

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

PRD N° 005B

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

**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. BAW75T24)**

for the following products

*Power supplies
(Model BAW75T24)*

*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 **2020-11-27**

Sostituisce / Replaces **2016-12-23**

Scade il / Expires on **2023-11-26**

IMQ S.p.A.

Allegato - Certificato di approvazione
Annex - Approval certificate

Emesso il / Issued on 2014-06-17
Aggiornato il / Updated on 2020-11-27
Sostituisce / Replaces 2016-12-23
Scade il / Expires on 2023-11-26

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 62368-1:2014 + A11:2017

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 62368-1:2014 + A11:2017

Products meeting the safety objectives of Low Voltage Directive
2014/35/EU (Annex I).

Rapporti | Test Reports

SS16-0001915; SS15L0514161-03; SS14A0214908-01; SS20-
0049862-01

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 **1.6/0.9 A**

Tensione nominale di uscita | Rated output voltage **27.6 V**

Corrente massima erogabile | Maximum output current **2.7 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.00050D

Marca | Trade mark **TYCO**

Modello | Model **BAW75T24**

Ulteriori informazioni | Additional Information

La piena conformità alla Norma EN 62368-1:2015 + A11:2017 dovrà essere valutata nell'apparecchio utilizzatore.

The complete compliance With EN 62368-1:2015 + A11:2017 standard shall be verified on the final equipment.

Componenti | Component List



IMQ S.p.A. - Società con Socio Unico
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Rea Milano 1595884
Registro Imprese Milano 12898410159
C.F./P.I. 12898410159
Capitale Sociale €4.000.000

CA12.01508
SN.0000HN

Vedere apposito elenco /See relevant annex

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

Aggiornato il | Updated on **2020-11-27**

Sostituisce | Replaces **2015-11-26**

Scade il | Expires on **2023-11-26**

Diritti di concessione | Annual Fees

SN.0000HN

EMU.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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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. 680k Ω , Min.1/4W	—	—
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)	LIOW GU	GS-L	Max. 0.6 μ F 275V, 110 $^{\circ}$ C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	ARCOTRONICS	R.46	Max. 0.6 μ F 300V, 110 $^{\circ}$ C	IEC 60384-14	VDE, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (1)(2)	ISKRA	KNB 1530	Max. 0.6 μ F 275V, 100 $^{\circ}$ C	IEC 60384-14	VDE, UL



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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 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
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



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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
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



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Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity)
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	dti=0.4mm int. dcr=5.2mm ext. dcr=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	dti= 0.4mm, Int. dcr= 4mm, Ext. dcr= 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	dti=0.6mm int. dcr=5.3mm ext. dcr=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
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)(3)	JET SIGNAL	TF-5029	Class B	Applicable parts In IEC 62368-1 and acc. to IEC 60085	—
Transformer (T1)(2)(3)	LONG SAIL	TF-5029	Class B	Applicable parts In IEC 62368-1 and acc. to IEC 60085	—
Transformer (T1)(2)(3)	ELYTONE	TF-5029	Class B	Applicable parts in IEC 62368-1 and acc. to IEC 60085	—
Transformer (T1)(2)(3)	TEN WELL	TF-5029	Class B	Applicable parts in IEC 62368-1 and acc. to IEC 60085	—
Transformer (T1)(2)(3)	YAO SHENG	TF-5029	Class B	Applicable parts in IEC 62368-1 and acc. to IEC 60085	—
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	—	—



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Secondary fuse (FS2) (1)	CONQUER	GFE	F 10AL; 250V	—	UL, CSA
PCB	CHANGZHOU YUNFENG ELECTRONICS CO LTD	HD-4	V-0 ; 130°C	—	UL E174651
PCB (2)	CHANGZHOU KELONG ELECTRONICS CO LTD	JC-2	V-0 ; 130°C	—	UL E248439
PCB (2)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-0 ; 130°C	—	UL E301791
Secondary cable	CHANGZHOU HONG CHANG ELECTRONICS CO LTD	1015	20AWG ; 105°C	—	UL E212395
Secondary cable (2)	XINYA ELECTRONIC CO LTD	1015	20 AWG ; 105°C	—	UL E170689
Secondary cable (2)	YANG TAI WIRE & CABLE CO LTD	1015	20 AWG ; 110°C	—	UL E214859

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

(2) Component used as alternative.

(3) EIS Class B, evaluated by TUV with CB certificate n. JPTUV-054919 and TUV Report n. 11035566 001.

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