POWER CONVERTER DATA SHEET

Logical Name **MAL2512M** **Model** R20 **S/N** 00000131

Building BA80 **Status** Installed **Machine** TT20 28/08/2012

LOAD

R (ohm)	.077
L (mH)	160

Cable

Section	0
Length A/R	0

CONVERTER

Imax	1600		
Irms	1600	Topology	OH6UD
Umax	210	Polarity	Unipolar

Spare

ELECTRONICS

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

MCB

Type	C800
I th	623
I mag mini	3740

Départs
BT:ERB14/A80.143.06

DCCT

Type	1400	Nb Turn	1	Imax\10v	1400

LEM

Nb Turn	1	Icirc\10v	400

PASSIVE FILTER

L	0.88 mH	Rd	0.0144 ohms	Damping Factor	0.010
C	46.50 mF	Fo	25 Hz	Correction Icapa	10

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 ☐

CONFIGURATOR

Loop Version V 1.01

BWTH

Damping Loop	50
U Loop	25
I Circulation	0
I min %	0.05
I Loop	10.237

FIRING + — CASSEL

mode1	0
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	00000011

	Calculated	Adjusted
KD1	8.500	8.828
KR	1.948	1.602
KW	9.366	9.370
VLL	0.329	0.327
VL GAIN	1.992	2.515
K	0.444	0.444
K1	2.109	2.104
K2	1.702	1.714
O1	0.825	0.825
O2	1.125	1.128
O3	1.152	1.162
O4	1.369	1.367
O5	1.407	1.406
CIRC GAIN	0.000	0.000
CIRC REF	0.000	0.000
RMS	6.000	6.064
RIPPLE	0.000	1.006
OVER Iac	5.413	5.469

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.