

PID:
12100010
CID:
C.1997.3565

Certificato di approvazione

Approval certificate



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

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

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

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC

Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

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

for the following products

**Alimentatori
(Mod. BAW75T12)**

*Power supplies
(Model BAW75T12)*

*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 **2014-06-17**

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

Sostituisce / Replaces **2014-06-17**

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

IMQ S.p.A.

Allegato - Certificato di approvazione
Annex - Approval certificate

Emesso il / Issued on 2014-06-17
Aggiornato il / Updated on 2016-12-23
Sostituisce / Replaces 2014-06-17
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 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
EN 50130-4:2011
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 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
EN 50130-4:2011
Products meeting the safety objectives of Low Voltage Directive
2014/35/EU (Annex I).

Rapporti | Test Reports

SS14A0214970-01; 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 **1.7/0.8 A**
Tensione nominale di uscita / Rated output voltage **13.8 V**
Corrente massima erogabile / Maximum output current **5.4 A**
Capacità massima della batteria di accumulatori ricaricabile /
Maximum capacitance of the internal battery - / - **25 Ah**
Grado di protezione contro il contatto elettrico / Protection
against electric shock **Class I**

Articoli (con dettagli) | Articles (with details)

AR.00050C

Marca / Trade mark **BENTEL SECURITY**
Modello / Model **BAW75T12**

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-75B-R1.

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-75B-R1.

Componenti | Component List

Vedere apposito elenco /See relevant annex

Emesso il | Issued on **2014-06-17**

Aggiornato il | Updated on ---

Sostituisce | Replaces ---

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

Diritti di concessione | Annual Fees

SN.0000HM

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

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IMQ S.p.A.

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1.5.1					
TABLE: List of critical components					
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity)
CHASSIS	Interchangeable	Interchangeable	Metal, min. 0.6mm thick	—	—
Terminal Block (TB1) (1)	DINKLE ENTERPRISE	DT-128	10A, 300V	—	UL
Terminal Block (TB1) (1)(2)	DINKLE DT	43 series	21A, 300V	—	UL
Terminal Block (TB1) (1)(2)	DINKLE DT	45 series	25A, 300V	—	UL
Terminal Block (TB1) (1)(2)	DINKLE DT	49 series	25A, 300V	—	UL
Terminal Block (TB1) (1)(2)	HOWDER HB-95 SERIES	HI-20 series	10A, 250V	—	UL
Terminal Block (TB1) (1)(2)	SWITCHLAB	T14 series, T24 series, T34 series, T35 series	20A, 300V	—	UL
Terminal Block (TB1) (1)(2)	SWITCHLAB	T44 series	15A, 300V	—	UL
Terminal Block (TB1) (1)(2)	JITE BTB	654 series	20A, 300V	—	UL
Terminal Block (TB1) (1)(2)	SWITCHLAB	MB910 series	30A, 300V	—	UL
Terminal Block (TB1) (1)(2)	Dinkle EK	950 series	30A, 300V	—	UL
Terminal Block (TB1) (1)(2)	SWITCHLAB	MB312	16A, 300V	—	UL
Bleeder resistor (R6) (1)	Various	Various	Max. 680kΩ, Min.1/4W	—	—
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)	LIOW GU	GS-L	Max. 0.6μF 275V, 110°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	ARCOTRONICS	R.46	Max. 0.6μF 300V, 110°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	ARCOTRONICS	R.49	Max. 0.6μF 310V, 110°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	ISKRA	KNB 1530	Max. 0.6μF 275V, 100°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	ISKRA	KNB 1560	Max. 0.6μF 300V, 125°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	PILKOR	PCX2 335M	Max. 0.6μF 275V, 105°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	PILKOR	PCX2 337	Max. 0.6μF 275V, 100°C	IEC 60384-14	VDE, UL

