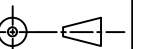


MICROSHELF AND MICROPACK PANEL MOUNT PRODUCT GUIDE

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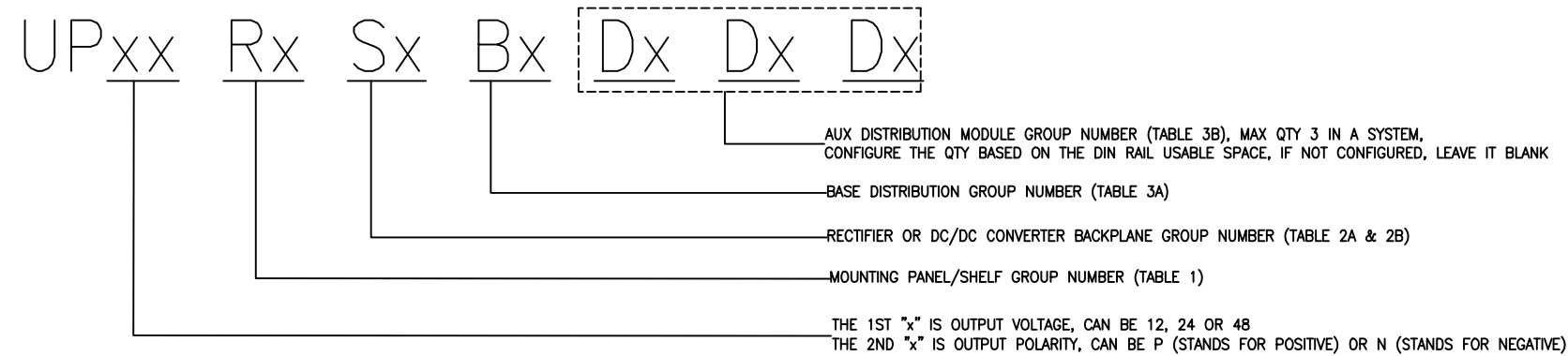
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MICROSHELF AND MICROPACK PANEL MOUNT PRODUCT GUIDE



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MICROPACK POWER SYSTEM DESCRIPTION



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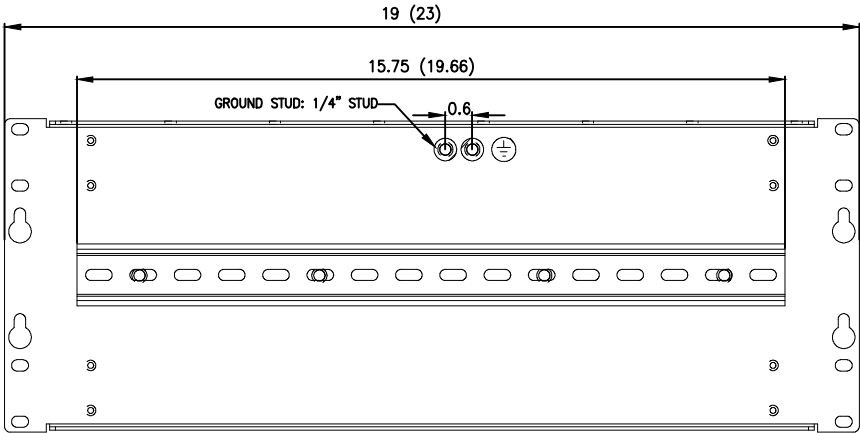
SECTION 1 MICROPACK MOUNTING PANEL OR SHELF SELECTION

UPxx

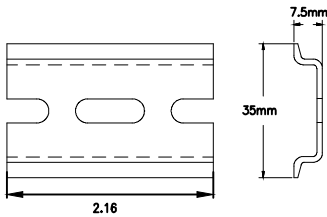
Rx

 Sx Bx Dx Dx Dx

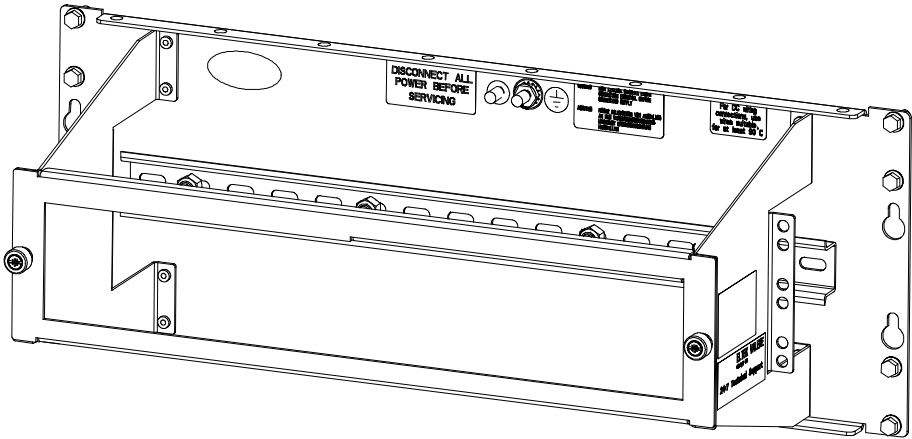
TABLE 1 MOUNTING PARTS LIST MUST SELECT ONE							
GROUP NUMBER	PART NUMBER	DESCRIPTION	WIDTH (IN)	DEPTH (IN) INCLUDING RECTIFIER	VERT. SPACE (RU) INCLUDING RECTIFIER	USABLE WIDTH (IN)	NOTE
R1	284635	DIN RAIL MOUNTING PANEL, 19" WIDE, 4RU HIGH, INCLUDING: - 19" WIDE MOUNTING PANEL, 4RU HIGH - DIN RAIL, 15.75" (400mm), 1.4" (35mm) X 0.6" (15mm)	19	6.25	4	15.75	
R2	278670	DIN RAIL MOUNTING PANEL, 23" WIDE, 4RU HIGH, INCLUDING: - 23" MOUNTING PANEL, 4RU HIGH - DIN RAIL, 19.66" (500mm), 1.4" (35mm) X 0.6" (15mm), SLOT	23	6.25	4	19.66	
R3	256562	DIN RAIL, 35mm X 7.5mm, SLOTTED, 2.16" (54mm) WIDE	2.16	6.25	4	2.16	
R4	284635 286868	DIN RAIL MOUNTING PANEL, 19" WIDE, 4RU HIGH, SEISMIC INCLUDING: - 19" WIDE MOUNTING PANEL, 4RU HIGH - DIN RAIL, 15.75" (400mm), 1.4" (35mm) X 0.6" (15mm) - SEISMIC ADD-ON KIT	19	6.75	4	15.75	
R5	297412 297415	DIN RAIL MOUNTING PANEL, 23" WIDE, 4RU HIGH, SEISMIC, INCLUDING: - 23" MOUNTING PANEL, 4RU HIGH - DIN RAIL, 19.66" (500mm), 1.4" (35mm) X 0.6" (15mm), SLOT - SEISMIC ADD-ON KIT	23	6.75	4	19.66	
R6	295743	DIN RAIL MOUNTING MICROSHELF, 19" MOUNTED, 4RU HIGH - 19" MOUNTING SHELF, 4RU HIGH - DIN RAIL, 15.75" (400mm), 1.4" (35mm) X 0.6" (15mm)	19	6.75	4	15.75	ALL MICROSHELF ARE PRECONFIGURED, SEE SECTION 7.0 FOR AVAILABLE PART NUMBERS



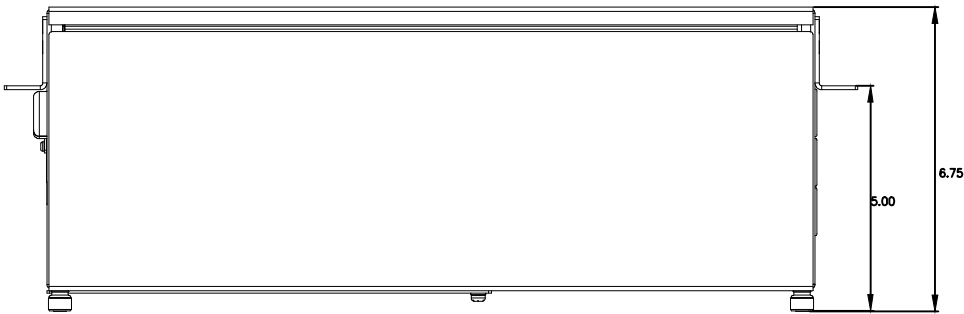
R1 – 19" DIN RAIL MOUNTING PANEL (R2 – 23" DIN RAIL MOUNTING PANEL)



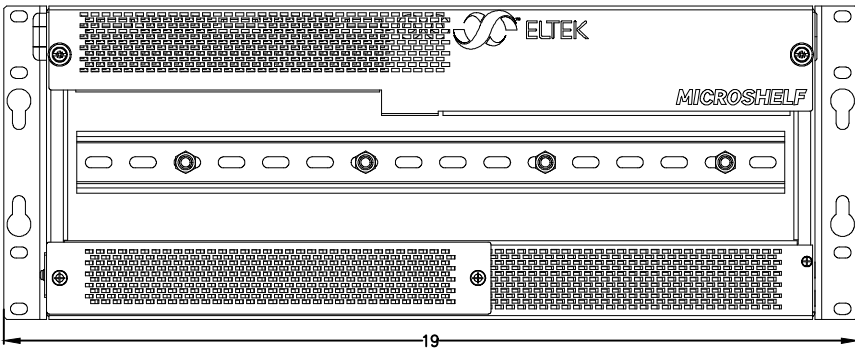
R3 – DIN RAIL FOR STANDALONE BACKPLANE



R4 – 19" SEISMIC DIN RAIL MOUNTING PANEL
(R5 – 23" SEISMIC DIN RAIL MOUNTING PANEL)



R6 – SHELF TOP VIEW



R6 – SHELF FRONT VIEW (BACKPLANE AND DISTRIBUTION FOR REFERENCE)



R6 – SHELF (BACKPLANE AND DISTRIBUTION FOR REFERENCE)

NOTE: R3 IS ONLY FOR STANDALONE BACKPLANE

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SECTION 2.0 RECTIFIER OR DC/DC CONVERTER BACKPLANE,
MUST SELECT ONE

UPxx Rx Sx Bx Dx Dx Dx

NOTE:
1. IF S1 OR S10 IS SELECTED, "Bx Dx Dx Dx" WILL NOT NEED TO BE CONFIGURED, AND THEY WILL NOT BE SHOWN IN THE DESCRIPTION

TABLE 2A RECTIFIER BACKPLANE

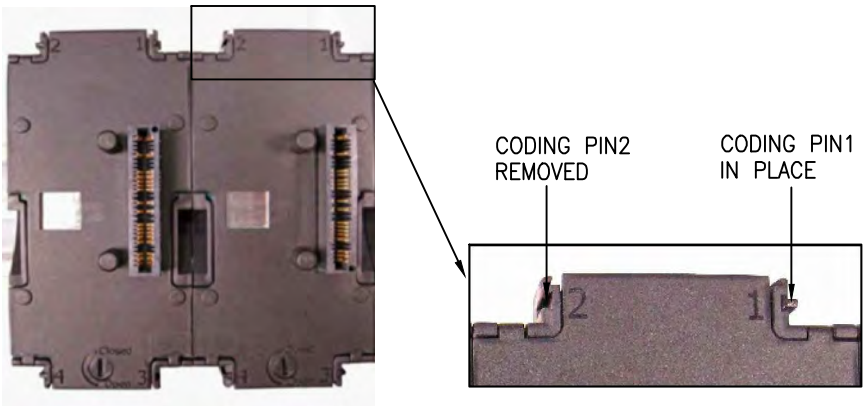
GROUP NUMBER	PART NUMBER	DESCRIPTION	OUTPUT VOLTAGE (VDC)	MAX. OUTPUT CURRENT (A)	RECTIFIER POSITIONS	OUTPUT AND CONNECTION	AC INPUT TERMINAL BLOCK				COMPATIBLE MOUNTING PANEL/SHELF GROUP	OVERALL WIDTH (IN)	REQUIRED DIN RAIL SPACE (IN)	DEPTH (IN) (W/RECTIFIER)	VERT. SPACE (RU)	NOTE
							AC INPUT FEED PER SYSTEM	MAX. AC INPUT CURRENT (A)	AC TERMINAL STYLE	AC INPUT WIRE MAX SIZE						
S1	241120.900	STAND ALONE RECTIFIER BACKPLANE UNIT – QTY 1 RECTIFIER POSITION – SINGLE AC INPUT, TERMINAL BLOCK, MAX. 14AWG – QTY 2 BULK OUTPUTS, TERMINAL BLOCKS, MAX. 14AWG – MODULE FAILURE ALARM OUTPUT, TERMINAL BLOCKS, MAX. 20AWG	48, 24V, 12V	48V/5A 24V/10A 12V/10A	1	QTY 2 BULK OUTPUTS TERMINAL BLOCK, MAX. 14AWG	SINGLE FEED	2	TERMINAL BLOCK QTY 1	14AWG	R3	1.75	1.75	6.36	4	THE STANDALONE UNIT IS SUITABLE FOR APPLICATIONS NOT REQUIRING THE CONTROLLER AND BATTERY FUNCTIONALITY
S2	241120.901	2-POSITION RECTIFIER BACKPLANE UNIT – QTY 2 RECTIFIER POSITIONS – SINGLE AC INPUT, TERMINAL BLOCK, MAX. 14AWG – QTY 1 BULK OUTPUT, CONNECTED TO DISTRIBUTION MODULE – CAN CABLE (253462) CONNECTED TO BATTERY/BULK MODULE IN SECTION 3.0	48, 24V, 12V	48V/10A 24V/20A 12V/20A	2	QTY 1 BULK OUTPUT M4 SCREWS, CONNECTED TO DISTRIBUTION MODULE	SINGLE FEED	7	TERMINAL BLOCK QTY 1	14AWG	R1, R2, R4, R5, R6	5.24	5.04	6.36	4	
S3	241120.902	4-POSITION RECTIFIER BACKPLANE UNIT – QTY 4 RECTIFIER POSITIONS – SINGLE AC INPUT, TERMINAL BLOCK, MAX. 14AWG – QTY 1 BULK OUTPUT, CONNECTED TO DISTRIBUTION MODULE – CAN CABLE (253462) CONNECTED TO BATTERY/BULK MODULE IN SECTION 3.0	48, 24V, 12V	48V/20A 24V/40A 12V/40A	4	QTY 1 BULK OUTPUT M4 SCREWS, CONNECTED TO DISTRIBUTION MODULE	SINGLE FEED	7	TERMINAL BLOCK QTY 1	14AWG	R1, R2, R4, R5, R6	8.74	8.55	6.36	4	

TABLE 2B DC/DC CONVERTER BACKPLANE

GROUP NUMBER	PART NUMBER	DESCRIPTION	OUTPUT VOLTAGE (VDC)	MAX. OUTPUT CURRENT (A)	DC/DC CONVERTER POSITIONS	OUTPUT AND CONNECTION	DC INPUT TERMINAL BLOCK				COMPATIBLE MOUNTING PANEL/SHELF GROUP	OVERALL WIDTH (IN)	REQUIRED DIN RAIL SPACE (IN)	DEPTH (IN) (W/CONVERTER)	VERT. SPACE (RU)	NOTE
							DC INPUT FEED PER SYSTEM	MAX. DC INPUT CURRENT (A)	DC TERMINAL STYLE	DC INPUT WIRE MAX SIZE						
S10	241120.905	STAND ALONE DC/DC CONVERTER BACKPLANE UNIT – QTY 1 DC/DC CONVERTER POSITION – SINGLE DC INPUT, TERMINAL BLOCK, MAX. 12AWG – QTY 2 BULK OUTPUT, TERMINAL BLOCKS, MAX. 14AWG – MODULE FAILURE ALARM OUTPUT, TERMINAL BLOCKS, MAX. 20AWG	12V	12A	1	QTY 2 BULK OUTPUTS TERMINAL BLOCK, MAX. 14AWG	SINGLE FEED	15A PER FEED	TERMINAL BLOCK QTY 1	12AWG	R3	1.75	1.75	6.36	4	THE STANDALONE UNIT IS SUITABLE FOR APPLICATIONS NOT REQUIRING THE CONTROLLER AND BATTERY FUNCTIONALITY
S11	241120.907	4-POSITION DC/DC CONVERTER BACKPLANE UNIT – QTY 4 DC/DC CONVERTER POSITIONS – INDIVIDUAL DC INPUT, TERMINAL BLOCK, MAX. 12AWG – QTY 1 BULK OUTPUT, CONNECTED TO DISTRIBUTION MODULE – CAN CABLE (259444) CONNECTED TO BATTERY/BULK MODULE IN SECTION 3.0	12V	40A	4	QTY 1 BULK OUTPUT M4 SCREWS, CONNECTED TO DISTRIBUTION MODULE	INDIVIDUAL FEED TOTAL 4	15A PER FEED	SCREW TERMINAL QTY 1	12AWG	R1, R2, R4, R5, R6	8.74	8.55	6.36	4	

