POWER CONVERTER DATA SHEET

Logical Name RPPEC.BA7.RQIF.20600 **Model** RB6 **S/N** 00000010

Building BA7 **Status** Installed **Machine** TI2 14/05/2007

LOAD

R (ohm)	.058	Cable Section	240
L (mH)	13	Length	544

CONVERTER

		Imax	600		
		Irms	600	Topology	HF12UD
Spare	SPBA7-RB9/O	Umax	200	Polarity	Unipolar

ELECTRONICS

Dcct1	☑	Interlocks	☑
Dcct2	☑	Plc	☑
Link Ref	☑	Aux Power	☑
Loops	☑		
Configurator	☑		
Activ Filter	☐		
Firing Plus	☑	12 pulses	
Firing Minus	☐		
Power module	☐		
Crate			U12

MCB

Type	NS630H
I th	223
I mag mini	1340

Départs
BT:ERD1/A7.115.05

DCCT

Type	4400	Nb Turn	1	Imax\10v	600

LEM

Nb Turn	1	Icirc\10v	400

PASSIVE FILTER

L	2.15 mH	Rd	0.037 ohms	Damping Factor	0.008
C	9.85 mF	Fo	35 Hz	Correction Icapa	3

ACTIV FAULTS & WARNINGS

Aux. Fuse	☑
Transfo temperature	☑
Suppression	☑
Bridge Temperature	☐
Choke Temperature	☑
Filter Capa	☐
Spare1	☐
Doors	☐
Water	☐
Thyristor Fuse	☐
Spare2	☐
Fast Stop	☑
Dcct1 Sat	☑
Spare3	☐
MCB	☑
Warning 5/15V:	☑
Magnet	☑
External Chain	☑
External Summary	☐
External Spare	☐
Over Udc	☑
Over Iac	☑
Over Ripple	☑
Over Irms	☑
Over Idc	☑
Earth Leak	☑
Warning MCB	☐
Warning Dcct2 Sat	☑
Warning Polarity	☐
Timeout Incohérence	☑

With access	☐

Dloop en mode U,I state réel.
Réglage MCB: 0.5/0.8/x6

CONFIGURATOR

Loop Version V 1.04

BWTH

Damping Loop	50
U Loop	25
I Circulation	0
I min %	0.05
I Loop	10.496

FIRING + — MIXED

mode1	1
mode2	0
symet end stop	0
blocked	0

FIRING - — NOT USED

mode1	0
mode2	0
symet end stop	0
blocked	0

Reconstitued	0
Soft Start	1
Selection	00011010

	Calculated	Adjusted
KD1	0.903	0.903
KR	0.230	0.230
KW	1.080	1.080
VLL	0.111	0.111
VL GAIN	1.992	1.992
K	2.299	2.299
K1	1.543	1.543
K2	0.610	0.610
O1	1.126	1.126
O2	1.535	1.535
O3	1.212	1.212
O4	2.099	2.099
O5	2.229	2.229
CIRC GAIN	0.000	0.000
CIRC REF	0.000	0.000
RMS	5.250	5.250
RIPPLE	1.000	1.000
OVER Iac	6.100	6.100

Setting for test of Bipolar converter in unipolar with only one bridge

K	K1	K2	O1	O2	O3	O4	O5
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.