

PID:

12100001

CID:

C.1997.3565

**Certificato di approvazione***Approval certificate***IMQ, ente di certificazione accreditato,  
autorizza la ditta***IMQ, accredited certification body, grants to***BENTEL SECURITY SRL  
CONTRADA RAVIGLIANO Z.I. SANTA SCOLASTICA  
64013 CORROPOLI TE****all'uso del marchio***the licence to use the mark***CSV-IMQ**

Il presente certificato è  
soggetto alle condizioni  
previste nel "Regolamento  
IMQ - Certificazione  
prodotto" ed è relativo ai  
prodotti descritti  
nell'Allegato al presente  
certificato.

**per i seguenti prodotti***for the following products***Alimentatori switching  
( Mod. BAQ60T12 )***Switch mode power supplies  
( Model BAQ60T12 )*

*This certificate is subjected to  
the conditions foreseen by "IMQ  
Rules - Product Certification"  
and is relevant to the products  
listed in the annex to this  
certificate.*

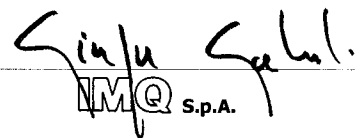
Emesso il / Issued on:

**2001-06-29**

Data di aggiornamento / Updated on

**2003-10-23**

Sostituisce / Replaces

**2003-03-11**  
IMQ S.p.A.

**Allegato - Certificato di approvazione**  
**Annex - Approval certificate**

Emesso il / Issued on 2001-06-29

Data di aggiornamento / Updated on 2003-10-23

Sostituisce / Replaces 2003-03-11

**Prodotto | Product****Alimentatori switching**  
**Switch mode power supplies****Concessionario | Licence Holder**

**BENTEL SECURITY SRL**  
**CONTRADA RAVIGLIANO Z.I. SANTA SCOLASTICA**  
**64013 CORROPOLI TE**

**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**

CEI 79-2:1998 e CEI 79-2; Ab:2000  
EN 60950:2000

Prodotti conformi ai requisiti essenziali della Direttiva B.T. 73/23/CEE e successive modifiche.

**Standards**

CEI 79-2:1998 and CEI 79-2; Ab:2000  
EN 60950:2000

Products meeting the essential requirements of L.V.D. 73/23/EEC and further amendments.

**Rapporti | Test Reports**

12AD00092 - 12AD00093

**Caratteristiche tecniche | Technical characteristics**

Modello / Model **BAQ60T12**

Tensione nominale alimentazione / Rated supply voltage **230 V ~**

Frequenza nominale alimentazione / Rated supply frequency **50-60 Hz**

Corrente massima assorbita / Rated current **0,9 A**

Tensione nominale di uscita / Rated output voltage **13,8 V**

Corrente massima erogabile / Maximum output current **5 A**

Capacità massima della batteria di / Maximum capacitance of the internal battery -

accumulatori ricaricabile / **24 Ah**

Grado di protezione contro / Protection against -

il contatto elettrico / electric shock **Classe I / Class I**

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

AR.B008XI

Marca / Trade mark **BENTEL SECURITY**

Modello / Model **BAQ60T12**

**Ulteriori informazioni | Additional Information**

La piena conformità alle norme EN 60950 dovrà essere valutata nell'apparecchio utilizzatore.

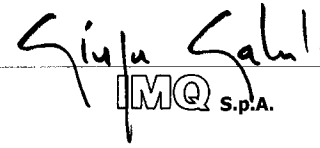
Altre caratteristiche: alimentatore switching in esecuzione aperta da incorporare.

**Componenti | Component List****Vedere apposito elenco /See relevant annex**

Emesso il   Issued on	<b>2001-06-29</b>	Data di aggiornamento   Updated on	<b>2001-12-21</b>	Sostituisce   Replaces	<b>2001-06-29</b>
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**Diritti di concessione | Annual Fees**

SN.B00156	EMD.121000.DA2W	Diritti modelli CS - alimentatori - 1210 - Centrali ed apparati ausiliari   CS models - power supplies - 1210 - Central processing units and auxiliary apparatus	1
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IMQ S.p.A.