NOTE:
1. THE BACKPLANES (S2 AND S3) ARE KEYED WITH REMOVABLE CODING PINS TO PREVENT THE USE OF THE INCORRECT RECTIFIER (BASED ON OUTPUT VOLTAGE). THE APPROPRIATE CODING PINS MUST BE REMOVED FROM THE BACKPLANE BEFORE MICROPACK RECTIFIERS CAN BE INSTALLED, DETAIL SEE TABLE 3B AND PICTURE "CODING PIN SETTING"
2. DO NOT REMOVE CODING PINS FROM MICROPACK RECTIFIERS

TABLE 3B CODING PIN SETTING	
RECTIFIER OUTPUT VOLTAGE	CODING PINS TO REMOVE
48 VDC	2 AND 3
24 VDC	1 AND 4
12 VDC	2 AND 4



CODING PIN SETTING

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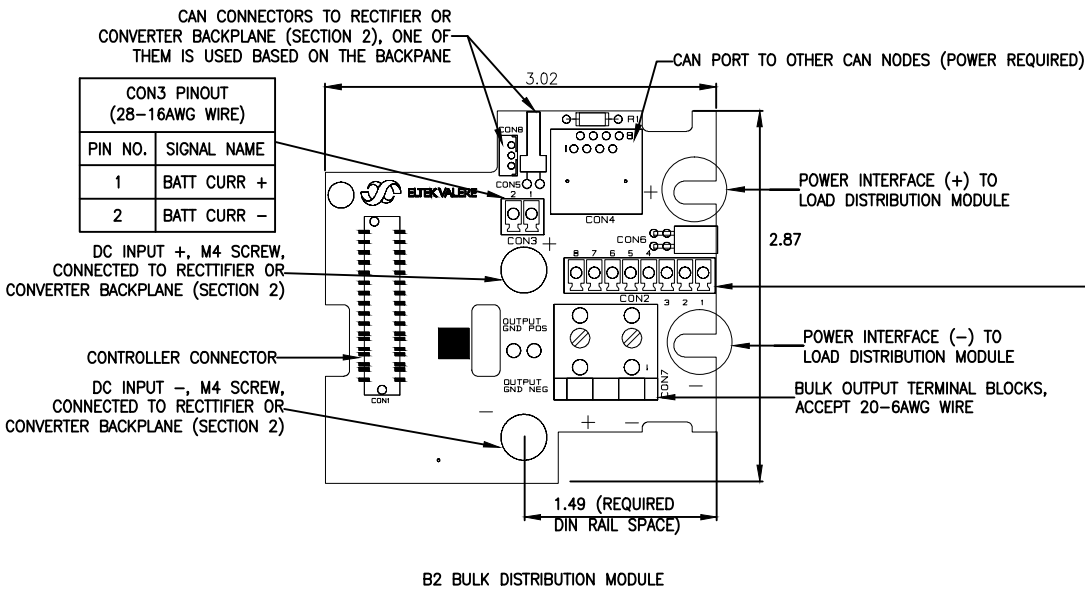
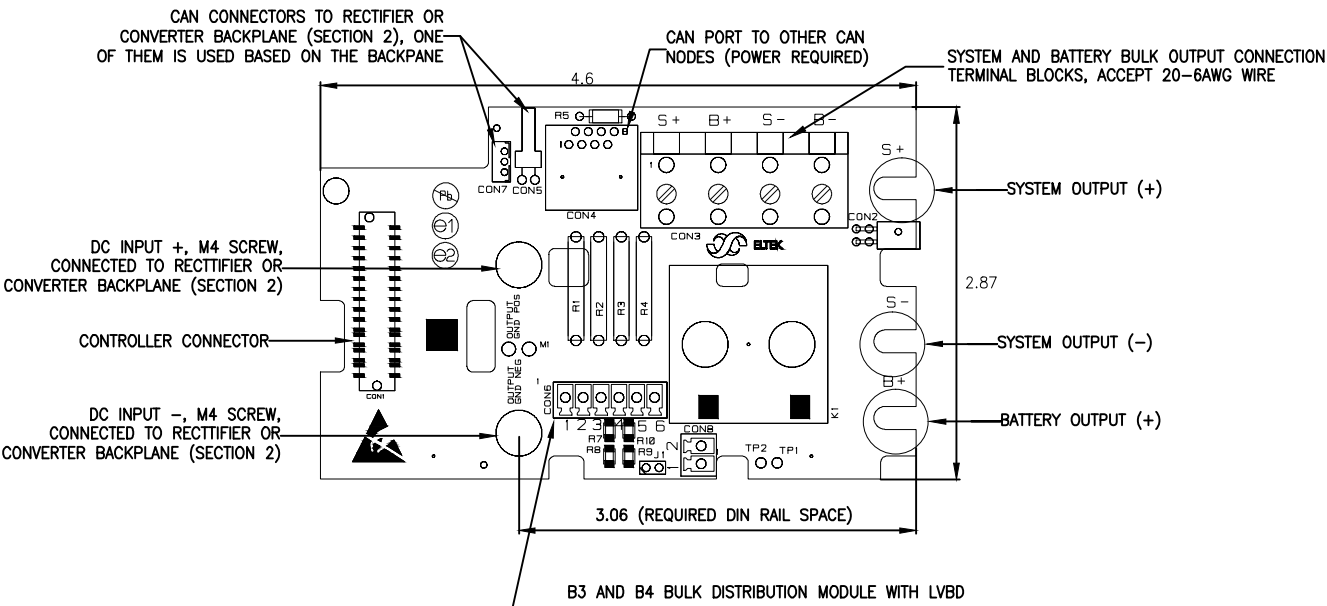
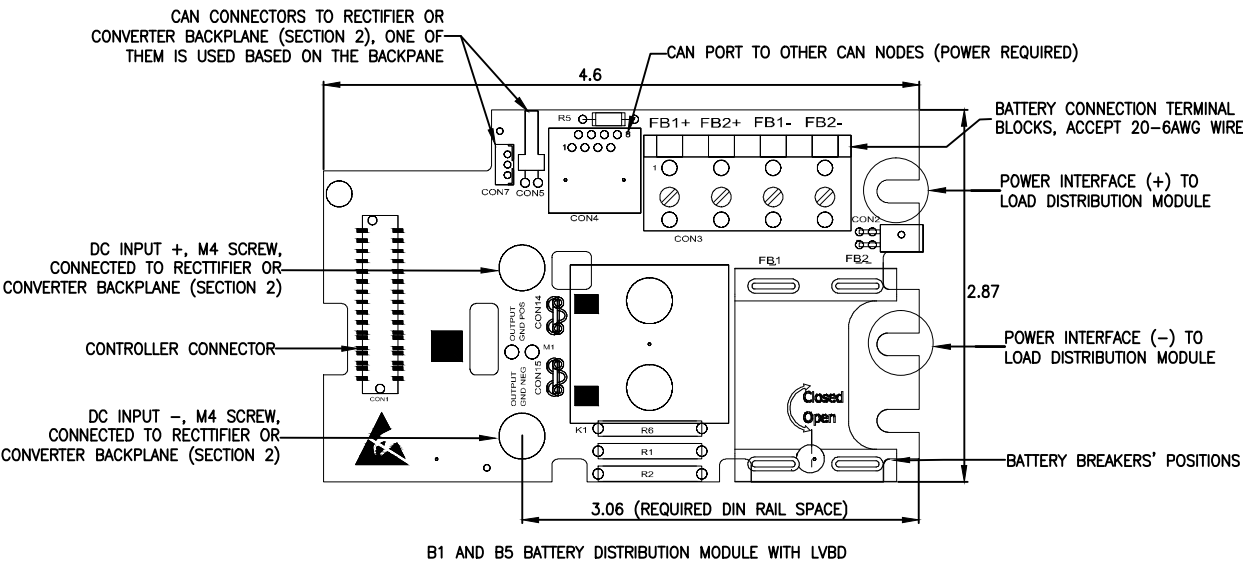
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SECTION 3.0 BATTERY/BULK DISTRIBUTION MODULE

UPxx Rx Sx Bx Dx Dx Dx

TABLE 3A BATTERY/BULK DISTRIBUTION MODULE MUST SELECT ONE

GROUP NUMBER	PART NUMBER	DESCRIPTION	OUTPUT VOTAGE (VDC)	CURRENT CAPACITY (A)	BATTERY DISTRIBUTION			LOAD/SYSTEM DISTRIBUTION		COMPATIBLE RECTIFIER OR CONVERTER SHELF GROUP	OVERALL WIDTH (IN)	REQUIRED DIN RAIL SPACE (IN)	DEPTH (IN)	VERT. SPACE (RU)	NOTE
					# OF BATT. BREAKER AND CONNECTION	# OF BATT. BULK OUTPUT CONNECTIONS	NO LVD OR LVBD AND RATING	# OF LOAD BREAKER AND CONNECTION	# OF BULK CONNECTIONS						
B1	241120.910	BATTERY DISTRIBUTION MODULE WITH COVER, NEG POLARITY, 40A MAX. - QTY 2 BATTERY BREAKER POSITIONS, TERMINAL BLOCK CONNECTIONS, MAX. 6AWG WIRE - BATTERY SHUNT 25A/60mV AND 50A (48V) LVBD	-48	40	QTY 2 TERMINAL BLOCKS, 20-6AWG	N/A	50A LVBD	N/A	N/A	S2, S3	4.60	3.06	4	2	1. CONTROLLER REQUIRED 2. MAX. MCB SIZE IS 30A
B2	241120.911	BULK DISTRIBUTION MODULE WITH COVER, POS OR NEG POLARITY, 40A MAX. - QTY 1 SYSTEM BULK OUTPUT, TERMINAL BLOCK CONNECTIONS, MAX. 6AWG WIRE - NO SHUNT AND NO LVBD - CABLE (296895) JUMPER	±48, ±24, ±12	40	N/A	N/A	NO LVD	N/A	QTY 1 TERMINAL BLOCKS, 20-6AWG	S2, S3, S11	3.00	1.49	4	2	CABLE (296895) IS FOR SYSTEM REFERENCE. IT IS USED WHEN B2 WORKS WITH D1 IN SECTION 3.1, CONNECT IT BETWEEN PIN2 OF CON3 AND SYSTEM NEGATIVE (SEE SECTION 8.4 FOR ONE APPLICATION)
B3	241120.912	BATTERY AND LOAD BULK DISTRIBUTION WITH COVER, POSTIVE POLARITY, 40A MAX. - ONE SYSTEM BULK OUTPUT, TERMINAL BLOCK CONNECTIONS, MAX. 6AWG WIRE - ONE BATTERY BULK OUTPUT, TERMINAL BLOCK CONNECTIONS, MAX. 6AWG WIRE - BATTERY SHUNT 48A/60mV AND 50A (12V) LVBD	+12	40	N/A	QTY 1 TERMINAL BLOCKS, 20-6AWG	50A LVBD	N/A	QTY 1 TERMINAL BLOCKS, 20-6AWG	S2, S3, S11	4.60	3.06	4	2	1. CONTROLLER REQUIRED
B4	241120.914	BATTERY AND LOAD BULK DISTRIBUTION WITH COVER, POSTIVE POLARITY, 40A MAX - QTY 1 SYSTEM BULK OUTPUT, TERMINAL BLOCK CONNECTIONS, MAX. 6AWG WIRE - QTY 1 BATTERY BULK OUTPUT, TERMINAL BLOCK CONNECTIONS, MAX. 6AWG WIR - BATTERY SHUNT 48A/60mV AND 50A (24/48V) LVBD	+24, +48	40	N/A	QTY 1 TERMINAL BLOCKS, 20-6AWG	50A LVBD	N/A	QTY 1 TERMINAL BLOCKS, 20-6AWG	S2, S3	4.60	3.06	4	2	1. CONTROLLER REQUIRED
B5	241120.915	BATTERY DISTRIBUTION MODULE WITH COVER, NEGATIVE POLARITY, 40A MAX, - QTY 2 BATTERY BREAKER POSITIONS, TERMINAL BLOCK CONNECTIONS, MAX. 6AWG WIRE - BATTERY SHUNT 25A/60mV AND 50A (24/48V) LVBD	-24, -48	40	QTY 2 TERMINAL BLOCKS, 20-6AWG	N/A	50A LVBD	N/A	N/A	S2, S3	4.60	3.06	4	2	1. CONTROLLER REQUIRED 2. MAX. MCB SIZE IS 30A



CON2 PINOUT (28-16AWG WIRE)	
PIN NO.	SIGNAL NAME
1	LOAD FUSE ALARM -
2	LOAD FUSE ALARM +
3	BATT FUSE ALARM -
4	BATT FUSE ALARM +
5	LVD2 -
6	LVD2 +
7	LVD1 -
8	LVD1 +

CON6 PINOUT (28-16AWG WIRE)	
PIN NO.	SIGNAL NAME
1	LVD2 +
2	LVD2 -
3	BATT FUSE ALARM +
4	BATT FUSE ALARM -
5	LOAD FUSE ALARM +
6	LOAD FUSE ALARM -

