POWER CONVERTER DATA SHEET

Logical Name RPPEA.SR2.RQID.29500 **Model** RB4 **S/N** 00000008

Building SR2 **Status** Installed **Machine** TI2 14/05/2007

LOAD

R (ohm)	.0888	Cable Section	500
L (mH)	12.8	Length	1076

CONVERTER

Spare	SPSR2-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

		Départs
Type	NS250H	BT:ERD1/2R.K.141
I th	95	
I mag mini	570	

DCCT

Type	1000	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	☐

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	10.657

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	1.383	1.434
KR	0.377	0.000
KW	1.740	0.000
VLL	0.271	0.000
VL GAIN	1.992	0.000
K	2.675	0.000
K1	0.960	0.000
K2	0.802	0.000
O1	1.815	0.000
O2	2.475	0.000
O3	1.100	0.000
O4	1.957	0.000
O5	1.198	0.000
CIRC GAIN	0.000	0.000
CIRC REF	0.000	0.000
RMS	5.145	0.000
RIPPLE	1.000	0.000
OVER Iac	6.100	6.750

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.