List of critical components					
object/part No.	manufac-turer/trademark	type/model	technical data	standard	mark(s) of conformity
Mains fuse (FS1) (2)	ELU	179020	F 3.15 A, 250 V	EN 60127-2	VDE
Mains fuse (FS1) (1)(2)	COOPER	S500	F 3.15 A, 250 V	EN 60127-2	VDE
Mains fuse (FS1) (1)(2)	BELFUSE	5SF	F 3.15 A, 250 V	EN 60127-2	VDE
Mains fuse (FS1) (1)(2)	TRIAD	50CF	F 3.15 A, 250 V	EN 60127-2	VDE
Mains fuse (FS1) (1)(2)	LITTELFUSE	216	F 3.15 A, 250 V	EN 60127-2	VDE
Mains fuse (FS1) (1)(2)	LITTELFUSE	217	F 3.15 A, 250 V	EN 60127-2	VDE
Secondary fuse (FS2) (2)	ELU	179020	F 6.3 A, 250 V	EN 60127-2	VDE
Secondary fuse (FS2) (1)(2)	COOPER	S500	F 6.3 A, 250 V	EN 60127-2	VDE
Secondary fuse (FS2) (1)(2)	BEL	5SF	F 6.3 A, 250 V	EN 60127-2	VDE
Secondary fuse (FS2) (1)(2)	TRIAD	50CF	F 6.3 A, 250 V	EN 60127-2	VDE
Secondary fuse (FS2) (1)(2)	LITTELFUSE	216	F 6.3 A, 250 V	EN 60127-2	VDE
Secondary fuse (FS2) (1)(2)	LITTELFUSE	217	F 6.3 A, 250 V	EN 60127-2	VDE
EMI inductor (LF1)	SZ FONG ENTERPRISE	TF411	2 x 11.2 mH	-	-
X Capacitor (C1) (2)	ISKRA	KNB153X	470 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV

List of critical components					
object/part No.	manufac- turer/trademark	type/model	technical data	standard	mark(s) of conformity
X Capacitor (C1) (1)(2)	NITSUKO	CFKC	470 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV
X Capacitor (C1) (1)(2)	NITSUKO	CFJC	470 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI
X Capacitor (C1) (1)(2)	EICHHOFF	MKT	470 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV
X Capacitor (C1) (1)(2)	ARCOTRONICS	1.40	470 nF, 275 V; X2	IEC 384-14 II ed.	IMQ, VDE, SEV
X Capacitor (C1) (1)(2)	ARCOTRONICS	R.46	470 nF, 275 V; X2	IEC 384-14 II ed.	IMQ
X Capacitor (C1) (1)(2)	RIFA	PHE830	470 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI
X Capacitor (C1) (1)(2)	THAISHING	MEX	470 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI
X Capacitor (C1) (1)(2)	PHILIPS	3351 MKP	470 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI
X Capacitor (C1) (1)(2)	TEAPO	XG-VS	470 nF, 275 V; X2	IEC 384-14 II ed.	VDE, SEV
X Capacitor (C1) (1)(2)	MATSUSHITA	ECQ-UV	470 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV
X Capacitor (C1) (1)(2)	PRESTIGE	MPX	470 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI
X Capacitor (C1) (1)(2)	CARLI ELECTRONICS	MPX	470 nF, 250 V; X2	EN 132400	VDE, S, SEV, FI