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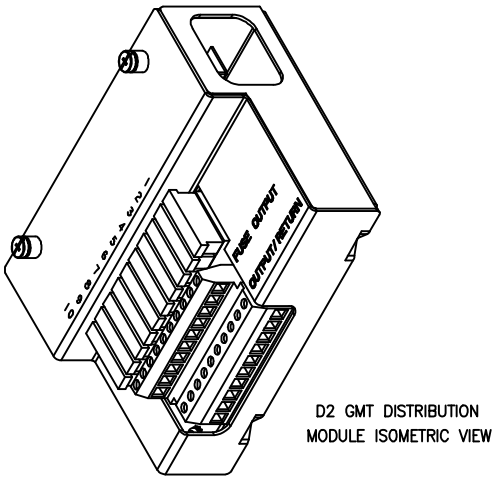
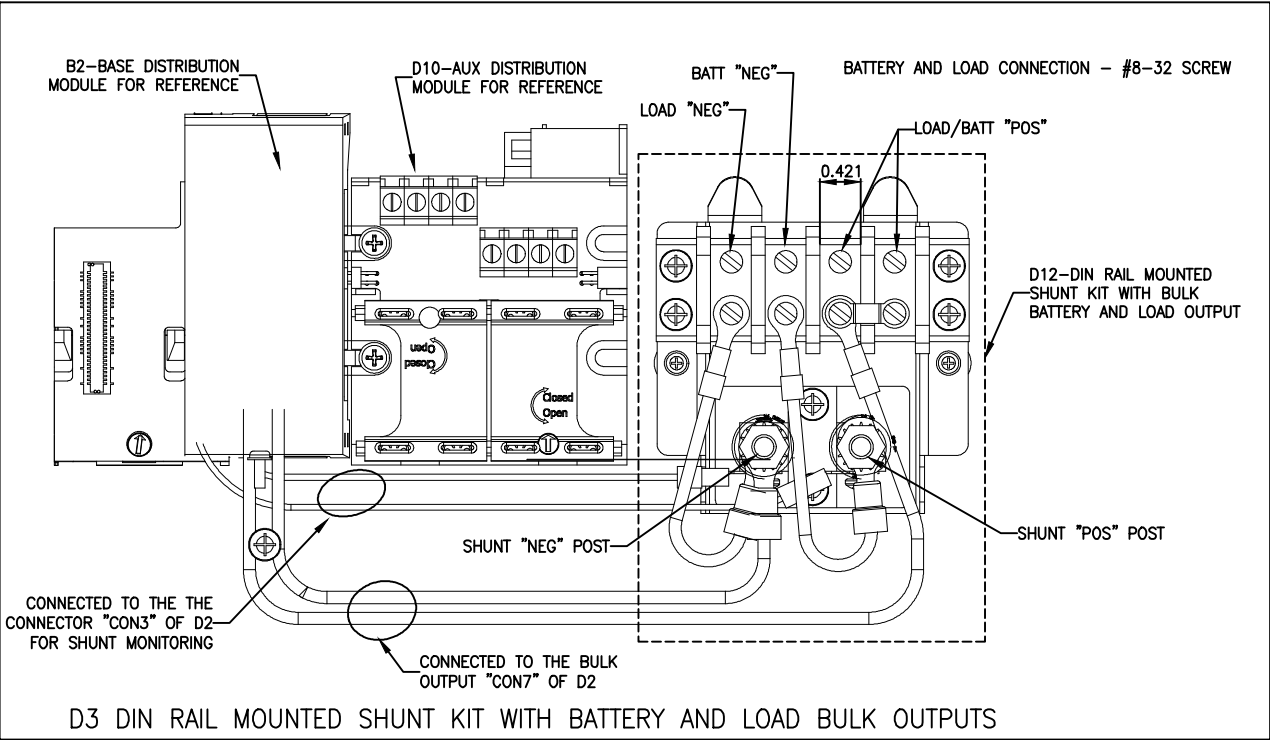
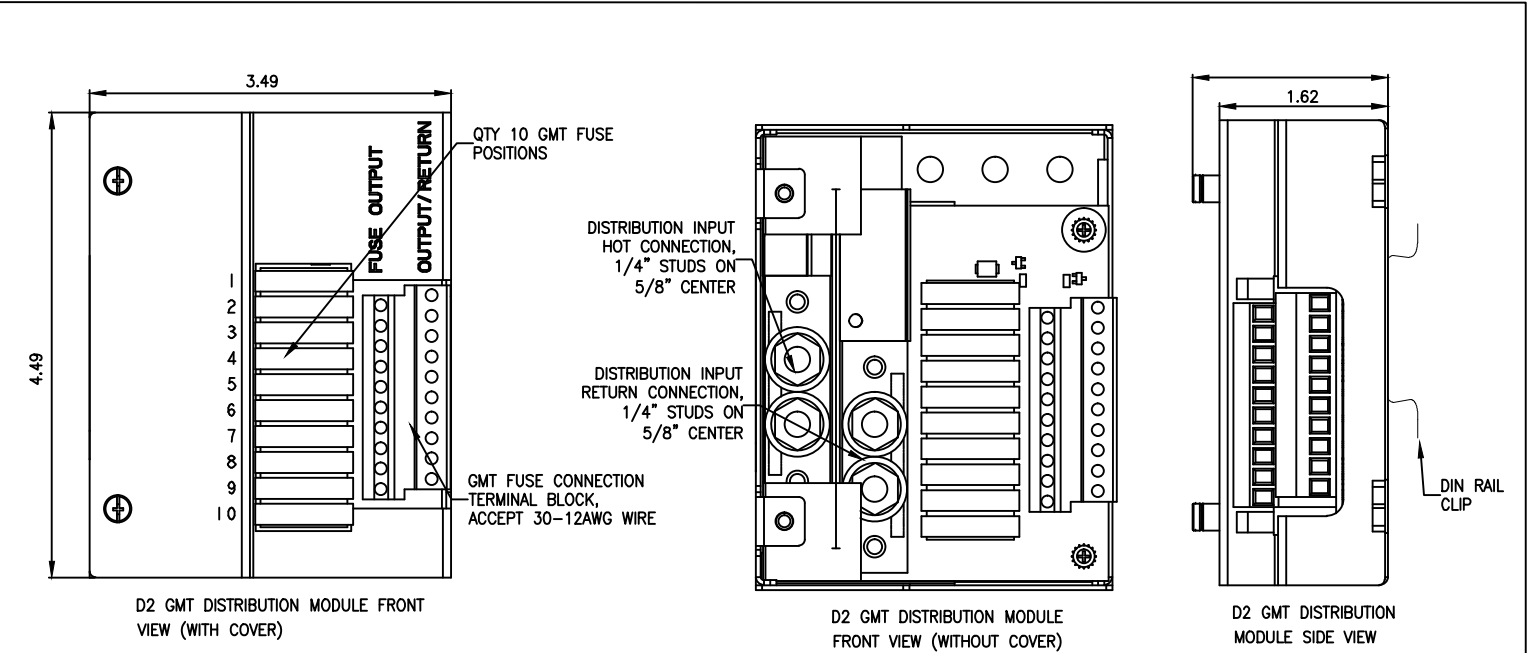
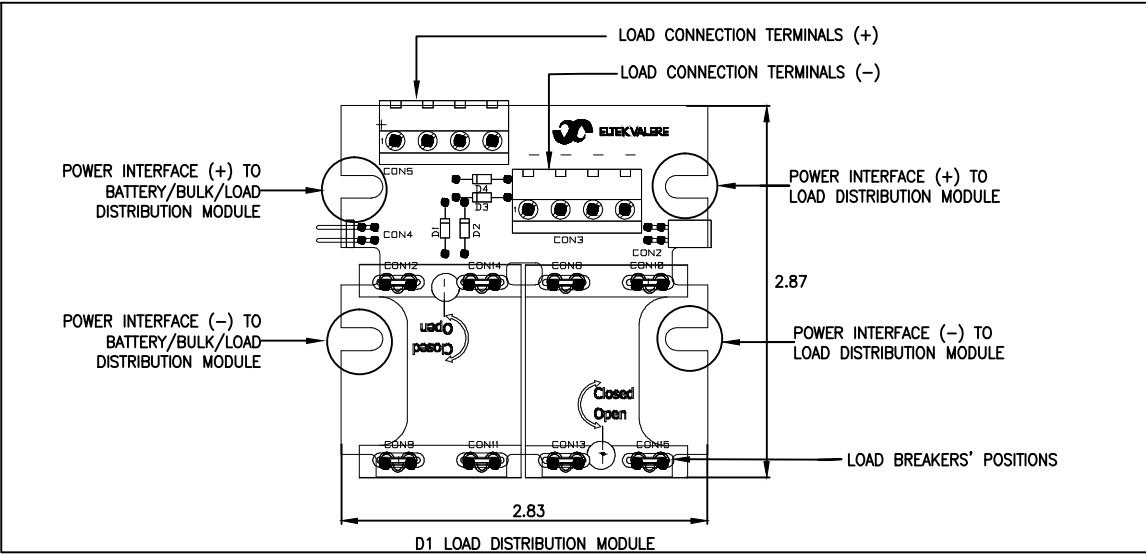
SECTION 3.1 AUX DISTRIBUTION MODULES

UPxx Rx Sx Bx Dx Dx Dx

- NOTE:
1. USING DIN RAIL "USABLE WIDTH" IN TABLE 1, "REQUIRED DIN RAIL SPACE" IN TABLE 2 AND 3A AND "WIDTH" IN TABLE 3B TO CALCULATE THE QTY OF D1, D2 AND/OR D3 IF NECESSARY
 2. IF NOT CONFIGURED, LEAVE IT BLANK

TABLE 3B AUX DISTRIBUTION MODULES SELECT IF NECESSARY

GROUP NUMBER	PART NUMBER	DESCRIPTION	OUTPUT VOTAGE (VDC)	CURRENT CAPACITY (A)	# OF BATT BULK OUTPUT AND CONNECTION	# OF LOAD BREAKER AND CONNECTION	# OF LOAD GMT AND CONNECTION	# OF LOAD BULK OUTPUT AND CONNECTION	COMPATIBLE BATT/BULK/AUX DIST. MODULE	WIDTH (IN)	DEPTH (IN)	VERT. SPACE (RU)	NOTE
D1	241120.920	LOAD DISTRIBUTION MODULE WITH COVER, NEG POLARITY, 40A MAX, - QTY 4 LOAD BREAKER POSITIONS, TERMINAL BLOCK CONNECTIONS, ACCEPT 26-10AWG WIRE	-48, -24, -12	40	N/A	QTY 4 TERMINAL BLOCK 26-10AWG	N/A	N/A	B1, B2, D2, D3	2.83	4	2	1. MAX. 3 LOAD DISTRIBUTION MODULES PER SYSTEM 2 MAX. MCB SIZE IS 15A
D2	302327	DIN RAIL MOUNTED GMT10X DISTRIBUTION - DIN RAIL MOUNTED BRACKET AND DIN RAIL CLIP - QTY 10 GMT FUSE POSITIONS, TERMINAL BLOCK CONNECTIONS, ACCEPT 30-12AWG WIRE - GMT FUSE ALARM CABLE	±12, ±24, ±48	100	N/A	N/A	QTY 10 TERMINAL BLOCK 30-12AWG	N/A	B2, B3, D1, D3	3.5	2	2.6	1. MAX. 1 IN SYSTEM 2. IF D2 AND D1 ARE USED TOGETHER AND D2 NEEDS TO BE CONNECTED TO D1, D2 WILL OCCUPY 1 BREAKER POSITION IN D1, AND THE MAX. CURRENT TO D2 IS 12A
D3	286125	DIN RAIL MOUNTED SHUNT KIT WITH BULK BATTERY AND LOAD OUTPUT, INCLUDING: - QTY 1 BATTERY BULK OUTPUT, #8-32 SCREW CONNECTION (MAX. 10AWG WIRE) - QTY 1 LOAD BULK OUTPUT, #8-32 SCREW CONNECTION (MAX. 10AWG WIRE) - SHUNT 50mV/50A - INTERNAL CONNECTION CABLES - DIN RAIL MOUNTED BRACKET AND HARDWARE	±12, ±24, ±48	50	QTY 1 #8-32 SCREW	N/A	N/A	QTY 1 #8-32 SCREW	B2, D1, D2	3.22	2	2	MAX. 1 IN SYSTEM



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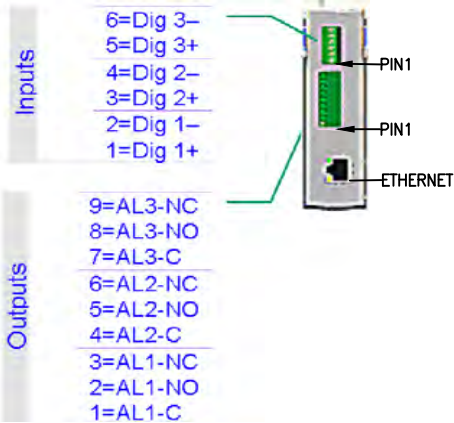
SECTION 4 CONTROLLER AND CONTROLLER ACCESSORIES

TABLE 4A COMPACT CONTROLLER WITH CONFIGURATION										
PART NUMBER	DESCRIPTION	# OF OUTPUT RELAY	# OF CONFIGURABLE INPUTS	AGENCY APPROVAL	WIDTH (IN)	DEPTH (IN)	HEIGHT (RU)	EST. WEIGHT (LBS)	APPLICABLE BASE DISTRIBUTION	NOTE
242100.400.00001	COMPACT -48V LVD STANDARD	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B1	
242100.400.00002	COMPACT -48V NO LVD (BULK) STANDARD	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B2	
242100.400.00003	COMPACT +24V LVD STANDARD	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B2, B4	
242100.400.00004	COMPACT +24V NO LVD (BULK) STANDARD	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B2	
242100.400.00005	COMPACT +12V LVBD STANDARD	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B3	
242100.400.00006	COMPACT +12V NO LVD (BULK) STANDARD	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B2	
242100.400.00007	COMPACT +24V LVD STANDARD, DHCP	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B4, B5	
242100.400.00008	COMPACT +24V LVD, STATIC IP-CHARLES	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B4, B5	
242100.400.00010	COMPACT +12V LVBD WITH LVBD DISABLED	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B3	
242100.400.00011	COMPACT +24V LVBD WITH LVBD DISABLED	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B4, B5	
242100.400.00012	COMPACT +12V NO LVD (BULK) FOR DC/DC SYSTEM	3	3	CE, UL, RoHS COMPLIANT	1.25	6.36	2	0.53	B2	

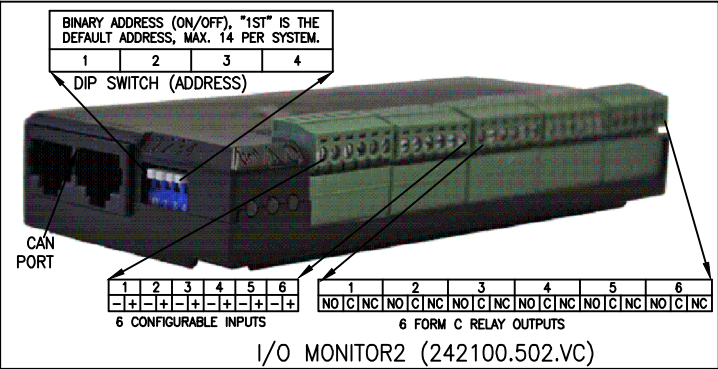
TABLE 4B CONTROLLER ACCESSORIES, SELECT IF NECESSARY										
PART NUMBER	DESCRIPTION	OUTPUT	INPUTS	AGENCY APPROVAL	WIDTH (IN)	DEPTH (IN)	HEIGHT (RU)	EST. WEIGHT (LBS)	APPLICABLE GROUP	NOTE
258160	BATTERY THERMAL PROBE, NO LUG, 10FT	N/A	N/A	N/A	N/A	N/A	N/A			
242100.303.VC	CAN POWER MODULE	DUAL RJ45 TERMINALS	20-75VDC (SCREW TERMINALS)	CE, UL RoHS COMPLIANT	5.23	4.25	1.59	0.8	48V, 24V VERSIONS	REQUIRES 1 DC CB (2A) POSITION FROM SYSTEM
230700	BATTERY MONITOR CAN BUS NODE, BATTERY SYMMETRY MEASUREMENT, BATTERY TEMPERATURE MEASUREMENT, BATTERY FUSE ALARM INPUT, BATTERY CURRENT INPUT INCLUDES: BATTERY MONITOR NODE, QTY 4 1.5M SYMMETRY CABLES, QTY 1 10M CAN BUS CABLE	N/A	4 x SYMMETRY VOLT, 1 x FUSE FAILURE DETECT, 1 x CURRENT SENSOR	CE, UL RoHS COMPLIANT	2.83	2.13	0.98	0.12	48V, 24V VERSIONS	REQUIRES POWER MODULE
242100.301.VC	LOAD MONITOR MODULE	N/A	8 x CONFIGURABLE (FUSE FAILURE) 8 x CURRENT SENSE	CE, UL RoHS COMPLIANT	6.12	2.78	1.22	0.4	48V, 24V VERSIONS	REQUIRES POWER MODULE
242100.502.VC	I/O MONITOR MODULE TYPE 2	6 x DRY/FORM C RELAY	6 CONFIGURABLE INPUTS	CE, UL RoHS COMPLIANT	6.1	3.4	1.2	0.4	48V, 24V VERSIONS	REQUIRES POWER MODULE
105681	CAN END TERMINATION PLUG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	



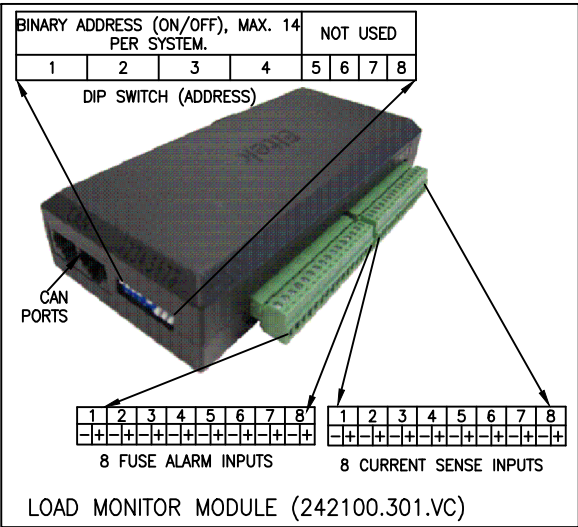
COMPACT CONTROLLER



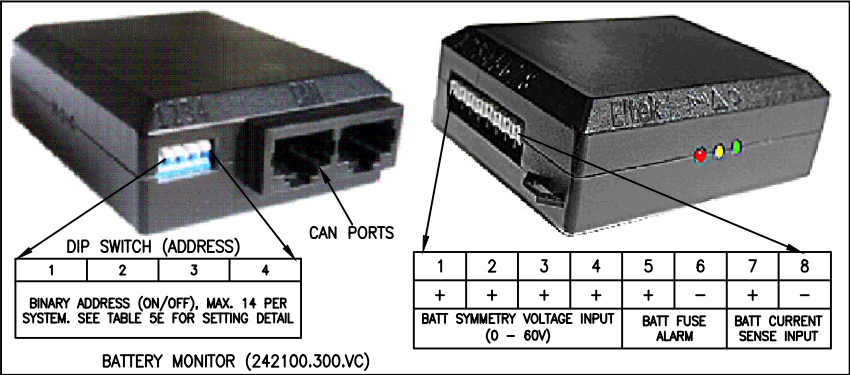
COMPACT ALARM TERMINAL DETAIL



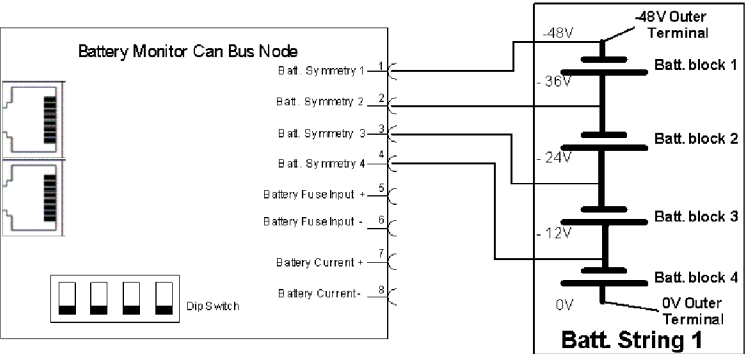
I/O MONITOR2 (242100.502.VC)



