

PID:
12100010
CID:
C.1997.3565

Certificato di approvazione

Approval certificate



SGQ N° 005 A	EMAS N° 003 P
SGA N° 006 D	PRD N° 005 B
SGE N° 006 M	PRS N° 080 C
SCR N° 005 F	ISP N° 063 E
SSI N° 003 G	LAB N° 0121
FSM N° 007 I	LAT N° 021

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC

Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

IMQ, ente di certificazione accreditato, autorizza la ditta *IMQ, accredited certification body, grants to*

BENTEL SECURITY SRL
VIA GABBIANO 22
64013 CORROPOLI TE
IT - Italy

all'uso del marchio

the licence to use the mark

CSV-IMQ

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

Alimentatori
(Mod. BAW35T12)

for the following products

Power supplies
(Model BAW35T12)

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.

Emesso il / Issued on **2014-09-15**

Aggiornato il / Updated on **2016-12-23**

Sostituisce / Replaces **2014-09-15**

Scade il / Expires on **2019-12-22**

IMQ S.p.A.

Allegato - Certificato di approvazione
Annex - Approval certificate

Emesso il / Issued on 2014-09-15
Aggiornato il / Updated on 2016-12-23
Sostituisce / Replaces 2014-09-15
Scade il / Expires on 2019-12-22

Prodotto | Product

Alimentatori Power supplies

Concessionario | Licence Holder

BENTEL SECURITY SRL
VIA GABBIANO 22
64013 CORROPOLI TE
IT - Italy

Marchio | Mark



CSV-IMQ

Costruito a | Manufactured at

98001733 CLBENT.C12LCBENT+2 64013 CORROPOLI

TE Italy

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 50130-4:2011
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 50130-4:2011
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

SS14A0253255-01; SS16-0001915

Caratteristiche tecniche | Technical characteristics

Tensione nominale di alimentazione | Supply rated voltage **110/230 V ~**
Frequenza nominale di alimentazione | Supply rated frequency **60/50 Hz**
Corrente massima assorbita | Rated current **0.75/0.5 A**
Tensione nominale di uscita | Rated output voltage **13.8 V**
Corrente massima erogabile | Maximum output current **2.6 A**
Capacità massima della batteria di accumulatori ricaricabile | -
Maximum capacitance of the internal battery - / - **17 Ah**
Grado di protezione contro il contatto elettrico | Protection against electric shock **Class I**

Articoli (con dettagli) | Articles (with details)

AR.0006AA

Marca | Trade mark **BENTEL SECURITY**
Modello | Model **BAW35T12**

Ulteriori informazioni | Additional Information

La piena conformità alle norme EN 60950-1 e EN 50130-4 dovrà essere valutata nell'apparecchio utilizzatore. Altre caratteristiche: alimentatore switching da incorporare; c.s. codice SCP-35-R6.

The complete compliance with EN 60950-1 and EN 50130-4 standards shall be verified on the final equipment. Further characteristics: switch mode power supplies to be incorporated; pwb code SCP-35-R6.

Componenti | Component List

Vedere apposito elenco /See relevant annex

Emesso il | Issued on **2014-09-15**

Aggiornato il | Updated on ---

Sostituisce | Replaces ---

Scade il | Expires on **2019-12-22**

Diritti di concessione | Annual Fees

SN.000L3 EMR.121000.DA2W *Importo modelli CSv-IMQ - alimentatori - 1210 - Centrali ed apparati ausiliari | CSv-IMQ models - power supplies - 1210 - Central processing units and auxiliary apparatus* 1

IMQ S.p.A.

