POWER CONVERTER DATA SHEET

Logical Name RPPEA.BA7.RQID.20100 **Model** RB4 **S/N** 00000002

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

LOAD

R (ohm)	.068	Cable Section	240
L (mH)	13	Cable Length	760

CONVERTER

Spare	SPBA7-RB9/O	Imax	500		
		Irms	490	Topology	HF12UD
		Umax	105	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	NS250H
I th	95
I mag mini	570

Départs
BT:ERD1/A7.115.01

DCCT

Type	4400	Nb Turn	1	Imax\10v	500

LEM

Nb Turn	1	Icirc\10v	400

PASSIVE FILTER

L	0.80 mH	Rd	0.0125 ohms	Damping Factor	0.008
C	30.80 mF	Fo	32 Hz	Correction Icapa	5

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 Observer.
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	10.546

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	00010010

	Calculated	Adjusted
KD1	1.424	1.424
KR	0.371	0.371
KW	1.730	1.730
VLL	0.207	0.207
VL GAIN	1.992	1.992
K	2.675	2.675
K1	0.960	0.960
K2	0.802	0.802
O1	1.815	1.815
O2	2.475	2.475
O3	1.100	1.100
O4	1.957	1.957
O5	1.198	1.198
CIRC GAIN	0.000	0.000
CIRC REF	0.000	0.000
RMS	5.145	5.145
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.