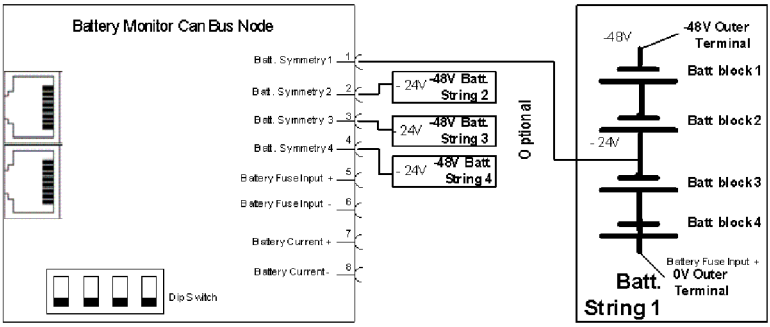
LOAD MONITOR MODULE (242100.301.VC)



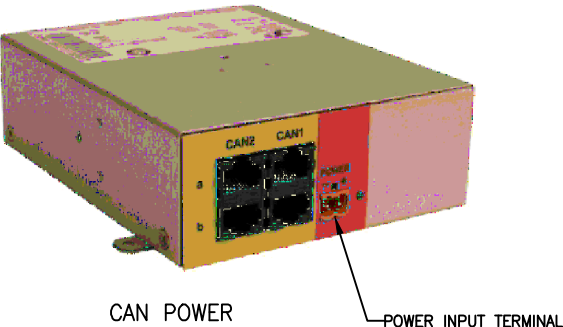
BATTERY MONITOR (242100.300.VC)



BLOCK SYMMETRY MEASUREMENT SCHEMATIC



MID-POINT SYMMETRY MEASUREMENT SCHEMATIC



CAN POWER

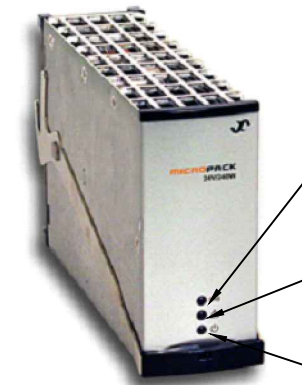
POWER INPUT TERMINAL

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		CONTROLLER AND ACCESSORIES
		DRAWING ISSUE DATE
		SECTION 4
		DRAWING NUMBER 2101861

SECTION 5 RECTIFIER AND CONVERTER

TABLE 5 RECTIFIER AND CONVERTER

PART NUMBER	DESCRIPTION	AC INPUT VOLTAGE (VAC)	DC INPUT VOLTAGE (VDC)	MAX. INPUT CURRENT (A)	OUTPUT VOLTAGE (VDC)	OUTPUT POWER @NOMINAL INPUT	OUTPUT POWER (W)/ OUTPUT CURRENT (A)	EFFICIENCY	AGENCY APPROVAL	WIDTH (IN)	DEPTH (IN)	HEIGHT (RU)	APPROXIMATE WEIGHT (LBS)	APPLICABLE GROUP	NOTE
241120.100	MICROPACK RECTIFIER 250W 48V, 85–300 VAC INPUT RANGE 220VAC INPUT 250W OUTPUT 110VAC INPUT 168W OUTPUT 93% EFFICIENCY CONVECTION COOLING OPERATING TEMPERATURE –40 TO +75°C, DERATING LINEAR ABOVE +55°C TO 140W WEIGHT 1.1LBS	85–300	N/A	1.9	48	250W/5.2A @220VAC 168W/3.5A @110VAC	250W/5.2A (185–300VAC) 140W–250W/2.9A–5.2A (85–185VAC)	>93%	CE, UL RoHS COMPLIANT	1.54	5.87	2	1.1	S1, S2, S3	
241120.200	MICROPACK RECTIFIER 240W 24V, 85–300 VAC INPUT RANGE 220VAC INPUT 240W OUTPUT 110VAC INPUT 135W OUTPUT 92% EFFICIENCY CONVECTION COOLING OPERATING TEMPERATURE –40 TO +60°C, DERATING LINEAR ABOVE +45°C TO 80W WEIGHT 1.1LBS	85–300	N/A	1.3	24	240W/10A @220VAC 135W/5.6A @110VAC	240W/10A (185–300VAC) 100W–240W/4.2A–10A (85–185VAC)	>92%	CE, UL RoHS COMPLIANT	1.54	5.87	2	1.1	S1, S2, S3	
241120.300	MICROPACK RECTIFIER 120W 12V, 85–300 VAC INPUT RANGE 220VAC INPUT 120W OUTPUT 110VAC INPUT 111W OUTPUT 88% EFFICIENCY CONVECTION COOLING OPERATING TEMPERATURE –40 TO +70°C, DERATING LINEAR ABOVE +55°C TO 50W WEIGHT 1.1LBS	85–300	N/A	2	12	120W/10A @220VAC 111W/9.3A @110VAC	120W/10A (185–300VAC) 100W–120W/8.3A–10A (85–185VAC)	>88%	CE, UL RoHS COMPLIANT	1.54	5.87	2	1.1	S1, S2, S3	
241120.400	MICROPACK DC/DC CONVERTER 12V/120W, 10.4–72 VDC INPUT RANGE VIN = 13.6VDC, 89.5% EFFICIENCY VIN = 27.2VDC, 90.9% EFFICIENCY VIN = 53.5VDC, 92% EFFICIENCY CONVECTION COOLING OPERATING TEMPERATURE –40 TO +70°C, DERATING LINEAR ABOVE +55°C TO 40W WEIGHT 1.1LBS	N/A	10.4–72	13.5	12	120W	11.5	VIN = 13.6VDC, 89.5% VIN = 27.2VDC, 90.9% VIN = 53.5VDC, 92%	CE, UL RoHS COMPLIANT	1.54	5.87	2	1	S10, S11	
251875	MICROPACK RECTIFIER OR CONVERTER DUMMY MODULE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.54	5.87	2	N/A	S1, S2, S3, S10, S11	



48V/24V/12V RECTIFIER

- RED LED – ALARM
- LOW MAINS SHUNT DOWN
 - HIGH TEMPERATURE SHUT DOWN
 - RECTIFIER FAILURE
 - OVERVOLTAGE SHUNT DOWN ON OUTPUT
 - LOW OUTPUT VOLTAGE ALARM
 - CAN BUS FAILURE
- YELLOW LED – WARNING
- RECTIFIER IN POWER DERATE MODE
 - REMOTE BATTERY CURRENT LIMIT ACTIVATED
 - INPUT VOLTAGE OUT OF RANGE, FLASHING AT OVERVOLTAGE
 - LOSS OF CAN COMMUNICATION WITH CONTROL, STAND ALONE MODE
- GREEN LED – POWER ON
- RECTIFIER RUNING
 - FLASHING WHEN OPERATOR READS RECTIFIER DATA THROUGH CONTROL UNIT



CONVERTER

- RED LED – ALARM
- LOW INPUT SHUNT DOWN
 - HIGH OR LOW TEMPERATURE SHUT DOWN
 - CONVERTER FAILURE
 - OVERVOLTAGE SHUNT DOWN ON OUTPUT
 - LOW OUTPUT VOLTAGE ALARM
 - CAN BUS FAILURE
- YELLOW LED – WARNING
- CONVERTER IN POWER DERATE MODE
 - REMOTE BATTERY CURRENT LIMIT ACTIVATED
 - INPUT VOLTAGE OUT OF RANGE, FLASHING AT OVERVOLTAGE
 - LOSS OF CAN COMMUNICATION WITH CONTROL, STAND ALONE MODE
- GREEN LED – POWER ON
- CONVERTER RUNING
 - FLASHING WHEN OPERATOR READS CONVERTER DATA THROUGH CONTROL UNIT

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		DRAWING ISSUE DATE
		SECTION 5
		DRAWING NUMBER 2101861

SECTION 6.0 ACCESSORIES BREAKERS AND AC LINE CORDS

TABLE 6A AC LINE CORDS				
PART NUMBER	DESCRIPTION	WIRE GAUGE	AC CURRENT	NOTE
LU1014-UU	AC LINE CORD, 10', 14AWG, UN-TERMINATED TO UN-TERMINATED (POWER SHELF)	14	20	
HBL5266CA	PLUG NEMA NON-LOCKING N5-15P ANGLE	14	15	
262669	PLUG NEMA LOCKING L14-20P	14	20	
260676	PLUG NEMA LOCKING L5-15P	14	15	
260801	PLUG NEMA NON-LOCKING N5-15P	14	15	
260802	PLUG NEMA LOCKING L5-20P	14	20	
260806	PLUG NEMA LOCKING L6-20P	14	20	
260809	PLUG NEMA NON-LOCKING N5-20P	14	20	
260812	PLUG NEMA NON-LOCKING N6-15P	14	15	
260813	PLUG NEMA NON-LOCKING N6-20P	14	20	

TABLE 6B MARINE FILTER UNIT				
PART NUMBER	DESCRIPTION	MAX. VOLTAGE (V _{rms})	MAX. CURRENT (A _{rms})	NOTE
241120.930	MICROPACK DIN RAIL MOUNTED MARINE FILTER UNIT. IT IS FOR USING ON THE INPUT OF RECTIFIER TO ACHIEVE MARINE EMC REQUIREMENT FOR UP TO 4 RECTIFIERS - INDIVIDUAL INPUTS, TWO WIRE + PE (3 x 1.5MM ² (MAX. 12AWG) TERMINAL BLOCKS; L, N, PE) - INDIVIDUAL OUTPUTS, TWO WIRE + PE (3 x 1.5MM ² (MAX. 12AWG) TERMINAL BLOCKS; L, N, PE)	300	8	

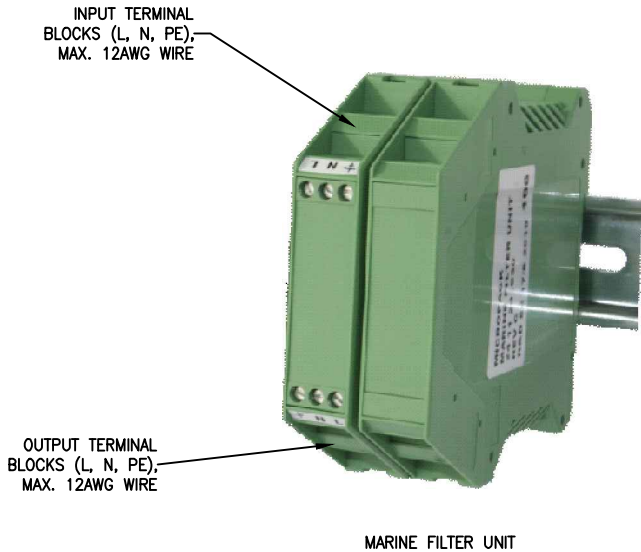
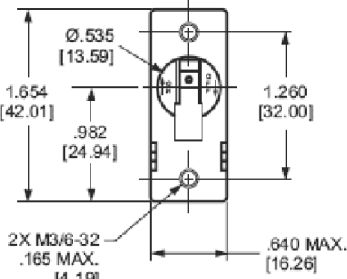
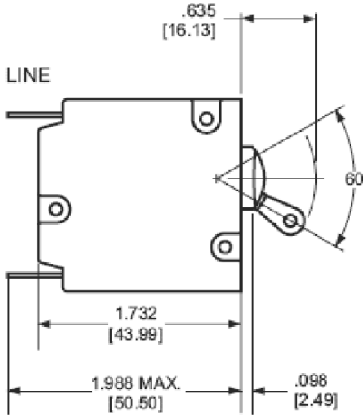


TABLE 6C CIRCUIT BREAKER LIST					
PART NUMBER	DESCRIPTION	RATING (A)	NUMBER OF POLES	COMPATIBLE DISTRIBUTION	NOTE
216525	CBMCB: 2A 1POLE IPA FO AIRPAX G1	2	1	B1, D1	
223371	CBMCB: 4A 1POLE IPA FO AIRPAX G1	4	1	B1, D1	
216527	CBMCB: 6A 1POLE IPA FO AIRPAX G1	6	1	B1, D1	
222291	CBMCB: 8A 1POLE IPA FO AIRPAX G1	8	1	B1, D1	
216528	CBMCB: 10A 1POLE IPA FO AIRPAX G1	10	1	B1, D1	
216529	CBMCB: 15A 1POLE IPA FO AIRPAX G1	15	1	B1, D1	
216530	CBMCB: 20A 1POLE IPA FO AIRPAX G1	20	1	B1	
216531	CBMCB: 25A 1POLE IPA FO AIRPAX G1	25	1	B1	
216532	CBMCB: 30A 1POLE IPA FO AIRPAX G1	30	1	B1	



BREAKER SIDE VIEW

BREAKER FRONT VIEW

TABLE 6D GMT FUSE LIST				
PART NUMBER	DESCRIPTION	RATING (A)	COMPATIBLE DISTRIBUTION	NOTE
GMT0018	GMT FUSE 60VDC/125VAC 0.18 A	0.18	D2	
1125230625	GMT FUSE 60VDC/125VAC 0.25A	0.25	D2	
233413	GMT FUSE 60VDC/125VAC 0.75A	0.75	D2	
1125230010	GMT FUSE 60VDC/125VAC 1A	1	D2	
1125230013	GMT FUSE 60VDC/125VAC 1.3A	1.3	D2	
GMT0200	GMT FUSE 60VDC/125VAC 2A	2	D2	
GMT0300	GMT FUSE 60VDC/125VAC 3A	3	D2	
1125230050	GMT FUSE 60VDC/125VAC 5A	5	D2	
GMT0700	GMT FUSE 60VDC/125VAC 7A	7	D2	
GMT0750	GMT FUSE 60VDC/125VAC 7.5A	7.5	D2	
GMT1000	GMT FUSE 60VDC/125VAC 10A	10	D2	
236857	GMT FUSE 60VDC/125VAC 12A	10	D2	
1125230115	GMT FUSE 60VDC/125VAC 15A	15	D2	

TABLE 6E DIN RAIL MOUNTING BREAKERS AND ALARM BOARD				
PART NUMBER	PART DESCRIPTION	RATING (A)	NUMBER OF POLES	NOTE
310142	CB: NDB2T-63 C1/1 NADER UL489	1	1	
310143	CB: NDB2T-63 C2/1 NADER UL489	2	1	
310144	CB: NDB2T-63 C4/1 NADER UL489	4	1	
310145	CB: NDB2T-63 C6/1 NADER UL489	6	1	
310146	CB: NDB2T-63 C10/1 NADER UL489	10	1	
310147	CB: NDB2T-63 C16/1 NADER UL489	16	1	
310148	CB: NDB2T-63 C20/1 NADER UL489	20	1	
310149	CB: NDB2T-63 C25/1 NADER UL489	25	1	
310150	CB: NDB2T-63 C32/1 NADER UL489	32	1	
310151	CB: NDB2T-63 C20/2 NADER UL489	20	2	
317214	CB: NDB2T-63 C32/2 NADER UL489	32	2	
506580	DIODE MATRIX BOARD FOR POSTIVE DISTRIBUTION LOAD BREAKER ALARM, 4 INPUT POSITIONS,			

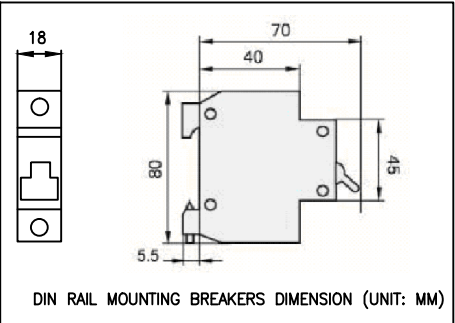
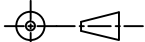
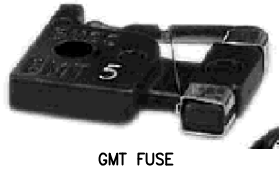