List of critical components					
object/part No.	manufac- turer/trademark	type/model	technical data	standard	mark(s) of conformity
X Capacitor (C4) (2)	ISKRA	KNB153X	100 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV
X Capacitor (C4) (1)(2)	NITSUKO	CFKC	100 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV
X Capacitor (C4) (1)(2)	NITSUKO	CFJC	100 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI
X Capacitor (C4) (1)(2)	EICHHOFF	MKT	100 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV
X Capacitor (C4) (1)(2)	ARCOTRONICS	1.40	100 nF, 275 V; X2	IEC 384-14 II ed.	IMQ, VDE, SEV
X Capacitor (C4) (1)(2)	ARCOTRONICS	R.46	100 nF, 275 V; X2	IEC 384-14 II ed.	IMQ
X Capacitor (C4) (1)(2)	RIFA	PHE830	100 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI
X Capacitor (C4) (1)(2)	THAISHING	MEX	100 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI
X Capacitor (C4) (1)(2)	PHILIPS	3351 MKP	100 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI
X Capacitor (C4) (1)(2)	TEAPO	XG-VS	100 nF, 275 V; X2	IEC 384-14 II ed.	VDE, SEV
X Capacitor (C4) (1)(2)	MATSUSHITA	ECQ-UV	100 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV
X Capacitor (C4) (1)(2)	PRESTIGE	MPX	100 nF, 250 V; X2	IEC 384-14 II ed.	VDE, SEV, FI

List of critical components					
object/part No.	manufac- turer/trademark	type/model	technical data	standard	mark(s) of conformity
X Capacitor (C4)  (1)(2)	CARLI ELECTRONICS	MPX	100 nF, 250 V; X2	EN 132400	VDE, S, SEV, FI
Y Capacitor (C2, C3, C6, C34, C35)  (2)	ISKRA	KNB2520	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35)  (1)(2)	TDK	CS	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35)  (1)(2)	TDK	CD	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35)  (1)(2)	MATSUSHITA	NS	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35)  (1)(2)	MATSUSHITA	RS	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35)  (1)(2)	RIFA	PME289X	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35)  (1)(2)	MURATA	KC	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35)  (1)(2)	WELSON	KL	2.2 nF, 250 V; Y2	IEC 384-14 II ed.	FI
Y Capacitor (C2, C3, C6, C34, C35)  (1)(2)	WELSON	WD	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE

List of critical components					
object/part No.	manufac- turer/trademark	type/model	technical data	standard	mark(s) of conformity
Y Capacitor (C2, C3, C6, C34, C35) (1)(2)	TAISHING	MEY	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35) (1)(2)	SAM HWA	SC	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35) (1)(2)	NEW KOREA	NU	2.2 nF, 250 V; Y	IEC 384-14 I ed.	VDE
Y Capacitor (C2, C3, C6, C34, C35) (1)(2)	PAN OVERSEAS	PY	2.2 nF, 250 V; Y	IEC 384-14 I ed.	FI
Y Capacitor (C2, C3, C6, C34, C35) (1)(2)	PAN OVERSEAS	AC	2.2 nF, 250 V; Y2	IEC 384-14 II ed.	FI
SMPS transformer (T1)	JEN-FON ENTERPRISE	TF-159-1-R1	-	-	-
SMPS transformer (T1) (1)	NINGBO ZHONGCE ELECTRONICS	AQF4-704-7410	-	-	-
Optocoupler (U2)	SHARP	PC 123 X	-	-	VDE, FI
Optocoupler (U2) (1)	TOSHIBA	TLP721F	-	-	VDE, FI
Optocoupler (U2) (1)	NEC	PS2561-1	-	-	VDE, FI
Optocoupler (U2) (1)	ISOCOM	ISP621-1X	-	-	VDE, FI



List of critical components					
object/part No.	manufac-turer/trademark	type/model	technical data	standard	mark(s) of conformity
Optocoupler (U2) (1)	ISOCOM	ISP817-X	-	-	VDE, FI
Optocoupler (U2) (1)	TOSHIBA	TLP721	-	-	VDE, FI
Optocoupler (U3)	ISOCOM	MOC3022X	-	-	VDE, FI
Optocoupler (U3) (1)	ISOCOM	MOC3022XG	-	-	VDE, FI
Optocoupler (U3) (1)	QUALITY TECHNOLOGIES	MCP3022	-	-	VDE, FI
Optocoupler (U3) (1)	QUALITY TECHNOLOGIES	MOC3022	-	-	VDE, FI

- (1) Component used as alternative
- (2) Approved component replaceable with another one also approved with equivalent characteristics.

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

IMQ SpA  
 20138 Milano – Via Quintiliano n. 43