Annex to Approval Certificate No. CA12.01520

Issue 1

Date: 2014-09-15

Page 1 of 4

1.5.1		TABLE: List of critical components			
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity)
Terminal Block (TB1) (1)	DINKLE ENTERPRISE	DT-128	10A, 300V, V-0	—	UL
Terminal Block (TB1) (1)(2)	DINKLE	43 series	21A, 300V, V-0	—	UL
Terminal Block (TB1) (1)(2)	DINKLE	45 series	25A, 300V, V-0	—	UL
Terminal Block (TB1) (1)(2)	DINKLE	49 series	25A, 300V, V-0	—	UL
Terminal Block (TB1) (1)(2)	DINKLE	EK -950 series	30A, 300V, V-0	—	UL
Terminal Block (TB1) (1)(2)	HOWDER	HB-95 SERIES HI-20 series	10A, 250V, V-0	—	UL
Terminal Block (TB1) (1)(2)	SWITCHLAB	T14 series, T24 series, T34 series, T35 series	20A, 300V, V-0	—	UL
Terminal Block (TB1) (1)(2)	SWITCHLAB	T44 series	15A, 300V, V-0	—	UL
Terminal Block (TB1) (1)(2)	JITE	BTB-654 series	20A, 300V, V-0	—	UL
Terminal Block (TB1) (1)(2)	SWITCHLAB	MB910 series	30A, 300V, V-0	—	UL
Terminal Block (TB1) (1)(2)	SWITCHLAB	MB312	16A, 300V, V-0	—	UL
Y-capacitors (C3,C4,C22, C23,C29,C30) <small>(Optional) (Y1, Y2 type)</small> (1)	MURATA	KX, KH	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Y-capacitors (C3,C4,C22, C23,C29,C30) <small>(Optional) (Y1, Y2 type)</small> (1)(2)	WALSIN	AC, AH	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Y-capacitors (C3,C4,C22, C23,C29,C30) <small>(Optional) (Y1, Y2 type)</small> (1)(2)	TDK-EPC	CD	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Y-capacitors (C3,C4,C22, C23,C29,C30) <small>(Optional) (Y1, Y2 type)</small> (1)(2)	TDK-EPC	CS	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Y-capacitors (C3,C4,C22, C23,C29,C30) <small>(Optional) (Y1, Y2 type)</small> (1)(2)	WELSON	WD, KL	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Bleeder resistor (R6) (1)	Various	Various	Max. 680kΩ, Min. 1/4W	—	—

Annex to Approval Certificate No. CA12.01520

Issue 1

Date: 2014-09-15

Page 2 of 4

Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity)
Mains fuse (FS1) (1)	WALTER	TAP, ICP	T 2AL; 250V	—	UL
Mains fuse (FS1) (1)(2)	CONQUER	PDP	T 2AL; 250V	—	UL
Mains fuse (FS1) (1)(2)	CONQUER	PTU	T 2AL; 250V	IEC/EN 60127-2	VDE
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)	LIOW GU	GS-L	Max. 0.6µF, 275V, 110°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	ARCOTRONICS or KEMET	R.46	Max. 0.6µF, 300V, 110°C	IEC 60384-14	ENEC 03, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	ARCOTRONICS or KEMET	R.49	Max. 0.6µF, 310V, 110°C	IEC 60384-14	ENEC 03, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	ISKRA	KNB 1530	Max. 0.6µF, 275V, 100°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	ISKRA	KNB 1560	Max. 0.6µF, 275V, 100°C or 300V, 125°C for VDE Max. 0.6µF, 275V, 110°C or 275V,125°C or 300V, 125°C for UL.	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	PILKOR	PCX2 335M	Max. 0.6µF 275V, 105°C	IEC 60384-14	ENEC 14, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	PILKOR	PCX2 337	Max. 0.6µF 275V, 100°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	EPCOS	B3292#	Max. 0.6µF 305V, 105°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	ULTRA TECH	HQX	Max. 0.6µF 275V, 100°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	CHENG TUNG	CTX	Max. 0.6µF 300V, 100°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	SHINY SPACE	SX1	Max. 0.6µF 300V, 100°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 type) (1)(2)	VISHAY	339	Max. 0.6µF 275V, 105°C	IEC 60384-14	ENEC 02, UL