TABLE 6F DIN RAIL MOUNTING TERMINAL BLOCK		
PART NUMBER	PART DESCRIPTION	NOTE
268904	TERMINAL BLOCK, 1P, 41A, DIN RAIL, GRAY, MAX. 10AWG	
289880	TERMINAL BLOCK, 1P, 41A, DIN, BLUE, MAX. 10AWG	
268906	TERMINAL BLOCK PARTITION, DIN RAIL	
BK130001141	END STOP, DIN RAIL G1	



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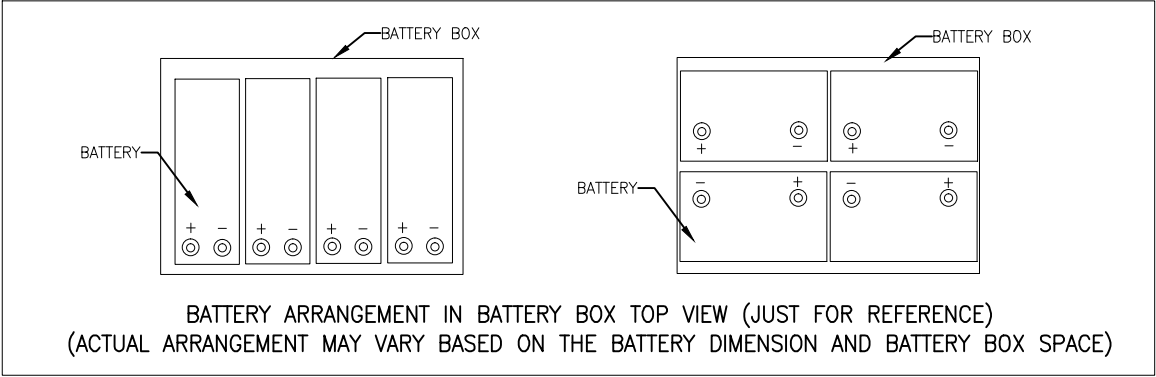
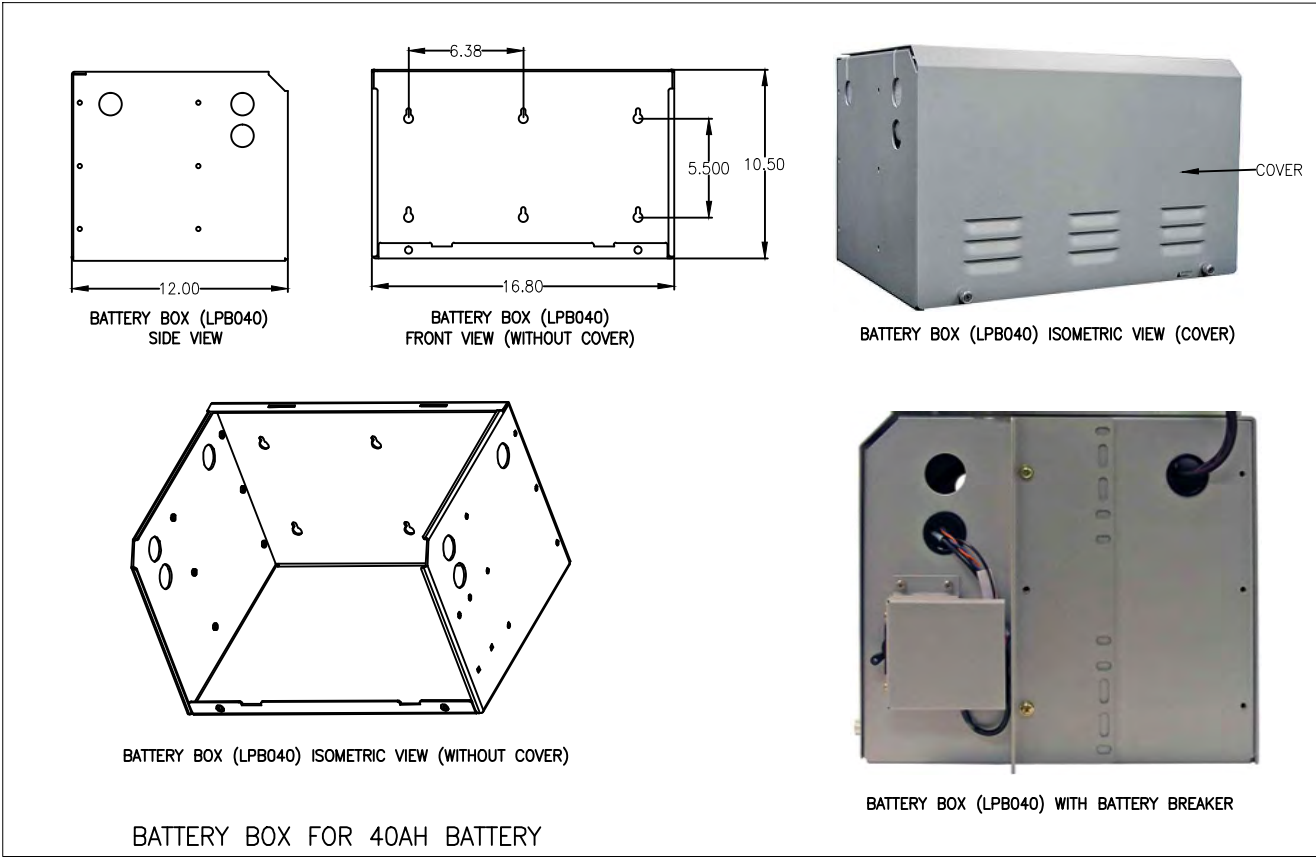
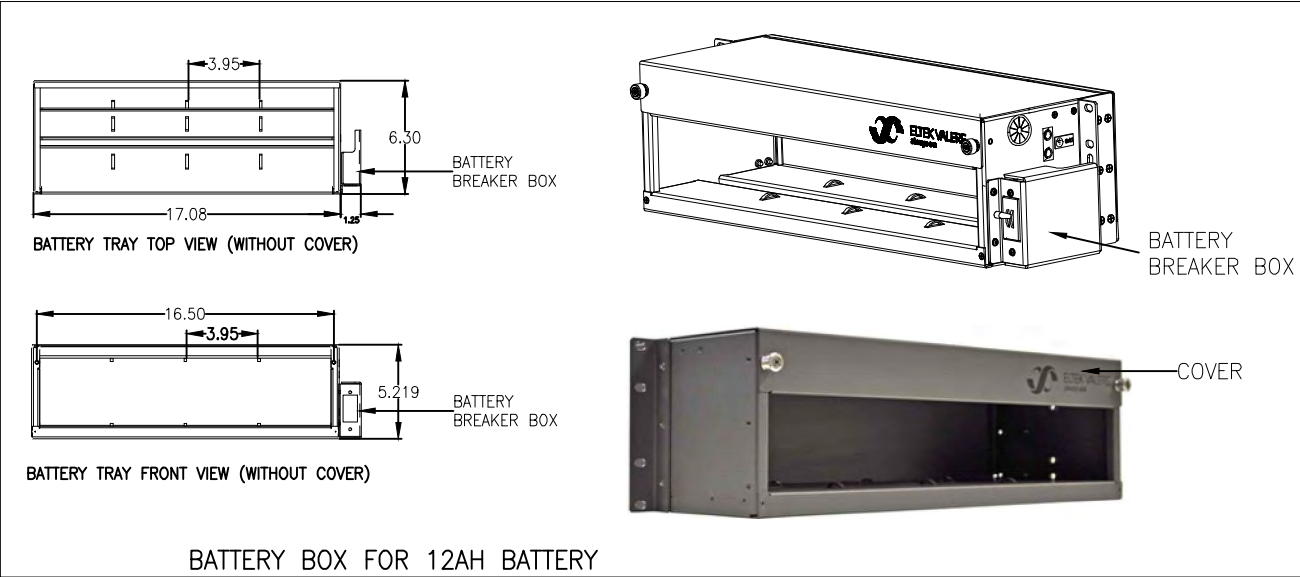
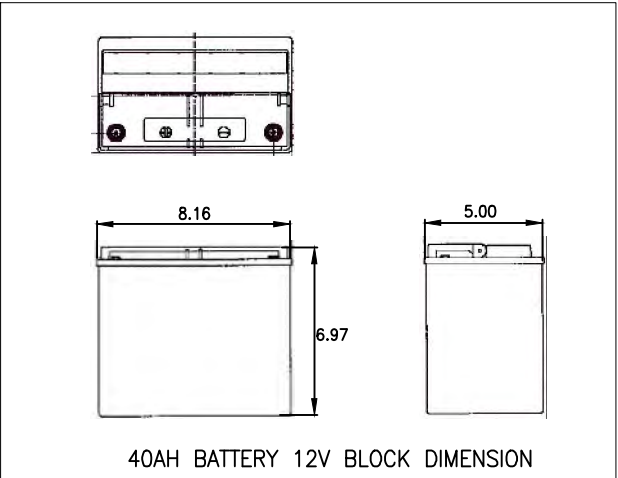
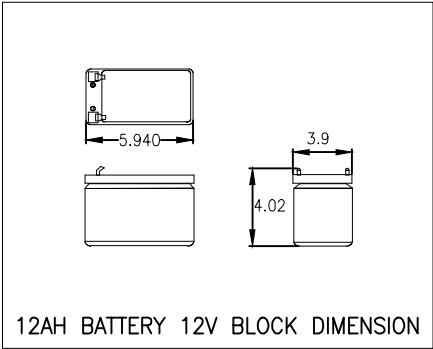
SECTION 6.1 ACCESSORIES – BATTERY BOX

TABLE 6F MICROSHELF BATTERY BOX FOR 12AH BATTERY							
PART NUMBER	DESCRIPTION	WIDTH (IN)	BATTERY USABLE SPACEBATTERY (WxDxH)	VERT. SPACE (RU)	BATT WIRE SIZE/RATING/LENGTH	BREAKER ON BATT TRAY (A)	NOTE
281577	ONE 19" BATTERY BOX, 3RU, FOR LVBD MODULE, W/BATTERY CABLES	19	17.08" x 6.3" x 5.22"	3	10AWG/30A/3'	N/A	
278791	ONE 19" BATTERY BOX, 3RU, 15A BATTERY BREAKER KIT, FOR BULK MODULE, W/BATTERY & ALARM CABLES	19	17.08" x 6.3" x 5.22"	3	10AWG/30A/3'	15	
503500	KIT, 19–23" EXTENDER BRACKET 3U	23		3	NA	NA	

TABLE 6G BATTERY BOX FOR 40AH BATTERY							
PART NUMBER	DESCRIPTION	WIDTH (IN)	BATTERY USABLE SPACEBATTERY (WxDxH)	VERT. SPACE (RU)	BATT WIRE SIZE/RATING/LENGTH	BREAKER ON BATT TRAY (A)	NOTE
304217	LPB040 BATTERY BOX KIT, FOR LVBD MODULE, INCLUDING: – LPB040 BATTERY BOX – BATTERY CABLE (306540), BATTERY INTERCELL CABLE KIT	19 OR 23	16.8" x 12" x 10.5"	6	10AWG/30A/3'	N/A	
304218	LPB040 BATTERY BOX KIT, FOR BULK MODULE, INCLUDING: – LPB040 BATTERY BOX – 15A BATTERY BREAKER – BATTERY CABLE (310938), BATTERY INTERCELL CABLE KIT	19 OR 23	16.8" x 12" x 10.5"	6	10AWG/30A/3'	15	

NOTE: MICROSHELF BATTERY BOX CAN BE MOUNTED ON RELAY RACK OR WALL

TABLE 6H BATTERY								
PART NUMBER	DESCRIPTION	VOLTAGE (V)	CAPACITY (AH)	12V BLOCK DIMENSION			EST. WEIGHT (LBS)	NOTE
				LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
251631	12V BATTERY 12AH	12	12	5.94	3.9	4.02	9	
12AVR-40	12V BATTERY 40AH	12	40	8.16	5	6.97	26	



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		SECTION 6.1
		DRAWING NUMBER 2101861

SECTION 7.0 AVAILABLE MICROSHELF PART NUMBERS

TABLE 7A AVAILABLE MICROSHELF PART NUMBERS										
PART NUMBER	DESCRIPTION	OUTPUT VOLTAGE (V)	PANEL/SHELF GROUP	POWER CORE GROUP	BASE DISTRIBUTION GROUP	AUX DISTRIBUTION GROUP			AGENCY APPROVAL	NOTE
270782	UP48N R6 S3 D1 D10, INCLUDING: - R6: MICROPACK SHELF - S3: 4-POSITION RECTIFIER BACKPLANE - D1: BASE DISTRIBUTION, QTY 2 BATTERY BREAKER POSITIONS, LVBD - D10: AUX DISTRIBUTION, QTY 4 LOAD BREAKER POSITIONS	-48	R6	S3	D1	D10	-	-	UL, NEBS	
275749	UPxN R6 S3 D2 D10 ("x" CAN BE 12, 24 OR 48), INCLUDING: - R6: MICROPACK SHELF - S3: 4-POSITION RECTIFIER BACKPLANE - D2: BASE DISTRIBUTION, QTY 2 BULK OUTPUTS - D10: AUX DISTRIBUTION, QTY 4 LOAD BREAKER POSITIONS	-48, -24 OR -12	R6	S3	D2	D10	-	-	UL, NEBS	
275747	UP48N R6 S2 D1 D10, INCLUDING: - R6: MICROPACK SHELF - S2: 2-POSITION RECTIFIER BACKPLANE - D1: BASE DISTRIBUTION, QTY 2 BATTERY BREAKER POSITIONS, LVBD - D10: AUX DISTRIBUTION, QTY 4 LOAD BREAKER POSITIONS	-48	R6	S2	D1	D10	-	-	UL, NEBS	
275748	UPxN R6 S2 D2 D10 ("x" CAN BE 12, 24 OR 48), INCLUDING: - R6: MICROPACK SHELF - S2: 2-POSITION RECTIFIER BACKPLANE - D2: BASE DISTRIBUTION, QTY 2 BULK OUTPUTS - D10: AUX DISTRIBUTION, QTY 4 LOAD BREAKER POSITIONS	-48, -24 OR -12	R6	S2	D2	D10	-	-	UL, NEBS	
283145	UPxN R6 S3 D2 D10 D10, INCLUDING: - R6: MICROPACK SHELF - S3: 4-POSITION RECTIFIER BACKPLANE - D2: BASE DISTRIBUTION, QTY 2 BULK OUTPUTS - D10 D10: QTY 2 AUX DIST. MODULES, QTY 8 LOAD BREAKER POSITIONS	-48, -24 OR -12	R6	S3	D2	D10	D10	-	UL, NEBS	
283146	UPxN R6 S2 D2 D10 D10 ("x" CAN BE 12, 24 OR 48), INCLUDING: - R6: MICROPACK SHELF - S2: 2-POSITION RECTIFIER BACKPLANE - D2: BASE DISTRIBUTION, QTY 2 BULK OUTPUTS - D10 D10: QTY 2 AUX DIST. MODULES, QTY 8 LOAD BREAKER POSITIONS	-48, -24 OR -12	R6	S2	D2	D10	D10	-	UL, NEBS	
283147	UPxx R6 S3 D2, INCLUDING: - R6: MICROPACK SHELF - S3: 4-POSITION RECTIFIER BACKPLANE - D2: BASE DISTRIBUTION, QTY 2 BULK OUTPUTS	±48, ±24 OR ±12	R6	S3	D2	-	-	-	UL, NEBS	
283148	UPxx R6 S2 D2, INCLUDING: - R6: MICROPACK SHELF - S2: 2-POSITION RECTIFIER BACKPLANE - D2: BASE DISTRIBUTION, QTY 2 BULK OUTPUTS	±48, ±24 OR ±12	R6	S2	D2	-	-	-	UL, NEBS	

