415V AC SUPPLY
FROM SHEET 1

R
W
B
N

Q14
/ZQ1
6A

240V AC TPE SUPPLY
REFER SHEET 3

L3 N

X11:2,2
X11:1,2

F61
/ZF1
L N
240VAC
24VDC
+ −

F62
/ZF1
L N
240VAC
24VDC
+ −

X9:1
X9:2
0-10mA

X6:41 42 43

+K20
/Z2
63 61 62

TD111
TOP OIL TEMP

X9:3
X9:4
0-10mA

X6:44 45 46

+K27
/Z2
63 61 62

TD111
WINDING TEMP.

X6:1 2

R1
R2
51
52

X84.6/H
X84.7/H

AIM1-CH 3
AIM1-CH 3

WINDING TEMP.
RATIO 3000:2A 20VA
CLASS 2M

6

+CT6
/Z2

P1
T
S1
S2

Q2
/ZQ1
6A

L1 L2 L3

VOLTAGE
RELAY

F11
/ZF1

K111 /ZK1
K112 /ZK1
K113 /ZK1
K211 /ZK1
K212 /ZK1

Q111 /ZQ1
Q112 /ZQ1
Q113 /ZQ1
Q211 /ZQ1
Q212 /ZQ1

I> I> I>

X6M1:1 2 3
X6M2:1 2 3
X6M3:1 2 3
X6P1:1 2 3
X6P2:1 2 3

+M1
3~
400W
PE
FAN NO.1

+M2
3~
400W
PE
FAN NO.2

START CURRENT = 1.1A
NORMAL CURRENT = 0.81A
SETTING CURRENT = 0.9A

+M3
3~
400W
PE
FAN NO.3

+P1
3~
PE
PUMP NO.1

+P2
3~
PE
PUMP NO.2

NOTE :
NORMAL CURRENT = 2.3A
SETTING CURRENT = 2.4A

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ORIGINAL SCALE

DRAWN PLE
DATE 24-10-11
CH'D PN

APPROVED

Endeavour Energy

DO NOT SCALE
DIMENSIONS IN MILLIMETRES

REFERENCE DRAWINGS

AUTHORISED D Avetis

MGR TRANSMISSION PROJECT DEVELOPMENT 26.10.11

TENDER BASE DESIGN
TYPICAL TRANSFORMER
COOLING AND TAP CHANGE INDICATION
CIRCUIT DIAGRAM

A1 | 365339 | Rev. A

SHEET No 2 OF 3 SHEETS

AMENDMENTS
ORIGINAL ISSUE
A