



- 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 AS LISTED HERE:
    - DC WIRING IS TO BE 7/0.50, 0.6KV GRADE PVC INSULATED COLOURED GREY.
    - EARTH WIRING IS TO BE 7/0.67, 0.6KV GRADE PVC INSULATED COLOURED GREEN/YELLOW (Y/G).
    - A PHASE CT AND AC WIRING IS TO BE 7/0.67, 0.6KV GRADE PVC INSULATED COLOURED RED (R).
    - B PHASE CT AND AC WIRING IS TO BE 7/0.67, 0.6KV GRADE PVC INSULATED COLOURED WHITE (W).
    - C PHASE CT AND AC WIRING IS TO BE 7/0.67, 0.6KV GRADE PVC INSULATED COLOURED BLUE (B).
    - EARTH CT AND NEUTRAL AC WIRING IS TO BE 7/0.67, 0.6KV GRADE PVC INSULATED COLOURED BLACK (BK).
  - 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 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 227351SH01.

TAGNAME	MFG	CATNO	DESC	REF DWG
BL, LK, TL	EUGADUP	MOULDED TYPE M6	BATTERY/TEST LINK	38841
DIFF	-	K3M	DIFFERENTIAL FUSE RELAY	113243
EB	-	EARTH BAR	EARTH BAR	-
FS1 FS2	ALSTOM	RS20P Blank	FUSE - 2 STUD BACK CONNECTED	-
LV DCK&F-A	SCHNEIDER ELECT	MCOM P155	OVERCURRENT & EARTH FAULT RELAY	225982
TXP-B	SCHWEITZER	SEL-T51A	TRANSFORMER PROTECTION RELAY	222614
VTT	MULTI CONNECT	SLB4-G	INSULATED TEST PANEL SOCKETS 1x RED 23 3020 27 (404-244) 1x WHITE 23 3020 29 (404-250) 1x BLUE 23 3020 31 (404-246) 1x BLACK 23 3020 21 (404-200)	231226
X1, X2, X10	UTILUX	3820	RAIL MOUNTED TERMINAL	18547
X6, X7	UTILUX	3820	RAIL MOUNTED TERMINAL	18547
X8	UTILUX	H2138	RAIL MOUNTED TERMINAL - ORANGE	-
X50	UTILUX	3820	RAIL MOUNTED TERMINAL	18547
XS	WEIDMULLER	SAK 25	RAIL MOUNTED TERMINAL CAT No. 27566	-
XS	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No. 41226	-

TITLE	DIWG No
RMCB SUBSTATIONS WITH E TYPE LV BOARD AC SCHEMATIC WITH OPTICAL ARC FLASH DETECTION	2273505901
RMCB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER DC SCHEMATIC WITH OPTICAL ARC FLASH DETECTION	2273505902
RMCB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT DC SCHEMATIC	2273505903
RMCB SUBSTATIONS WITH E TYPE LV BOARD DC SUPPLY CABLE LOOPING AND SCADA SCHEMATIC	2273505904
RMCB SUBSTATIONS WITH E TYPE LV BOARD OPTICAL ARC FLASH DETECTION FIBRE LOOPING AND GENERAL MOUNTING DETAILS	2273505905
RMCB SUBSTATIONS WITH E TYPE LV BOARD TX WALL MOUNTED PROTIN PANEL WITH OPTICAL AFD STYLE 1 LAYOUT AND LABEL DETAILS DIAGRAM	2273515901
RMCB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 1 WIRING DIAGRAM	2273515902
RMCB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 1 CABLE CONNECTION DIAGRAM	2273515903
RMCB SUBSTATIONS WITH E TYPE LV BOARD TX WALL MOUNTED PROTIN PANEL WITH OPTICAL AFD STYLE 2 LAYOUT AND LABEL DETAILS DIAGRAM	2273525901
RMCB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 2 WIRING DIAGRAM	2273525902
RMCB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 2 CABLE CONNECTION DIAGRAM	2273525903
RMCB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT WALL MOUNTED PROTIN PANEL LAYOUT AND LABEL DETAILS DIAGRAM	2273535901
RMCB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT WIRING DIAGRAM	2273535902
RMCB SUBSTATIONS WITH E TYPE LV BOARD OPTICAL ARC FLASH DETECTION INDICATION PANEL SCHEMATIC DRILLING AND WIRING DIAGRAM	2273545901
RMCB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLING DIAGRAM	2273555901
RMCB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLE SCHEDULE	2273555902
RMCB SUBSTATIONS WITH E TYPE LV BOARD SUBURBAN TYPE SUBSTATION WITH 1500kVA TRANSFORMERS SERVICE BOARD GEN. ARRANGEMENT AND WIRING	2273565901
E TYPE LV BOARD MERLIN GERIN MASTERPAC TP AIR CIRCUIT BREAKERS EXTERNAL CONNECTIONS FOR AFD DIST. SUBSTATIONS	2273575901
RMCB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION SCADA PANEL WIRING AND CABLING DETAILS	2273585901
E TYPE LV BOARD ACCEPTABLE COMBINATIONS	17827
EPOXY RESIN ENCASED PROTECTION CURRENT TRANSFORMER OUTLINE AND DETAILS	126190
REFERENCE DRAWINGS	

PANEL TERMINAL RAIL LAYOUT FRONT VIEW

PANEL DOOR REAR VIEW

**END NOTES**

1. REFERENCE TO THIS DRAWING FROM ANY OTHER DRAWING SHOULD BE TO THE LEGEND FOR NEW SOCKETS STYLE.

2. LEGEND FOR NEW SOCKETS STYLE.

3. L. MARTINUZZI

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SCALE: AS SHOWN

DESIGNED: -

DRAWN: L.MARTINUZZI

CHECKED: W.BYRNE

APPROVED: M.BENNETT

DATE: 15/06/2012

TRIM REF: -

PROJECT NUMBER: SM 6717-1-2

DRAWING No: 227351 SHEET 2 AMD 2 SIZE A0

RMCB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER WALL MOUNTED PROTECTION PANEL WITH OPTICAL AFD STYLE 1 WIRING DIAGRAM

C&P - DISTRIBUTION SUBSTATION