Annex to Approval Certificate No. CA12.01520

Issue 1

Date: 2014-09-15

Page 3 of 4

Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity*)
Thermistor (RTH1) _(optional) (1)	Interchangeable	Interchangeable	Min. 3A, Max.15Ω	—	—
Varistor (ZNR1) _(optional) (1)	CENTRA SCIENCE	CNR 14D471K	300Vac, 385Vdc, 85°C (Flame class of body coating complied with V-0)	IEC61051-2 CECC 42000 CECC 42200 CECC 42201 UL1449	VDE, UL
Varistor (ZNR1) _(optional) (1)(2)	JOYIN	14S471K 14N471K	300Vac, 385Vdc, 85°C (Flame class of body coating complied with V-0)	IEC61051-2 CECC 42000 CECC 42200 CECC 42201 UL1449	VDE, UL
Varistor (ZNR1) _(optional) (1)(2)	NIPPON CHEMICON	TNR14V471K	300Vac, 385Vdc, 85°C (Flame class of body coating complied with V-0)	IEC61051-2 CECC 42000 CECC 42200 CECC 42201 UL1449	VDE, UL
Varistor (ZNR1) _(optional) (1)(2)	THINKING	TVR10471-D	300Vac, 385Vdc, 85°C (Flame class of body coating complied with V-0)	IEC61051-2 CECC 42000 CECC 42200 CECC 42201 UL1449	VDE, UL
Photo couplers (U2,U3) U2 optional used (1)	SHARP	PC123	d _{ti} =0.4mm int. d _{cr} =5mm ext. d _{cr} =8mm, thermal cycling test, 110°C	EN 60747-5-2 IEC 60950-1 IEC 60747-5-2 EN 60950-1	VDE, FI, UL, CUL, CSA
Photo couplers (U2,U3) U2 optional used (1)(2)	Lite-on	VDE: LTV-817 FI: LTV817 UL: LTV-817 may be followed by suffix M, S, STA, S TA1, S-TP	d _{ti} =0.4mm int. d _{cr} =5.2mm ext. d _{cr} =7.0mm 115°C	EN 60747-5-2 IEC 60950-1 IEC 60747-5-2 EN 60950-1	VDE, FI, UL, CUL, CSA
Photo couplers (U2,U3) U2 optional used (1)(2)	RENESAS	PS2561-1 PS2561-2 PS2561-4	d _{ti} = 0.4mm, int. d _{cr} = 4mm, ext. d _{cr} = 7mm, 100°C	EN 60747-5-2 IEC 60950-1 IEC 60747-5-2 EN 60950-1	VDE, FI, UL
Photo couplers (U2,U3) U2 optional used (1)(2)	COSMO	K1010	d _{ti} =0.6mm int. d _{cr} =5.3mm ext. d _{cr} =8mm, thermal cycling test, 115°C	EN 60747-5-2 IEC 60950-1 IEC 60747-5-2 EN 60950-1	VDE, FI, UL, CUL, CSA
Bridging capacitor (Optional) (Y1 type) (C31) (1)	MURATA	KX	Max. 2200pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Bridging capacitor (Optional) (Y1 type) (C31) (1)(2)	WALSIN	AH	Max. 2200pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Bridging capacitor (Optional) (Y1 type) (C31) (1)(2)	TDK-EPC	CD	Max. 2200pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Bridging capacitor (Optional) (Y1 type) (C31) (1)(2)	WELSON	WD	Max. 2200pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL

Annex to Approval Certificate No. CA12.01520

Issue 1

Date: 2014-09-15

Page 4 of 4

Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity)
Transformer (T1)	JET SIGNAL	TF-5024	Class B	Applicable parts in IEC 60950-1 and evaluated acc. To IEC 60085	UL (E213679) accepted by TÜV Rheinland
Transformer (T1) (2)	LONG SAIL	TF-5024	Class B	Applicable parts in IEC 60950-1 and evaluated acc. To IEC 60085	Accepted by TÜV Rheinland
Transformer (T1) (2)	ELYTONE	TF-5024	Class B	Applicable parts in IEC 60950-1 and evaluated acc. To IEC 60085	Accepted by TÜV Rheinland
Transformer (T1) (2)	TEN WELL	TF-5024	Class B	Applicable parts in IEC 60950-1 and evaluated acc. To IEC 60085	Accepted by TÜV Rheinland
Transformer (T1) (2)	MEAN WELL	TF-5024	Class B	Applicable parts in IEC 60950-1 and evaluated acc. To IEC 60085	Accepted by TÜV Rheinland
Line Filter (LF1)	MEAN-WELL	LF-158	Min 120°C	—	—
Secondary fuse (FS2) (1)	WALTER ELECTRONIC CO.	FSD	F 6.3AL; 250V	—	VDE, BSI, UL

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

(2) Component used as alternative.

Unless otherwise states (1) (2), the above components cannot be replaced without IMQ authorization.