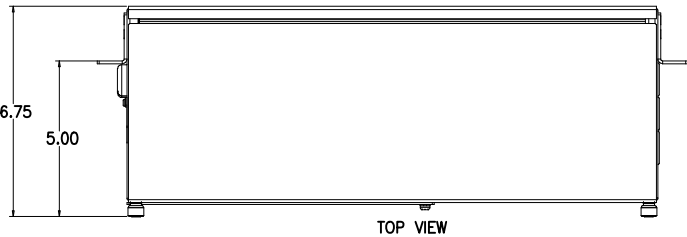
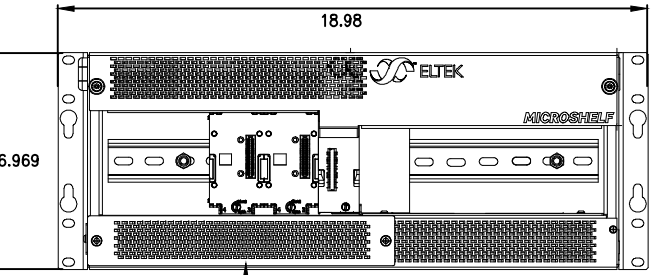
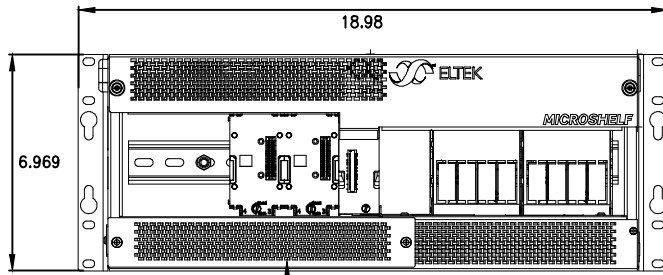
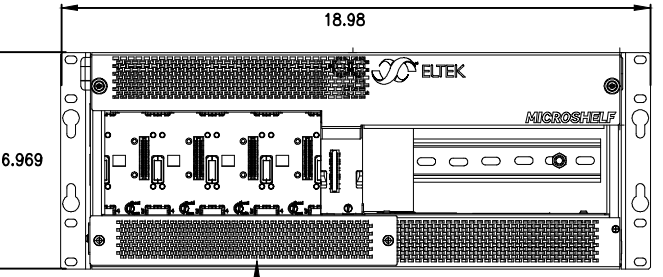
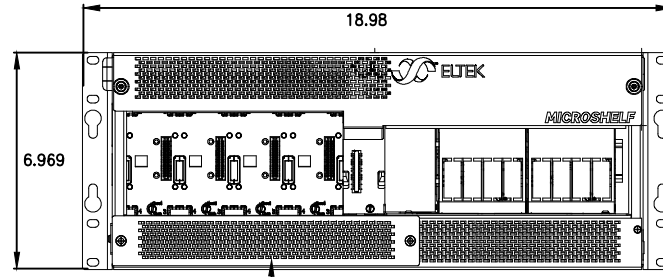
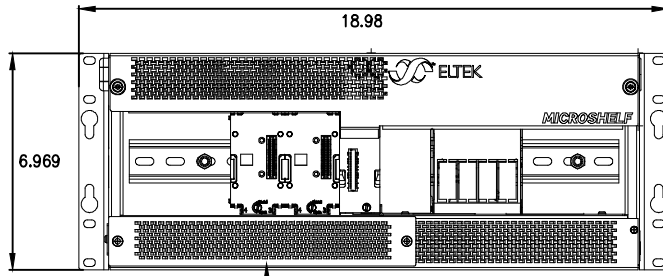
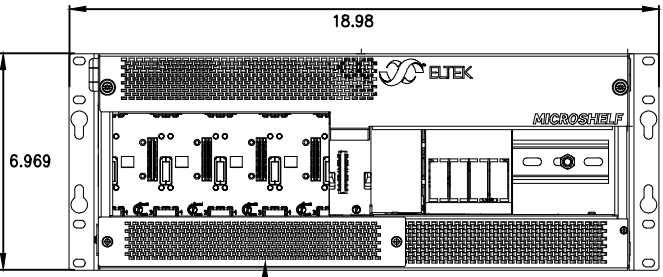
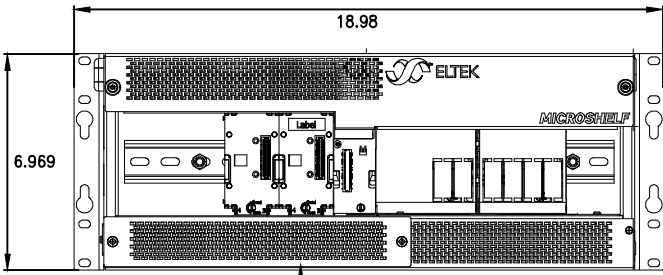
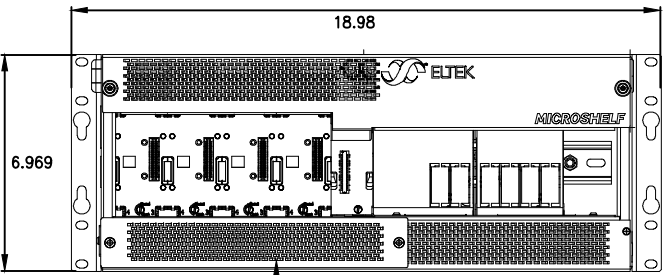
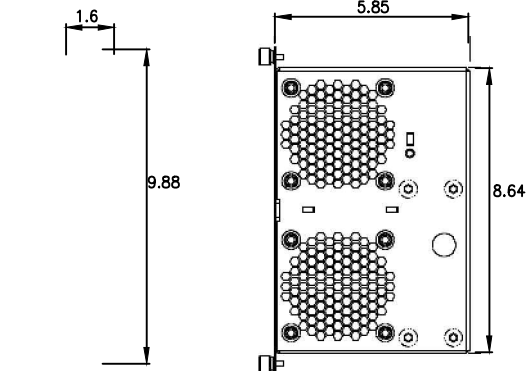


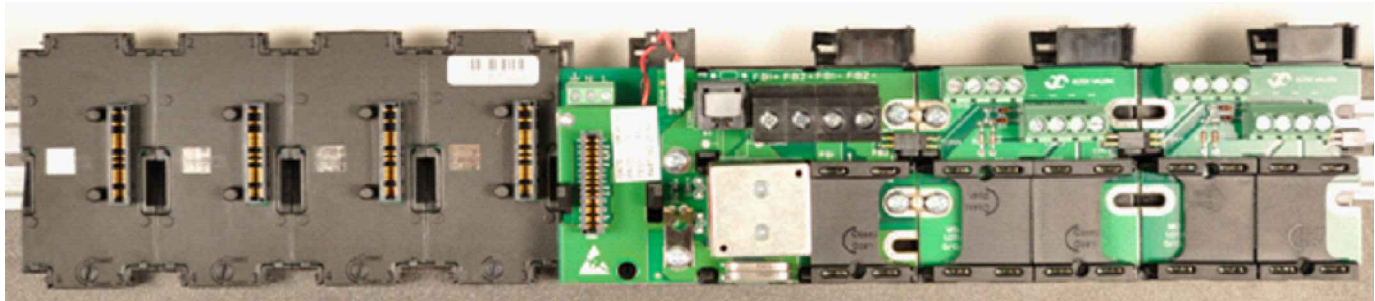
TABLE 7B MICROSHELF ACCESSORIES		
PART NUMBER	DESCRIPTION	NOTE
266494	KIT EXTENDERS 19 TO 23 4U KONE GRAY	
275410	FAN TRAY, 115VAC INPUT	1. FOR OUTDOOR APPLICATION
275411	FAN TRAY, 230VAC INPUT	1. FOR OUTDOOR APPLICATION
LI1014-UU	LINE CORD WITH IEC CONNECTOR, 10', 14 AWG, UN-TERMINATED AC END (FAN TRAY AS CONNECTION)	



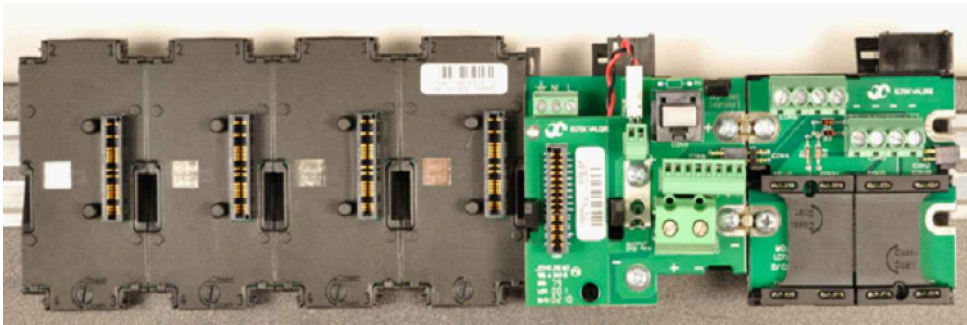
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		MICROPACK PRODUCT GUIDE
		MICROSHELF PRECONFIGURATIONS
		DRAWING ISSUE DATE
		SECTION 7.0
		DRAWING NUMBER 2101861

SECTION 7.1 EXAMPLE MICROPACK PANEL MOUNT CONFIGURATIONS



EXAMPLE 1: 4-POSITION BACKPLANE WITH BATTERY DISTRIBUTION
MODULE AND 2 LOAD MODULES (SHOWN WITHOUT COVERS)



EXAMPLE 4: 4-POSITION BACKPLANE WITH BULK DISTRIBUTION
MODULE AND 1 LOAD MODULE (SHOWN WITHOUT COVERS)



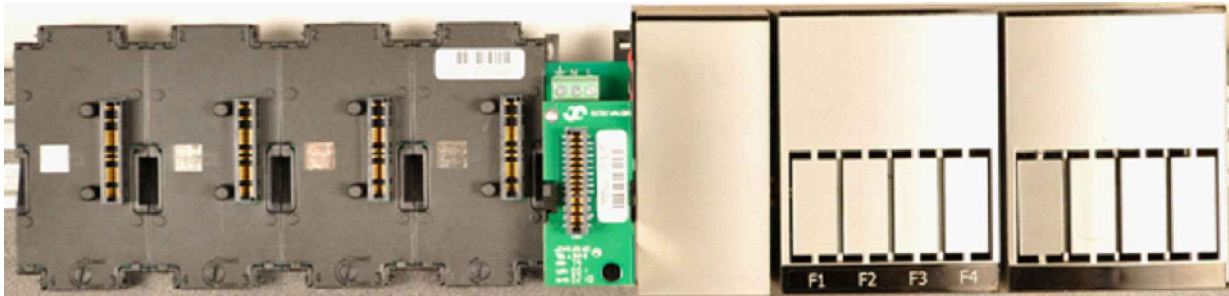
EXAMPLE 2: 4-POSITION BACKPLANE WITH BATTERY DISTRIBUTION
MODULE AND 1 LOAD MODULE (SHOWN WITHOUT COVERS)



EXAMPLE 3: 4-POSITION BACKPLANE WITH BULK DISTRIBUTION
MODULE AND 2 LOAD MODULES (SHOWN WITHOUT COVERS)



EXAMPLE 2: 4-POSITION BACKPLANE WITH BATTERY DISTRIBUTION
MODULE AND 1 LOAD MODULE (SHOWN WITH COVERS)



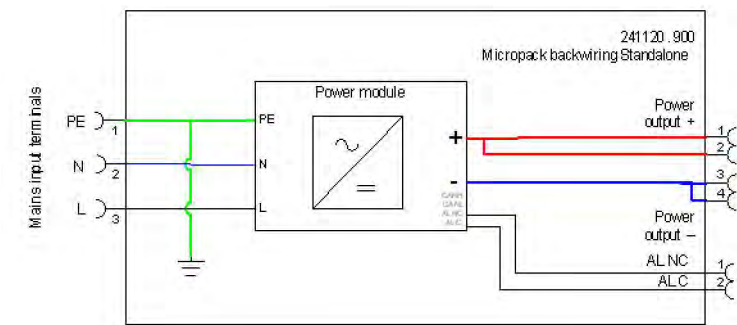
EXAMPLE 3: 4-POSITION BACKPLANE WITH BULK DISTRIBUTION
MODULE AND 2 LOAD MODULES (SHOWN WITH COVERS)

NOTE: THE ABOVE CONFIGURATIONS ARE SOME EXAMPLES OF 4-POSITION BACKPLANE.
CUSTOMER CAN CONFIGURE THEM WITH 2-POSITION BACKPLANE OR UP TO 3 LOAD MODULES IF NECESSARY

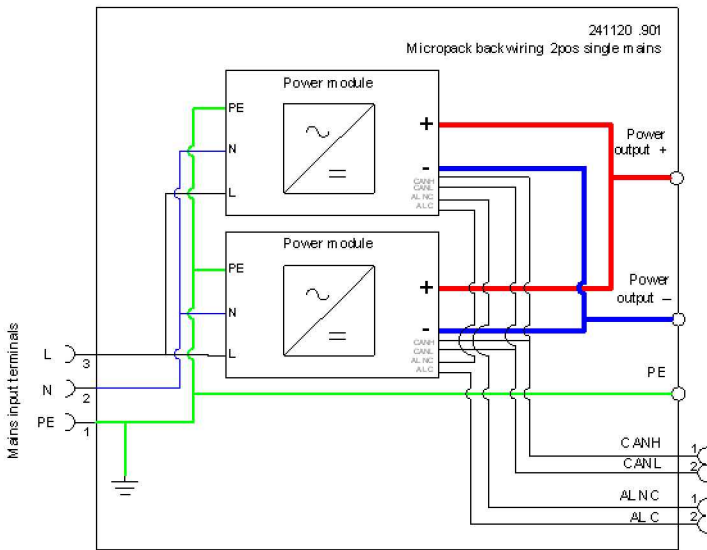
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		MICROPACK CONFIGURATIONS
		DRAWING ISSUE DATE
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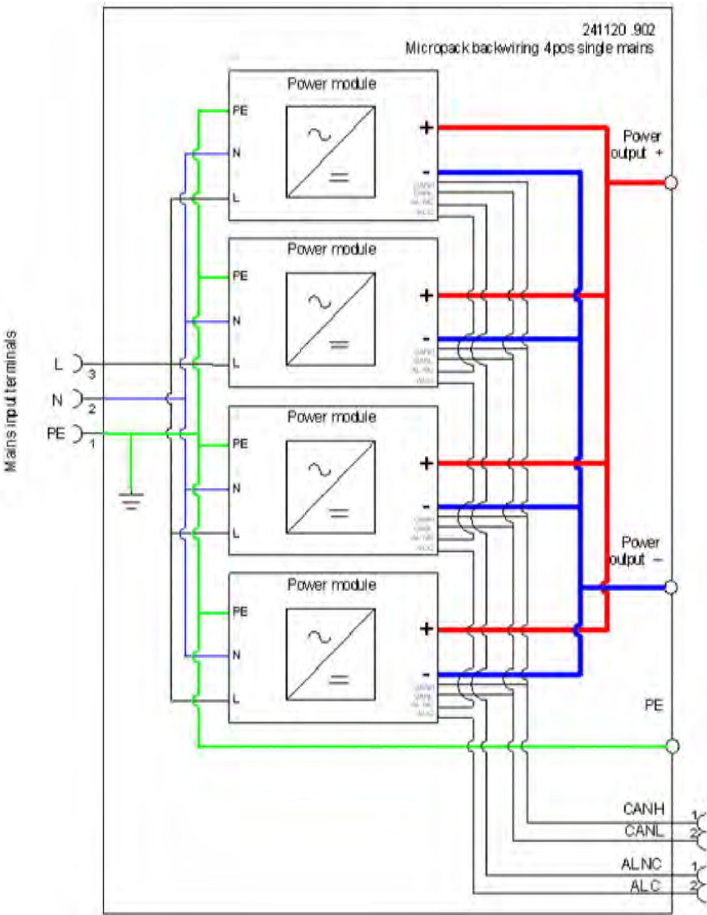
SECTION 8.0 RECTIFIER AND CONVERTER BACKPLANE SCHEMATIC



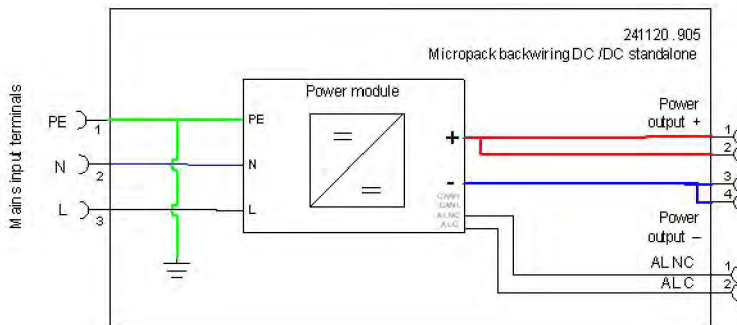
S1 241120.900
RECTIFIER STANDALONE BACKPLANE SCHEMATIC



