

POWER CONVERTER DATA SHEET

Logical Name RPPEA.BA7.RQIF.20400 **Model** RB4 **S/N** 0000007
Building BA7 **Status** **Installed** **Machine** T12 **14/05/2007**

LOAD		Cable	
R (ohm)	.054	Section	240
L (mH)	12	Length	576

CONVERTER			
Spare	SPBA7-RB9/O	I _{max}	500
		I _{rms}	490
		U _{max}	105
		Topology	HF12UD
		Polarity	Unipolar

ELECTRONICS	
Dcct1	<input checked="" type="checkbox"/>
Dcct2	<input checked="" type="checkbox"/>
Link Ref	<input checked="" type="checkbox"/>
Loops	<input checked="" type="checkbox"/>
Configurator	<input checked="" type="checkbox"/>
Activ Filter	<input type="checkbox"/>
Firing Plus	<input checked="" type="checkbox"/> 12 pulses
Firing Minus	<input type="checkbox"/>
Power module	<input type="checkbox"/>
Crate	U12

MCB		Départs	
Type	NS250H	BT:ERD1/A7.115.04	
I _{th}	95		
I _{mag mini}	570		

DCCT			
Type	4400	Nb Turn	1
		I _{max} 10v	500

LEM			
		Nb Turn	1
		I _{circ} 10v	400

PASSIVE FILTER			
L	0.80 mH	R _d	0.0125 ohms
C	30.80 mF	F _o	32 Hz
		Damping Factor	0.008
		Correction I _{capa}	5

ACTIV FAULTS & WARNINGS	
Aux. Fuse	<input checked="" type="checkbox"/>
Transfo temperature	<input checked="" type="checkbox"/>
Suppression	<input checked="" type="checkbox"/>
Bridge Temperature	<input type="checkbox"/>
Choke Temperature	<input checked="" type="checkbox"/>
Filter Capa	<input type="checkbox"/>
Spare1	<input type="checkbox"/>
Doors	<input type="checkbox"/>
Water	<input type="checkbox"/>
Thyristor Fuse	<input type="checkbox"/>
Spare2	<input type="checkbox"/>
Fast Stop	<input checked="" type="checkbox"/>
Dcct1 Sat	<input checked="" type="checkbox"/>
Spare3	<input type="checkbox"/>
MCB	<input checked="" type="checkbox"/>
Warning 5/15V:	<input checked="" type="checkbox"/>
Magnet	<input checked="" type="checkbox"/>
External Chain	<input checked="" type="checkbox"/>
External Summary	<input type="checkbox"/>
External Spare	<input type="checkbox"/>
Over U _{dc}	<input checked="" type="checkbox"/>
Over I _{ac}	<input checked="" type="checkbox"/>
Over Ripple	<input checked="" type="checkbox"/>
Over I _{rms}	<input checked="" type="checkbox"/>
Over I _{dc}	<input checked="" type="checkbox"/>
Earth Leak	<input checked="" type="checkbox"/>
Warning MCB	<input type="checkbox"/>
Warning Dcct2 Sat	<input checked="" type="checkbox"/>
Warning Polarity	<input type="checkbox"/>
Timeout Incohérence	<input checked="" type="checkbox"/>

CONFIGURATOR		Loop Version	
Loop Version		V 1.04	
BWTH		Calculated	Adjusted
Damping Loop	50	KD1	1.322
U Loop	25	KR	0.338
I Circulation	0	KW	1.583
I min %	0.05	VLL	0.165
I Loop	10.499	VL GAIN	1.992
FIRING + MIXED		K	2.675
mode1	1	K1	0.960
mode2	0	K2	0.802
symet end stop	0	O1	1.815
blocked	0	O2	2.475
FIRING - NOT USED		O3	1.100
mode1	0	O4	1.957
mode2	0	O5	1.198
symet end stop	0	CIRC GAIN	0.000
blocked	0	CIRC REF	0.000
Reconstitued	0	RMS	5.145
Soft Start	1	RIPPLE	1.000
Selection	00010010	OVER I _{ac}	6.100

Dloop en mode Observer.
 Réglage MCB: 0.5/0.8/x6

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.