POWER CONVERTER DATA SHEET

Logical Name RPPDY.BA7.RQID.20300 **Model** RB15 **S/N** 00000004

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

LOAD

R (ohm)	.063	Cable Section	240
L (mH)	12.5	Length	636

CONVERTER

Spare	SPBA7-RB9/O	Imax	400		
		Irms	360	Topology	unknown
		Umax	100	Polarity	Unipolar

ELECTRONICS

Dcct1	☑	Interlocks	☑
Dcct2	☑	Plc	☑
Link Ref	☑	Aux Power	☑
Loops	☑		
Configurator	☑		
Activ Filter	☐		
Firing Plus	☑	6 pulses	
Firing Minus	☐		
Power module	☐		
Crate			U6

MCB

Type	NS250H
I th	67
I mag mini	400

Départs BT:ERD1/A7.115.03

DCCT

Type	4400	Nb Turn	1	Imax\10v	400

LEM

Nb Turn	1	Icirc\10v	400

PASSIVE FILTER

L	3.80 mH	Rd	0.04 ohms	Damping Factor	0.007
C	13.20 mF	Fo	23 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 Observer.
Réglage MCB: 0.5/0.8/x2

CONFIGURATOR

Loop Version V 1.04

BWTH

Damping Loop	40
U Loop	20
I Circulation	0
I min %	0.05
I Loop	8.492

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	00010000

	Calculated	Adjusted
KD1	0.912	0.912
KR	0.195	0.195
KW	1.133	1.133
VLL	0.161	0.161
VL GAIN	2.490	2.490
K	3.485	3.485
K1	2.202	2.202
K2	1.214	1.214
O1	0.637	0.637
O2	0.868	0.868
O3	0.741	0.741
O4	1.387	1.387
O5	1.701	1.701
CIRC GAIN	0.000	0.000
CIRC REF	0.000	0.000
RMS	4.725	4.725
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.