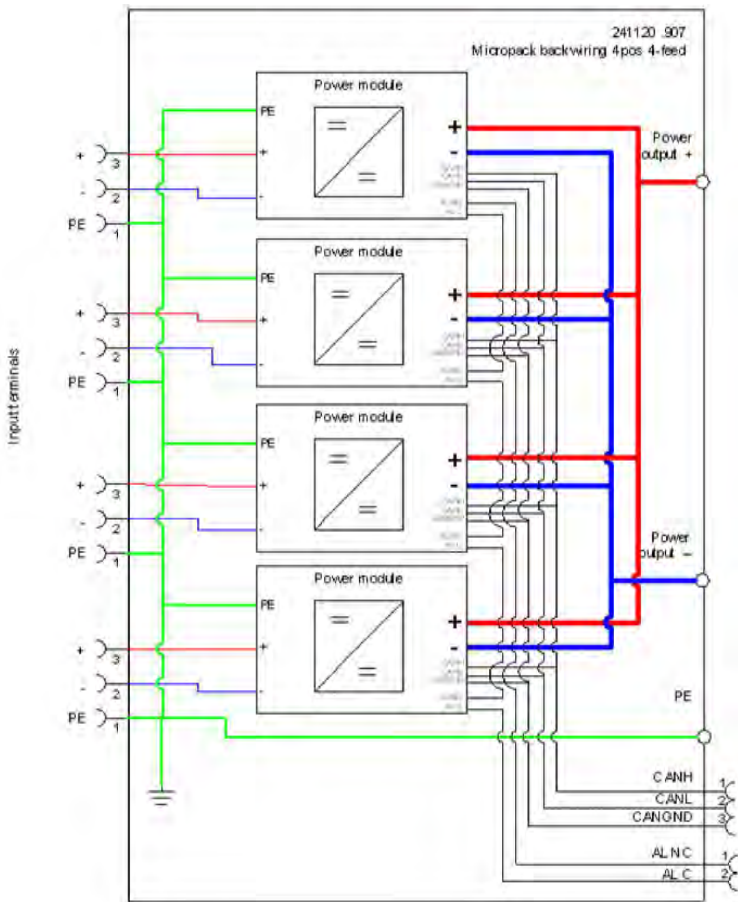
S2 241120.901
RECTIFIER STANDALONE BACKPLANE SCHEMATIC



S3 241120.902
RECTIFIER STANDALONE BACKPLANE SCHEMATIC



S10 241120.905
DC/DC CONVERTER STANDALONE BACKPLANE SCHEMATIC

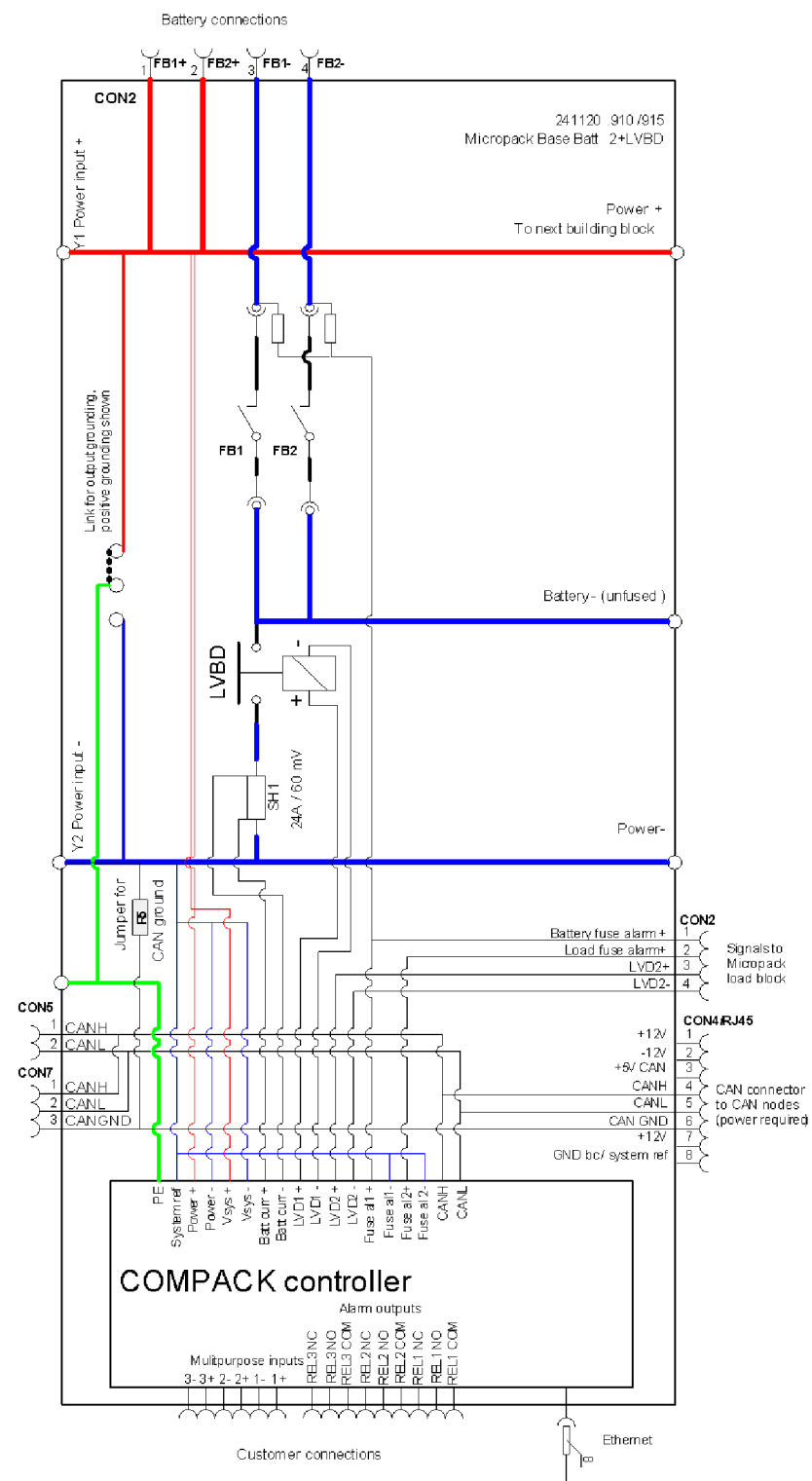


S11 241120.907
DC/DC CONVERTER STANDALONE BACKPLANE SCHEMATIC

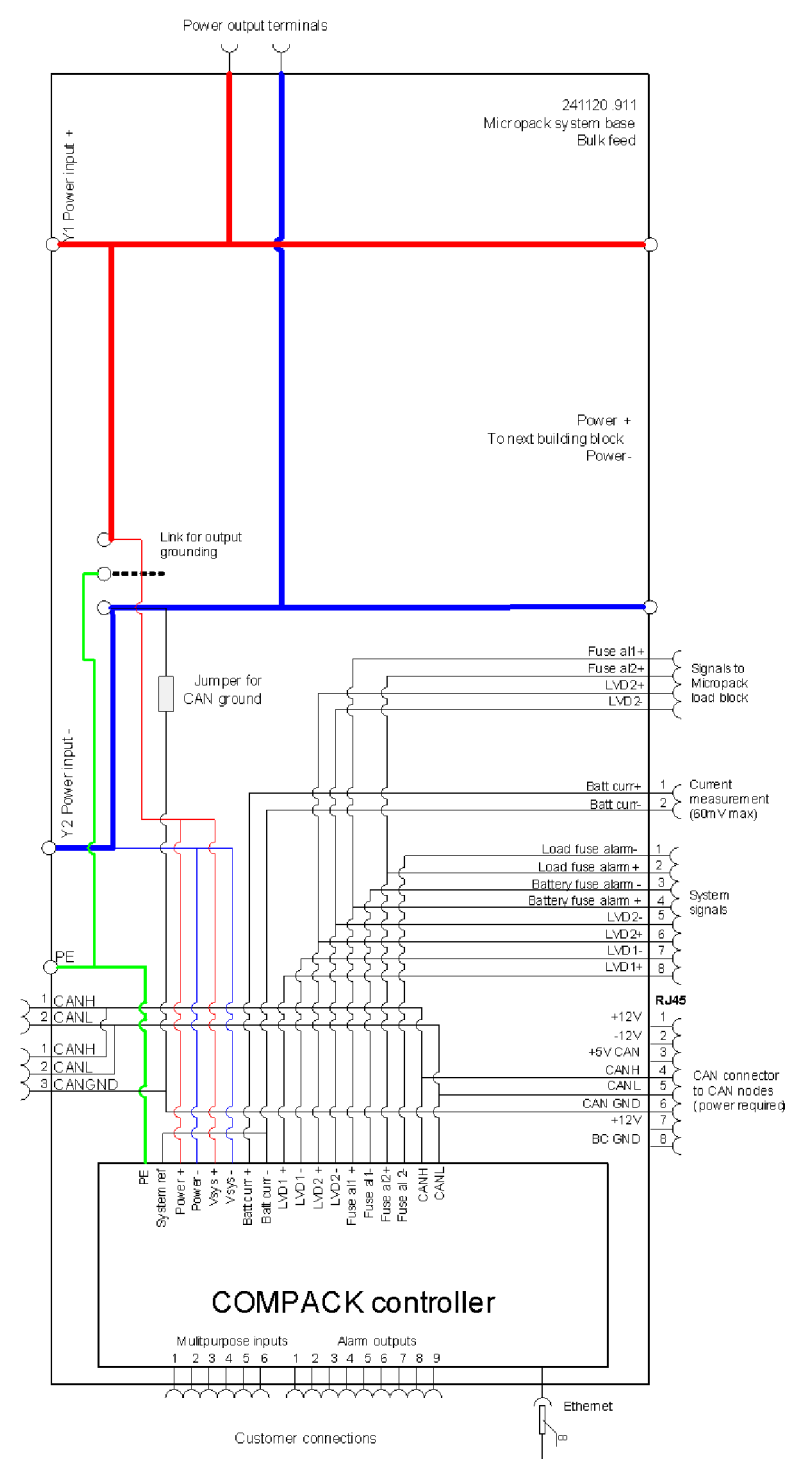
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		ASSEMBLY DRAWING
		MICROPACK PRODUCT GUIDE
		SCHEMATIC DRAWING
		DRAWING ISSUE DATE
		SECTION 8.0
		DRAWING NUMBER 2101861

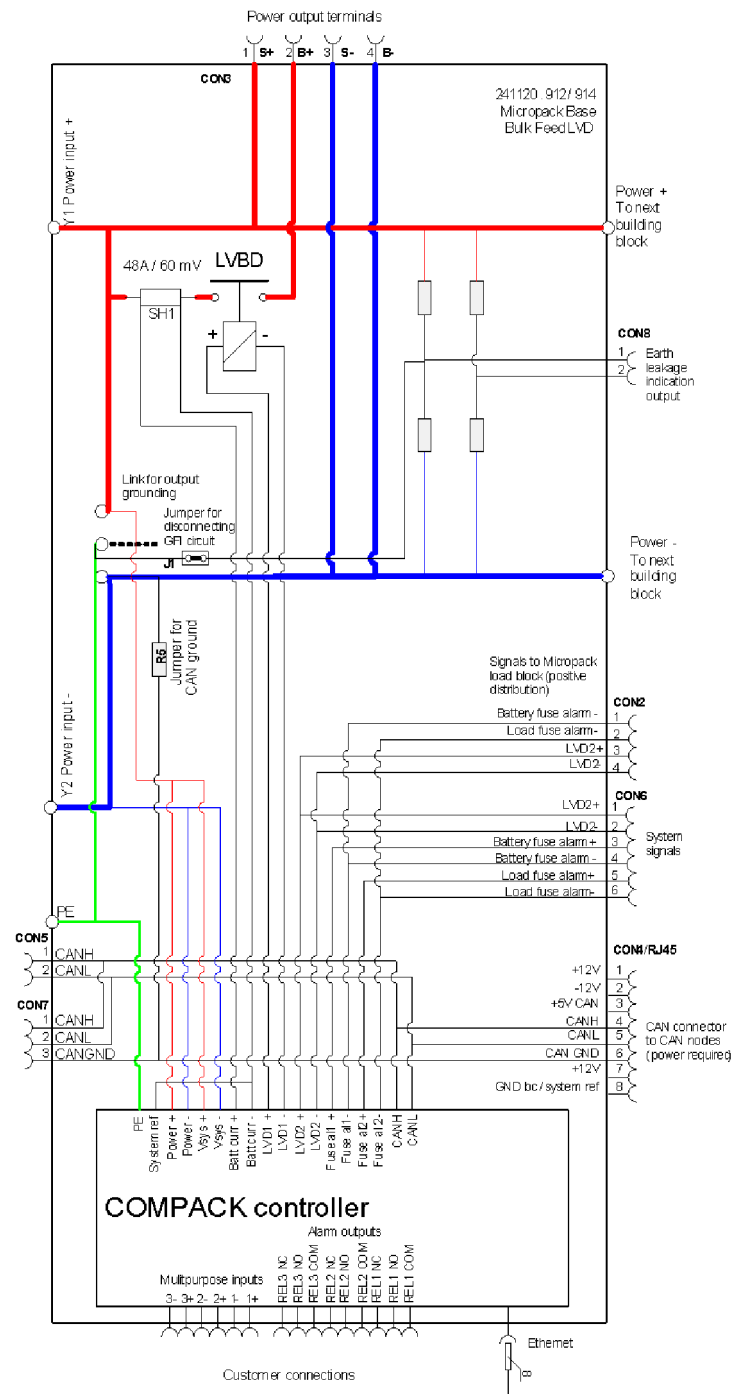
SECTION 8.1 BATTERY/BULK DISTRIBUTION MODULE SCHEMATIC



B1 241120.910 OR B5 241120.915
BASE DIST. BATT 2 + LVBD SCHEMATIC



B2 241120.911
BASE DIST. BULK FEED SCHEMATIC

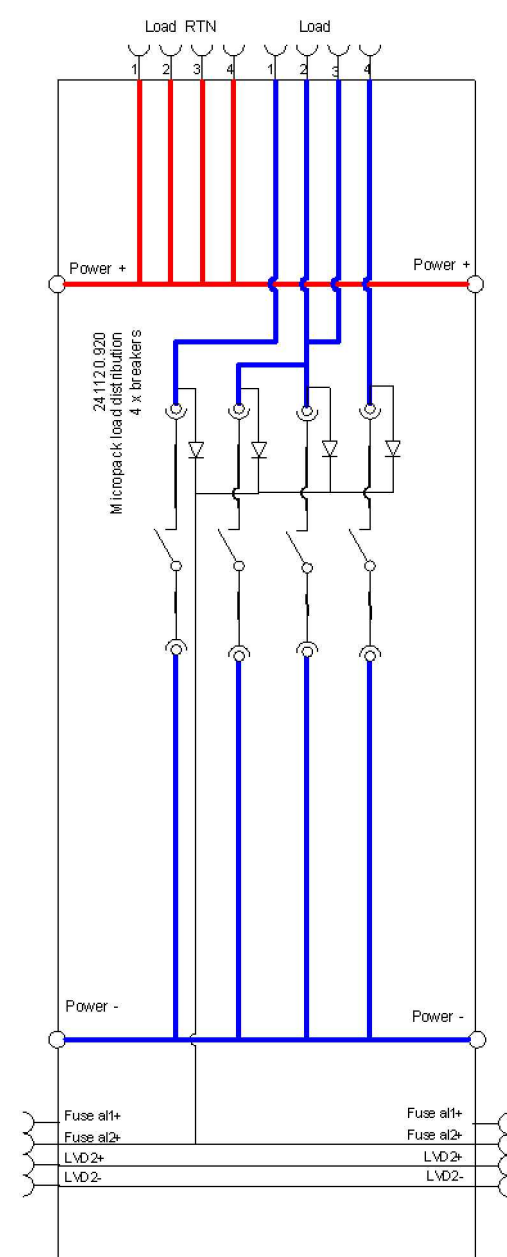


B3 241120.912 OR B4 241120.914
BASE DIST. BULK FEED + LVBD SCHEMATIC

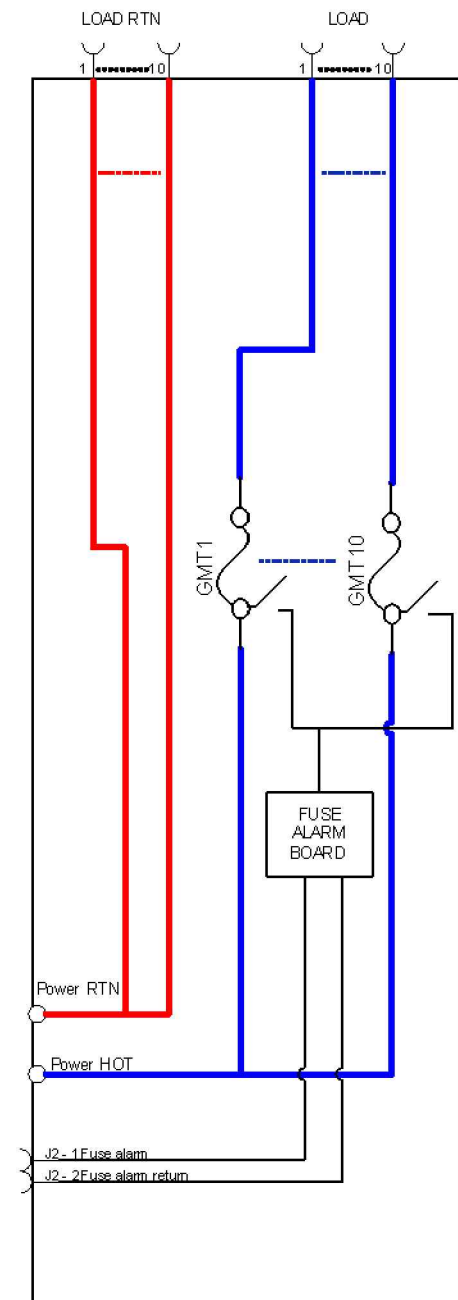
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APPROVED	IFS	CAD AUTOCAD
		ASSEMBLY DRAWING
		MICROPACK PRODUCT GUIDE
		SCHEMATIC DRAWING
		DRAWING ISSUE DATE
		SECTION 8.1
		DRAWING NUMBER 2101861

