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

CA12.01521
SN.O000L2

PID:
12100010
CID:
C.1997.3565

Certificato di approvazione

Approval certificate

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

PRD N° 005B

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

CSV

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. BAW50T24)

for the following products

Power supplies
(Model BAW50T24)

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 ***2020-11-27***
Sostituisce / Replaces ***2019-03-05***
Scade il / Expires on ***2023-11-26***

Giorgio Belussi
DocuSign

IMQ S.p.A.

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Allegato - Certificato di approvazione
Annex - Approval certificate

Emesso il / Issued on 2014-09-15
Aggiornato il / Updated on 2020-11-27
Sostituisce / Replaces 2019-03-05
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; SS14A0253522-01; SS20-0049862-02

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	**1.1/0.65 A**
Tensione nominale di uscita / Rated output voltage	**27.6 V**
Corrente massima erogabile / Maximum output current	**1.8 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.0006A9

Marca / Trade mark **TYCO**
Modello / Model **BAW50T24**

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

Vedere apposito elenco /See relevant annex

Emesso il | Issued on **2014-09-15** *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.O000L2	**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*	1

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	—	UL
Terminal Block (TB1) (1)(2)	DINKLE DT	DT-4 series	20A, 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)	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	—	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)	SWITCHLAB	MB312	16A, 300V	—	UL
Y-capacitors (C3,C4,C22, C23,C29,C30) (Optional) (Y1, Y2 type) (1)	MURATA	KH, KX	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-EPC	CD, 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
Bleeder resistor (R6) (1)	Various	Various	Max. 680kΩ, Min.1/4W	—	—
Mains fuse (FS1) (1)	WALTER	FSD	F 3.15AL; 250V	IEC/EN 60127-2	VDE, UL
Mains fuse (FS1) (1)(2)	BEL	5 SF	F 3.15AL; 250V	IEC/EN 60127-2	VDE, UL
Mains fuse (FS1) (1)(2)	LITTELFUSE	217.XXX	F 3.15AL; 250V	IEC/EN 60127-2	VDE, UL
Mains fuse (FS1) (1)(2)	CONQUER	UFE	F 4AL; 250V	IEC/EN 60127-2	VDE, UL

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)	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 or KEMET	R.46	Max. 0.6µF 300V, 110°C	IEC 60384-14	ENEC 03, UL
X-Capacitors (C1,C2) (Optional) (X1,X2 optional used) (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 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, 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 optional used) (1)(2)	PILKOR	PCX2 335M	Max. 0.6µF, 275V, 105°C	IEC 60384-14	ENEC 14, 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)	VISHAY	339	Max. 0.6µF, 275V, 105°C	IEC 60384-14	ENEC 02, UL
Thermsitor (RTH1) (1)	Interchangeable	Interchangeable	Min. 3A, Max.15Ω at 25°C	—	—

Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity*)
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 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
Photo couplers (U2,U3) U2 optional used (1)	SHARP	PC123	dti=0.4mm int. dcr=5mm ext. dcr=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	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) U2 optional used (1)(2)	RENESAS	PS2561	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) U2 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-EPC	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

Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity*)
Transformer (T1)(3)	JET SIGNAL	TF-5027	Class B	Applicable parts in IEC 62368-1 and acc. to IEC 60085	—
Transformer (T1)(2)(3)	LONG SAIL	TF-5027	Class B	Applicable parts in IEC 62368-1 and acc. to IEC 60085	—
Transformer (T1)(2)(3)	ELYTONE	TF-5027	Class B	Applicable parts in IEC 62368-1 and acc. to IEC 60085	—
Transformer (T1)(2)(3)	TEN WELL	TF-5027	Class B	Applicable parts in IEC 62368-1 and acc. to IEC 60085	—
Transformer (T1)(2)(3)	MEAN WELL	TF-5027	Class B	Applicable parts in IEC 62368-1 and acc. to IEC 60085	—
Line Filter (LF1)	MEAN-WELL	LF-101	Min. 130°C	—	—
Line Filter (LF1) (2)	MEAN-WELL	LF-133	Min. 130°C	—	—
Secondary fuse (FS2) (1)	WALTER ELECTRONIC CO.	FSD	F 6.3AL; 250V	—	VDE, BSI, UL
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

Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity*)
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-055785 and TUV Report n. 11036069 001.

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