



PANEL TERMINAL RAIL LAYOUT CABLING & WIRE JUMPERS

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- NOTES:**
- ALL CABLING AND WIRE JUMPING SHOWN IS FOR A 3 TRANSFORMER SUBSTATION WITH 2 CUSTOMER OVERCURRENT PROTECTION PANELS. ONLY REQUIRED CABLING AND WIRE JUMPING IS TO BE INSTALLED. SEE THE SUBSTATION DESIGN INFORMATION PACKAGE AND RELEVANT NETWORK STANDARDS.
 - CABLE NAMING COULD ALTER FOR THE POSSIBLE SUBSTATION CONFIGURATIONS. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE CABLING AND CABLE SCHEDULE DRAWINGS 227355SH01 - 02.
 - 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, FUSES 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.
 - ALARM AND SIGNAL CABLE SCREENS TO BE ISOLATED AND NOT TO BE TERMINATED IN THIS CABINET. SCREENS ONLY TO BE EARTHED AT SCADA CABINET.

TAGNAME	MFG	CATNO	DESC	REF_DWG
X1, X2, X10	UTILUX	3820	RAIL MOUNTED TERMINAL	11854.7
X5, X7	UTILUX	3820	RAIL MOUNTED TERMINAL	11854.7
X8	UTILUX	H2238	RAIL MOUNTED TERMINAL - ORANGE	11854.7
X9	UTILUX	3820	RAIL MOUNTED TERMINAL	11854.7
X5	WEIDMULLER	SAK 2.5	RAIL MOUNTED TERMINAL CAT No. 27966	-
X5	I-I	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No. 41226

TITLE	DIWG No
RMICB SUBSTATIONS WITH E TYPE LV BOARD AC SCHEMATIC WITH OPTICAL ARC FLASH DETECTION	227355SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER DC SCHEMATIC WITH OPTICAL ARC FLASH DETECTION	227355SH02
RMICB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT DC SCHEMATIC	227355SH03
RMICB SUBSTATIONS WITH E TYPE LV BOARD DC SUPPLY CABLE LOOPING AND SCADA SCHEMATIC	227355SH04
RMICB SUBSTATIONS WITH E TYPE LV BOARD OPTICAL ARC FLASH DETECTION FIBRE LOOPING AND GENERAL MOUNTING DETAILS	227355SH05
RMICB SUBSTATIONS WITH E TYPE LV BOARD TX WALL MOUNTED PROTIN PANEL WITH OPTICAL AFD STYLE 1 LAYOUT AND LABEL DETAILS DIAGRAM	227351SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 1 WIRING DIAGRAM	227351SH02
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 1 CABLE CONNECTION DIAGRAM	227351SH03
RMICB SUBSTATIONS WITH E TYPE LV BOARD TX WALL MOUNTED PROTIN PANEL WITH OPTICAL AFD STYLE 2 LAYOUT AND LABEL DETAILS DIAGRAM	227352SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 2 WIRING DIAGRAM	227352SH02
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER PROTECTION PANEL STYLE 2 CABLE CONNECTION DIAGRAM	227352SH03
RMICB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT WALL MOUNTED PROTIN PANEL LAYOUT AND LABEL DETAILS DIAGRAM	227353SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT WIRING DIAGRAM	227353SH02
RMICB SUBSTATIONS WITH E TYPE LV BOARD OPTICAL ARC FLASH DETECTION INDICATION PANEL SCHEMATIC DRILLING AND WIRING DIAGRAM	227354SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLING DIAGRAM	227355SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD OPTICAL ARC FLASH DETECTION CABLE SCHEDULE	227355SH02
RMICB SUBSTATIONS WITH E TYPE LV BOARD SUBURBAN TYPE SUBSTATION WITH 1500kVA TRANSFORMERS SERVICE BOARD GEN. ARRANGEMENT AND WIRING	227356SH01
E TYPE LV BOARD MERLIN GERIN MASTERPAC TP AIR CIRCUIT BREAKERS EXTERNAL CONNECTIONS FOR AFD DIST. SUBSTATIONS	227357SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION SCADA PANEL WIRING AND CABLE DETAILS	227358SH01
E TYPE LV BOARD ACCEPTABLE COMBINATIONS	178227
EPOXY RESIN ENCASED PROTECTION CURRENT TRANSFORMER OUTLINE AND DETAILS	126190
REFERENCE DRAWINGS	

SCALE
 DESIGNED -
 DRAWN - L.MARTINUZZI
 CHECKED - W.BYRNE
 APPROVED - M.BENNETT
 DATE - 15/06/2012
 TRIM REF -
 PROJECT NUMBER - SM 6717-1-2

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RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER WALL MOUNTED PROTECTION PANEL WITH OPTICAL AFD STYLE 1 CABLING CONNECTION DIAGRAM

DRAWING No **227351** SHEET 3 AMD 1 SIZE A0