



**NOTES:**

1. THIS DRAWING SHOWS THE SCADA PANEL LAYOUT WHICH IS TO BE USED IN CONJUNCTION WITH RMICB SUBSTATIONS WHERE ARC FLASH DETECTION UPGRADE IS INSTALLED. IT SHOULD BE READ IN CONJUNCTION WITH NETWORK STANDARDS AND THE SUBSTATION DESIGN INFORMATION PACKAGE.
2. MODEM TO BE MOUNTED AS SHOWN ON DIN RAIL (TH35). MODEM MAY BE FIXED TO MOUNTING PLATE.
3. ALL DIMENSIONS ARE IN MILLIMETRES.
4. FOR TERMINAL STRIP WIRING DETAILS SEE DRAWING 227363-1.

TAGNAME	MFG	CATNO	DESC	REF DWG
SCADA PANEL	B&R	NJ06063	WALL MOUNTED PANEL 600x600x300	-
DC-DC	SNAPTECH	GB30-4812	DC/DC CONVERTER 48VDC TO 12VDC 30W	-
M	SIERRA WIRELESS	RV50X	4G MODEM	-
SCADA UNIT	SIEMENS	A8000	SICAM A8000 UNIT - SLOT 1 CP-8050 CPU MODULE, SLOT 2 PS-8620 POWER MODULE, SLOT 3 & 4 DI-8111 DIGITAL INPUT MODULES	-
X1	UTILUX	3820	RAIL MOUNTED TERMINAL	118547
X2, X3	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No.41226	-
X3, XS1	WEIDMULLER	ASK1	RAIL MOUNTED FUSE CAT No. 37676	-
XS1 - 2	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No.41226	-
XE1 - 5	WEIDMULLER	EK 2.5N	RAIL MOUNTED EARTH TERM CAT No.47436	-
<b>LEGEND</b>				

DISTRIBUTION SUBSTATION SCADA PANEL WIRING & CABLE CONNECTIONS WITH BUSBAR PROTECTION WITH OAFD	227363Sh01
DISTRIBUTION SUBSTATION SCHEMATIC WITH RMICBS WITH H2 LV BOARDS WITH LV TRANSFORMER LINKS WITH CUSTOMER SUPPLY PANELS WITH OAFD	242878Sh01
DISTRIBUTION SUBSTATION SCHEMATIC WITH RMICBS WITH H2 LV BOARDS WITH LV TRANSFORMER ACBS WITH CUSTOMER SUPPLY PANELS WITH OAFD	227360Sh01
<b>REFERENCES</b>	

<p>CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS ADDED TO LIST.</p> <p>EKAIROUZ 27-09-2016 C.MURPHY C.MURPHY SM-16789 PN: D16/292602 TRIM REF:</p> <p>2. REE REVISIONS, CLOUDS IN RED: REMOVED DIN RAIL &amp; MODEM FROM REAR DOOR VIEW, ADDED TH35 DIN RAIL. AMENDED SCADA RELAY TYPE &amp; MOUNTING. AMENDED MODEM TYPE &amp; MOUNTING POSITION. ADDED DC-DC CONVERTER &amp; X3 TERMINALS. AMENDED NOTES. L.MARTINUZZI 24-05-2023 CHECKED: M.BENNETT APPROVED: M.BENNETT</p>	<p><b>Ausgrid</b></p> <p>24 Campbell Street SYDNEY NSW 2000 P: 9272 3805</p>	SCALE	AS SHOWN	<p>DISTRIBUTION SUBSTATION SCADA PANEL LAYOUT AND LABELS WITH BUSBAR PROTECTION WITH OAFD</p>	<p>SIZE <b>A2</b></p>	<p>DRAWING No <b>227363</b></p>	<p>SHEET <b>2</b></p>	<p>AMD <b>2</b></p>
		DESIGNED	-					
DRAWN	L.MARTINUZZI							
CHECKED	M.BENNETT							
APPROVED	B.HAINES							
DATE	23/10/2012	PROJECT NUMBER	SM 6717-1-2	C&P - Distribution Substations				
TRIM REF		<p>ISSUED FOR <b>CONSTRUCTION</b></p>						