



- NOTES:**
- LINKS SHOULD BE MOUNTED SO THAT THE MOVEABLE LINK FALLS OPEN WHEN RELEASED.
 - NUMBERING ON BATTERY AND TEST LINKS REFERS TO LINK IDENTIFICATION AS SHOWN ON THE ASSOCIATED AC & DC PROTECTION SCHEMATICS, SEE DRAWING REFERENCE TABLE.
 - ALL PANEL WIRING IS TO BE 7/0.67, 0.6kV GRADE PVC INSULATED COLOURED GREY UNLESS OTHERWISE SPECIFIED. ALL EARTH WIRING TO BE COLOURED GREEN/YELLOW. 415V/240V AC WIRING TO BE RED FOR A PHASE, WHITE FOR B PHASE, BLUE FOR C PHASE AND BLACK FOR NEUTRAL.
 - TERMINALS, INSULATED TEST PANEL SOCKETS AND RELAY CONNECTIONS ARE TO BE FITTED WITH CAUTION LABELS TO WARN OF THE 415V/240 AC HAZARD. ANY EXPOSED RELAY TERMINALS ARE TO BE APPROPRIATELY COVERED.
 - ALL WIRING TO HAVE IDENTIFICATION FERRULES FITTED AT BOTH ENDS OF WIRE ADJACENT TO TERMINALS WHERE POSSIBLE. WIRE IDENTIFICATION CODES TO BE IN ACCORDANCE WITH THIS DRAWING.
 - TEST LINKS (TL) TO BE WIRED N-C-B-A LEFT TO RIGHT WHEN VIEWED FROM THE REAR OF THE PANEL.
 - THE WIRING SHOWN IS BASED ON THE RELAYS LISTED IN THE LEGEND.
 - PANEL DOOR LAYOUT IS REPRESENTATIVE, FOR ACTUAL DOOR LAYOUT SEE DWG 227352Sh01.

TAGNAME	MFG	CATNO	DESC	REF_DWG
BL, LK, TL	EUGADUP	MULDED TYPE M6	BATTERY/TEST LINK	38813
DIFF	K3M	K3M	DIFFERENTIAL FUSE RELAY	15313
EB	-	EARTH BAR	EARTH BAR	-
F51, F52	ALSTOM	RS20P Black	FUSE - 2 STUD BACK CONNECTED	-
LV DC&EF-A	SCHNEIDER ELECT	MICOM P115	OVERCURRENT & EARTH FAULT RELAY	22582
TXP-B	SCHWEITZER	S5L-350A	TRANSFORMER PROTECTION RELAY	22354
TI-1	RMS	3A32K37	TRIP INDICATOR TL-3 (0.2 ohm)	12339
VTT	MULTI CONNECT (IRS COMPONENTS)	SLB4-G	INSULATED TEST PANEL SOCKETS 1 x RED 23 3020 22 (40x-244) 1 x WHITE 23 3020 29 (40x-250) 1 x BLUE 23 3020 23 (40x-216) 1 x BLACK 23 3020 21 (40x-200)	23128
X1, X2, X5, X10	UTILUX	3820	RAIL MOUNTED TERMINAL	18547
X6, X7	UTILUX	3820	RAIL MOUNTED TERMINAL	18547
X8	UTILUX	H2238	RAIL MOUNTED TERMINAL - ORANGE	-
X50, X1	UTILUX	3820	RAIL MOUNTED TERMINAL	18547
X5	WEIDMULLER	SAK 25	RAIL MOUNTED TERMINAL CAT No 27566	18547
X5	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No 43226	-

TITLE	DIWG No.
RMICB SUBSTATIONS WITH E TYPE LV BOARD AC SCHEMATIC WITH OPTICAL ARC FLASH DETECTION	2273505001
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER DC SCHEMATIC WITH OPTICAL ARC FLASH DETECTION	2273505002
RMICB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT DC SCHEMATIC	2273505003
RMICB SUBSTATIONS WITH E TYPE LV BOARD DC SUPPLY CABLE LOOPING AND SCADA SCHEMATIC	2273505004
RMICB SUBSTATIONS WITH E TYPE LV BOARD WITH OPTICAL ARC FLASH DETECTION FIBRE LOOPING AND GENERAL MOUNTING DETAILS	2273505005
RMICB SUBSTATIONS WITH E TYPE LV BOARD TX WALL MOUNTED PROTIN PANEL WITH OPTICAL AFD STYLE 1 LAYOUT AND LABEL DETAILS DIAGRAM	2273515001
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 1 WIRING DIAGRAM	2273515002
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 1 CABLE CONNECTION DIAGRAM	2273515003
RMICB SUBSTATIONS WITH E TYPE LV BOARD TX WALL MOUNTED PROTIN PANEL WITH OPTICAL AFD STYLE 2 LAYOUT AND LABEL DETAILS DIAGRAM	2273525001
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 2 WIRING DIAGRAM	2273525002
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 2 CABLE CONNECTION DIAGRAM	2273525003
RMICB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT WALL MOUNTED PROTIN PANEL LAYOUT AND LABEL DETAILS DIAGRAM	2273535001
RMICB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT WIRING DIAGRAM	2273535002
RMICB SUBSTATIONS WITH E TYPE LV BOARD OPTICAL ARC FLASH DETECTION INDICATION PANEL SCHEMATIC DRILLING AND WIRING DIAGRAM	2273545001
RMICB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLING DIAGRAM	2273555001
RMICB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLE SCHEDULE	2273555002
RMICB SUBSTATIONS WITH E TYPE LV BOARD SUBURBAN TYPE SUBSTATION WITH 1500kVA TRANSFORMERS SERVICE BOARD GEN. ARRANGEMENT AND WIRING	2273565001
E TYPE LV BOARD MERLIN GERIN MASTERPAC TP AIR CIRCUIT BREAKERS EXTERNAL CONNECTIONS FOR AFD DIST. SUBSTATIONS	2273575001
RMICB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION SCADA PANEL WIRING AND CABLING DETAILS	2273585001
E TYPE LV BOARD ACCEPTABLE COMBINATIONS	178227
EPOXY RESIN ENCASED PROTECTION CURRENT TRANSFORMER OUTLINE AND DETAILS	125190

20111004

EDS DRAWING
REVISED 10/04/2010

REFERENCES:
1. REF F&E 1100 (FORM 651) AS PER
LEGEND FOR NEW SOCKETS STYLE
2. REF F&E 1100 (FORM 651) AS PER
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APPROVED:
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D. BENNETT

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DESIGNED	-
DRAWN	L. MARTINUZZI
CHECKED	W. BYRNE
APPROVED	M. BENNETT
DATE	15/06/2012
PROJ/TK NUMBER	-
DRAWING No	227352
SHEET	2
AMD	1
SIZE	A0

RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER WALL MOUNTED PROTECTION PANEL WITH OPTICAL AFD STYLE 2 WIRING DIAGRAM

DRAWING No **227352** SHEET 2 AMD 1 SIZE A0

C&P - Distribution Substations