1 and SPC4320.320-L1 used in alarm systems.

Only difference from models is the max number of zones, respectively 128 and 32.

SPC5320.320-L1 (Metal Enclosure, Cabinet E-CA138612, dimensions 264 x 357 x 81 mm) internally is fitted with the following main parts:

- CPU board (pwb type E-PC137023 code SPC6300.000 Rev. A6) with integrated PSU, 8 inputs and 5 outputs (2 internal / external bell, 3 freely programmable (each max. 400 mA resistive switching current, supplied via auxiliary output)), Ethernet on board, 1 RS485 BUS line for external devices integrated

- Allocable lead acid battery max 12 V - 7 Ah

- Main transformer model E-CCT-1013F (230Vac, 50Hz, out 18V, 2500mA) manufactured by FUYUAN ELECTRONIC COMPANY

- SPCN110.000 PSTN Module, V90 - E-PC137421 Rev.A1 V2.08 or

- SPCN310.000 GSM Module incl. Antenna E-PC132011 Rev.A1 V3.08.

Model SPC5320.320-L1 is also provided with the following external devices:

- Keyboard SPCK420.100 LCD-Keypad, 2x16 Char. Cabinet E-CA130102, Board E-PC137131 Rev.A V2.09

- Keyboard SPCK421.100 LCD-Keypad, 2x16 Char, CR. Cabinet E-CA130102, Board E-PC137131 Rev.A V2.09

- Keyboard SPCK620.100 Comfort Keypad, Cabinet E-CA132001, Board E-PC141014 Rev.A V1.02

- Keyboard SPCK623.100 Comfort Keypad w. Audio/CR, Cabinet E-CA132101, Board E-PC141014 Rev.A V1.02

- SPCE652.100 Expander, 8In/2Out, Backtamp Rev. 1.3 PCB, Cabinet E-CA130702, board E-PC139613 Rev.A1 V1.10

- SPCE452.100 Expander, 8 Relays, Backtamp Rev. 1.3, Cabinet E-CA130702, board E-PC139713 Rev.A1 V1.10

- SPCE110.100 Key Switch Expander, Cabinet E-CA131601, board E-PC141212 Rev.A V1.01

- SPCE120.100 Indication Expander w. CR, Cabinet E-CA131701, board E-PC141312 Rev.A V1.03

- SPCP332.300 PSU (7Ah), w. I/O Exp. Cabinet E-CA138612, Board E-PC139514 Rev. A1 / E-PC139613 Rev. A1 PSU V10



Exp. V1.10

Software version identification: V3.8.5

## Componenti | Component List

**Vedere apposto elenco / See relevant annex**

Emesso il | Issued on **2015-02-04**



Aggiornato il | Updated on **2019-04-11**

Sostituisce | Replaces **2016-06-15**

Scade il | Expires on **2022-04-10**

## Diritti di concessione | Annual Fees

|                  |                        |  |   |
|------------------|------------------------|--|---|
| <i>SN.0000X0</i> | <b>EMT.121000.DA2N</b> | <i>Importo modelli IMQ - centrali - 1210 - Centrali ed apparati ausiliari   IMQ models - control panel - 1210 - Central processing units and auxiliary apparatus</i> | 4 |
|------------------|------------------------|--|---|