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Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity)
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	EPCOS	B3292#	Max. 0.6µF 305V, 105°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	ULTRA TECH	HQX	Max. 0.6µF 275V, 100°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	CHENG TUNG	CTX	Max. 0.6µF 300V, 100°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	SHINY SPACE	SX1	Max. 0.6µF 300V, 100°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	PILKOR	PCX2 335	Max. 0.6µF 275V, 85°C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	VISHAY	339	Max. 0.6µF 275V, 105°C	IEC 60384-14	VDE, UL
Mains fuse (FS1) (1)	WALTER	FSD	F 4AL; 250V	IEC/EN 60127-2	VDE, UL
Mains fuse (FS1) (1)(2)	CONQUER	GBM	F 4AL; 250V	—	UL
Mains fuse (FS1) (1)(2)	CONQUER	GFE	F 4AL; 250V	—	UL
Mains fuse (FS1) (1)(2)	CONQUER	GMA, GME	F 4AL; 250V	—	UL
Mains fuse (FS1) (1)(2)	JENN FENG	MFG	F 4AL; 250V	—	UL
Mains fuse (FS1) (1)(2)	SLEEK	50FG	F 4AL; 250V	—	UL
Mains fuse (FS1) (1)(2)	WALTER	CIS	F 4AL; 250V	—	UL
Mains fuse (FS1) (1)(2)	BEL	5 SF	F 4AL; 250V	IEC/EN 60127-2	VDE, UL
Mains fuse (FS1) (1)(2)	CONQUER	MEF series	F 4AL; 250V	IEC/EN 60127-2	VDE, UL
Mains fuse (FS1) (1)(2)	CONQUER	UFE	F 4AL; 250V	IEC/EN 60127-2	VDE, UL
Mains fuse (FS1) (1)(2)	LITTELFUSE	217.XXX	F 4AL; 250V	IEC/EN 60127-2	VDE, UL
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

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Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity)
Varistor (ZNR1) (optional)(1)(2)	NIPPON CHEMI- CON	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 TVR14471-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
Y-capacitors (C3,C4,C22, C23,C29,C30) (Optional) (Y1, Y2 type) (1)	MURATA	KH	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Y-capacitors (C3,C4,C22, C23,C29,C30) (Optional) (Y1, Y2 type) (1)(2)	WALSIN	AC, AH	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Y-capacitors (C3,C4,C22, C23,C29,C30) (Optional) (Y1, Y2 type) (1)(2)	TDK	CD	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Y-capacitors (C3,C4,C22, C23,C29,C30) (Optional) (Y1, Y2 type) (1)(2)	TDK	CS	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Y-capacitors (C3,C4,C22, C23,C29,C30) (Optional) (Y1, Y2 type) (1)(2)	WELSON	WD, KL	Max. 4700pF, Min. 250V, 125°C	IEC 60384-14	VDE, UL
Thermistor (RTH1) (1)	Interchangeable	Interchangeable	Min. 3A, Max.15Ω at 25°C	—	—
Photo couplers (U2,U3) U3 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) U3 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) U3 optional used (1)(2)	NEC	PS2561 Series	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) U3 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	KH	Max. 2200pF, Min. 250V, 125°C	IEC 60384-14	VDE
Bridging capacitor (Optional) (Y1 type) (C31) (1)(2)	WALSIN	AH	Max. 2200pF, Min. 250V, 125°C	IEC 60384-14	VDE

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Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity)
Bridging capacitor (Optional) (Y1 type) (C31) (1)(2)	TDK	CD	Max. 2200pF, Min. 250V, 125°C	IEC 60384-14	VDE
Bridging capacitor (Optional) (Y1 type) (C31) (1)(2)	WELSON	WD	Max. 2200pF, Min. 250V, 125°C	IEC 60384-14	VDE
Transformer (T1)	JET SIGNAL	TF-5028	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-5028	Class B	Applicable parts in IEC 60950-1 and evaluated acc. To IEC 60085	Accepted by TÜV Rheinland
Transformer (T1) (2)	ELYTONE	TF-5028	Class B	Applicable parts in IEC 60950-1 and evaluated acc. To IEC 60085	Accepted by TÜV Rheinland
Transformer (T1) (2)	TEN WELL	TF-5028	Class B	Applicable parts in IEC 60950-1 and evaluated acc. To IEC 60085	Accepted by TÜV Rheinland
Transformer (T1) (2)	YAO SHENG	TF-5028	Class B	Applicable parts in IEC 60950-1 and evaluated acc. To IEC 60085	Accepted by TÜV Rheinland
Line Filter (LF1)	MEAN-WELL	LF-132-R1	130°C	—	—
Line Filter (LF1) (2)	MEAN-WELL	LF-105	130°C	—	—
Capacitor (C7) (Optional)	Interchangeable	Interchangeable	Min. 100°C	—	—
Secondary fuse (FS2) (1)	CONQUER	GFE	F 10AL; 250V	—	UL, CSA

(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 can not be replaced without IMQ authorization.