| Object/part No.                              | Manufacturer/<br>trademark  | Type/model                               | Technical data   | Standard<br>(Edition /<br>year)   | Mark(s) of<br>conformity <sup>1)</sup> |
|--|---|--|--|---|--|
| Mains connectors<br>with fuse holder         | CamdenBoss Ltd,   | CFTBN                                    | 250V, 13A, 120°C,<br>Flame class<br>UL94V-0  | IEC 60257<br>ANSI/UL<br>1059, IEC<br>60998-1,<br>IEC60998-2-1               | IMQ,<br>cURus(E16725<br>1), VDE        |
| Primary fuse<br>(2)                          | Cooper Bussmann Llc   | S506 Series,<br>Time Delay,<br>GlassTube | T 250mA L, 250V,<br>5x20mm Fuses   | ANSI/UL 248-<br>1, ANSI/UL<br>248-14, IEC<br>60127-3/4                      | cUR, CSA,<br>IMQ, VDE                  |
| Transformer                                  | Fuyuan Electronic Co.   | E-CCT-1013E                              | Class B  | See Annex 5   | Tested in<br>appliance                 |
| Thermal<br>protection                        | Zhongshan Joint-Force<br>Electron Co Ltd<br> | L33                                      | thermal cutoff<br>130°C, 250V, 2A  | ANSI/UL<br>60691 IEC<br>60691   | UR(E142267),<br>CSA, VDE, S            |
| Battery<br>(2)                               | GS Yuasa International<br>Ltd   | NP 7-12 FR                               | 12V, 7.0Ah<br><br>Enclosure UL<br>flame class min.<br>V0                                   | ANSI/UL 1989  | UR (MH12970)                           |
| <b>Mother board/PS board type E-PC137023</b> |   |  |  |   |  |
| Secondary<br>connectors                      | Anglia Components Ltd<br>                    | Series TBP/BG<br>or equivalent           | 250V, Ta 120°C,<br>UL flame class<br>UL94V-0   | ANSI/UL<br>1059, with<br>ANSI/UL<br>60947-1                                 | UR (E191619)                           |
| Lithium battery<br>BT1<br>(2)                | Renata Sa   | CR1216                                   | 3V, Max Abnormal<br>Charging<br>Current 5mA, Max<br>Abnormal<br>Charging<br>Voltage, 12Vdc | UL 1642   | UR (MH14002)                           |
| Secondary PTC<br>(FSR1, FSR4)                | Bourns Electronics<br>(Taiwan) Ltd  | MF-MSMF110                               | 13.2V, Ihold:1.1A,<br>Itrip 2.2A, Tmoa<br>(°C) 85°C  | UL 1434,<br>CSA-C22.2<br>No.72<br>IEC 60730-1<br>EN 60738-1-1<br>EN 60738-1 | cUR,<br>(E174545),<br>TUV              |
| Secondary PTC<br>(FSR2, FSR3)                | Bourns Electronics<br>(Taiwan) Ltd  | MF-MSMF050                               | 15V, Ihold:0.5A,<br>Itrip 1A, Tmoa (°C)<br>85°C  | UL 1434,<br>CSA-C22.2<br>No.72<br>IEC 60730-1<br>EN 60738-1-1<br>EN 60738-1 | cUR,<br>(E174545),<br>TUV              |




Annex to Approval Certificate No. CA12.01572

Issue 1

Date: 2019-04-11

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| Object/part No.   | Manufacturer/ trademark  | Type/model                   | Technical data                                    | Standard (Edition/year)                                    | Mark(s) of conformity <sup>1)</sup>    |
|---|--|------------------------------|---|--|--|
| <b>PSTN module type SPCN110 (Board type E-PC137421)</b> |  |                              |   |  |  |
| Relay RL1   | Anglia Components Ltd<br> | K1 Series,<br>Model(s) 47W/5 | Coil: 4.5Vdc<br>Contact AC: 0.5A,<br>125Vac, 60VA | ANSI/UL 508<br>ANSI/UL<br>60947-1,<br>ANSI/UL<br>60947-4-1 | UR (E155971)<br>Tested in<br>appliance |
| Relay RL1<br>(1)  | TE Connectivity  | V23101-D0106-<br>A301        | Coil: 12Vdc<br>Contact AC:<br>125Vac              | –  | UL (111441)                            |
| Relay RL1<br>(1)  | HONGFA   | HFD16/12-ZFH -3              | Coil: 12Vdc<br>Contact AC:<br>125Vac              | –  | UR (E133481)<br>CSA                    |
| Y Capacitors<br>C8, C9<br>(2)                           | Murata Mfg Co Ltd  | GA352QR7GF681<br>KW01L       | 680pF, 250V,<br>125°C, Y2<br>capacitors           | ANSI/UL<br>60384-14,<br>IEC60384-14                        | UR (E37921), S                         |
| Y Capacitors<br>C4, C5<br>(2)                           | Murata Mfg Co Ltd  | GA342D1XGF330<br>JY02L       | 33pF, 250V,<br>125°C, Y2<br>capacitors            | UL 60950-1,<br>IEC60384-14                                 | UR (E316111),<br>S                     |

(1) Component used as alternative.

(2) Approved component replaceable with another one also approved with equivalent characteristics.

**Unless otherwise stated (2), the above components can not be replaced without IMQ authorization.**