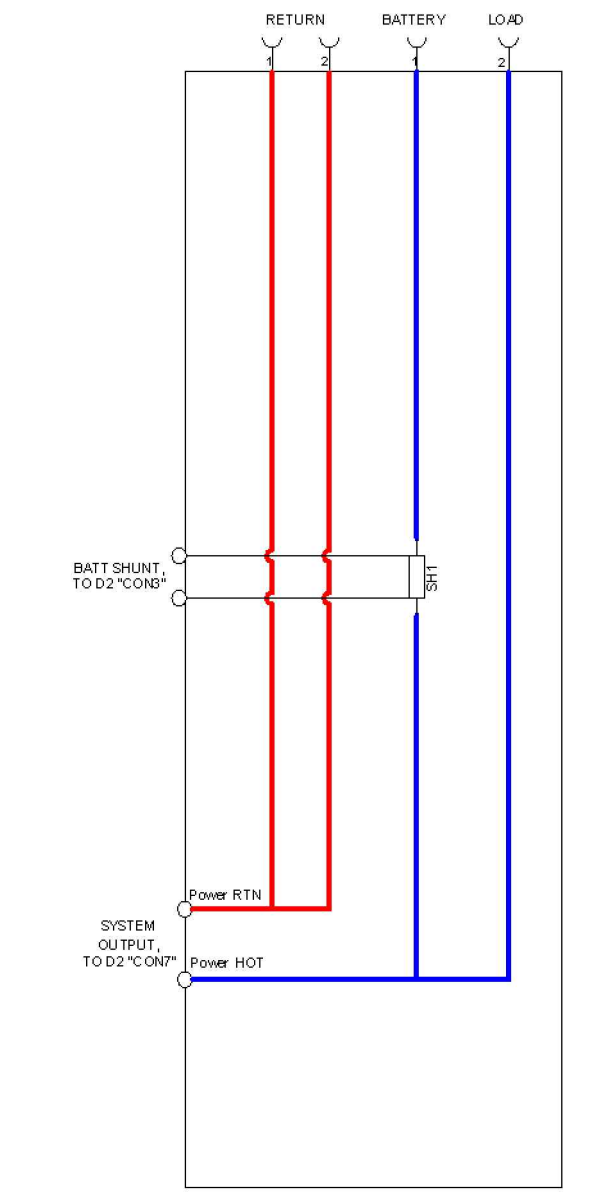
SECTION 8.2 AUX DISTRIBUTION SCHEMATIC



D1 241120.920
LOAD DIST. 4-BREAKERS MODULE SCHEMATIC



D2 302327
DIN RAIL MOUNTED GMT MODULE SCHEMATIC

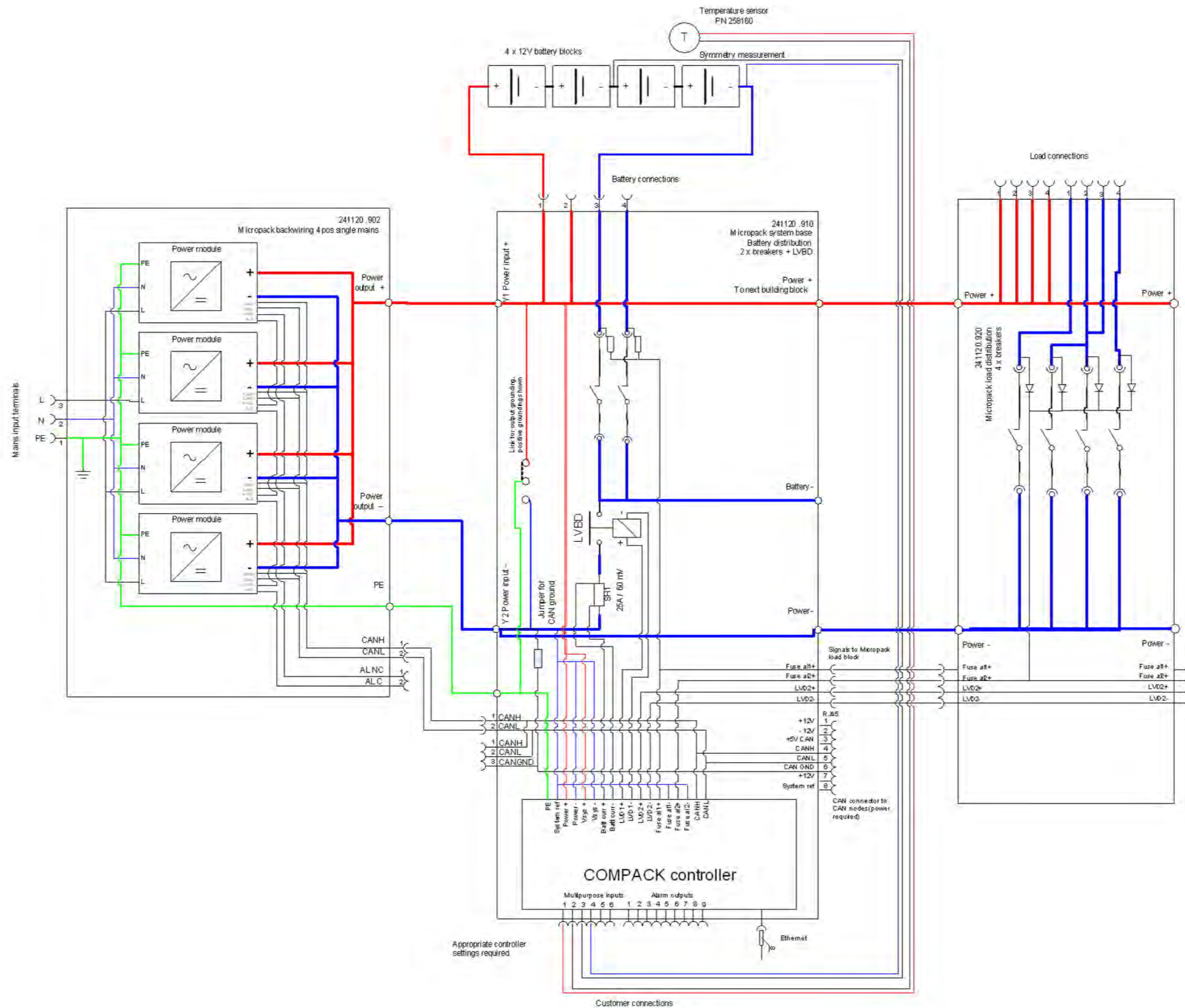


D3 286125
DIN RAIL MOUNTED SHUNT MODULE SCHEMATIC

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APPROVED	IFS	CAD AUTOCAD
		ASSEMBLY DRAWING
		MICROPACK PRODUCT GUIDE
		SCHEMATIC DRAWING
		DRAWING ISSUE DATE
		SECTION 8.2
		DRAWING NUMBER 2101861

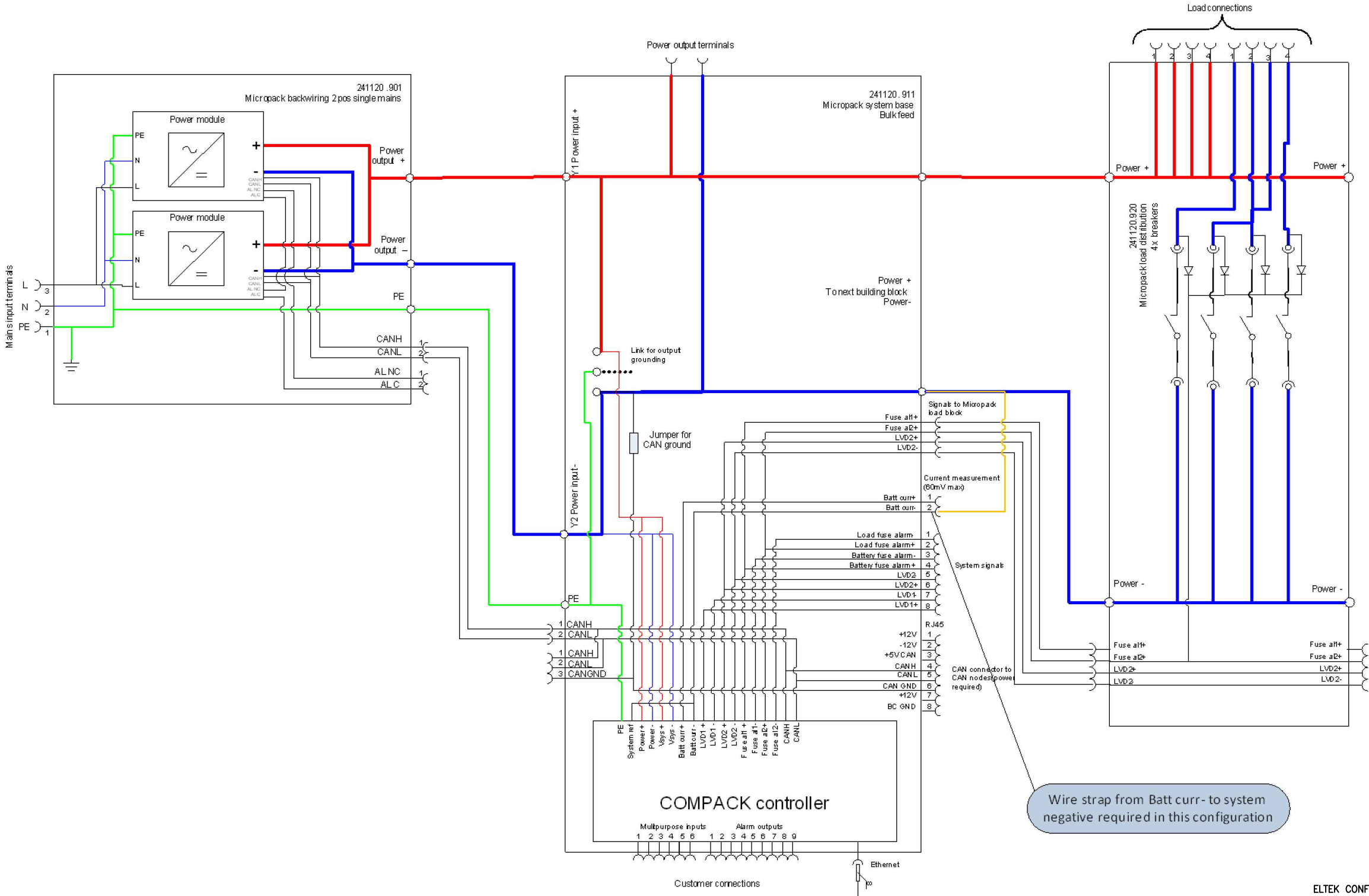
SECTION 8.3 APPLICATION EXAMPLE 1 – POWER CORE WITH 2 LVBD BREAKERS AND 4 LOAD BREAKERS



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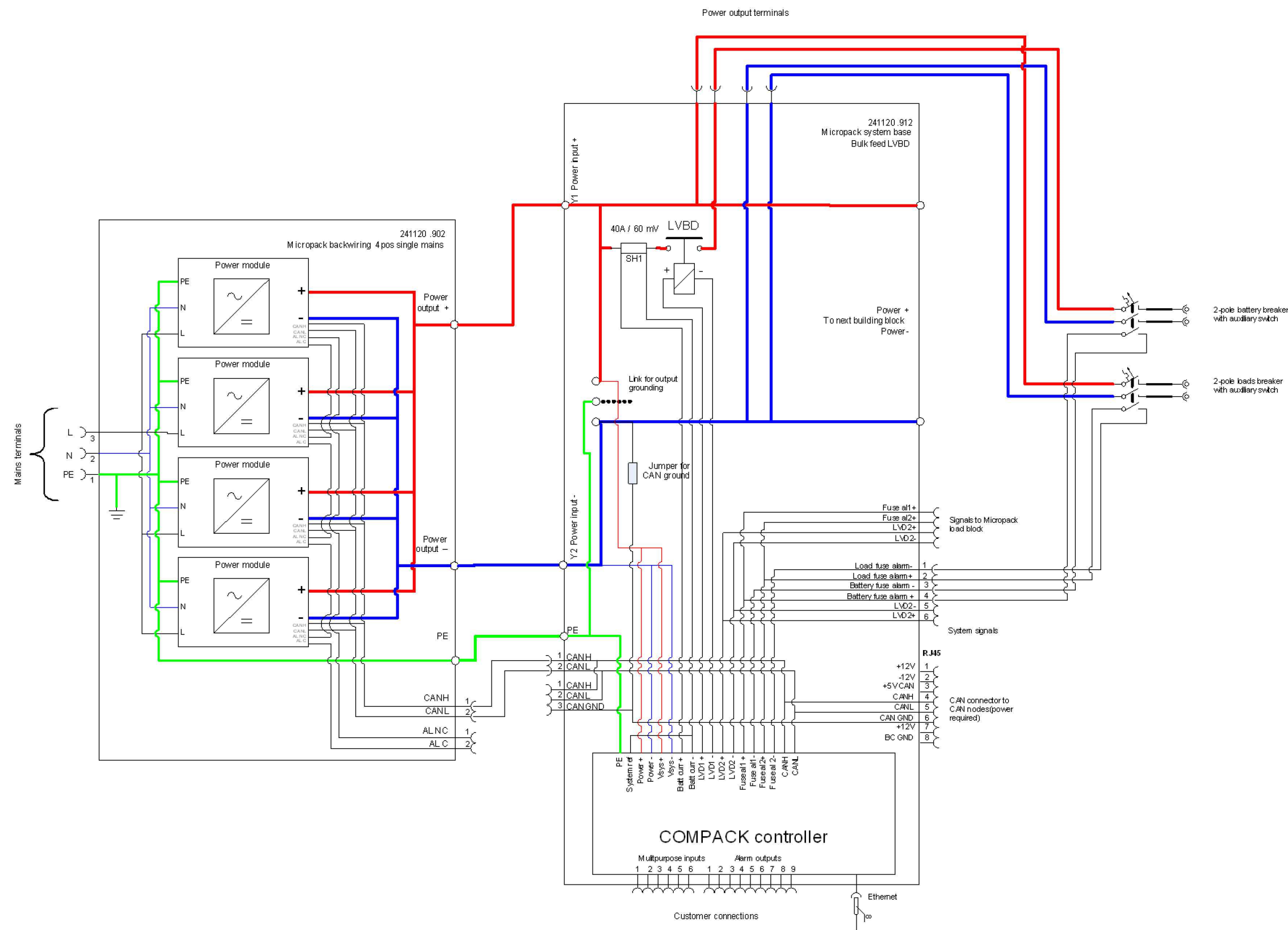
DESCRIPTION OF CHANGE PER ECO NO.		NEW DRAWING RELEASE	
ENGINEER Franky Huang	ENG. 07-12-13	 ELTEK	
DRAFTER FMH	DRAWN		
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		ASSEMBLY DRAWING	
		MICROPACK PRODUCT GUIDE	
		SCHEMATIC DRAWING	
		DRAWING ISSUE DATE	
		SECTION 8.3	
		DRAWING NUMBER 2101861	

SECTION 8.4 APPLICATION EXAMPLE 2 – AC/DC POWER CORE WITH BULK OUTPUT AND 4 LOAD BREAKERS



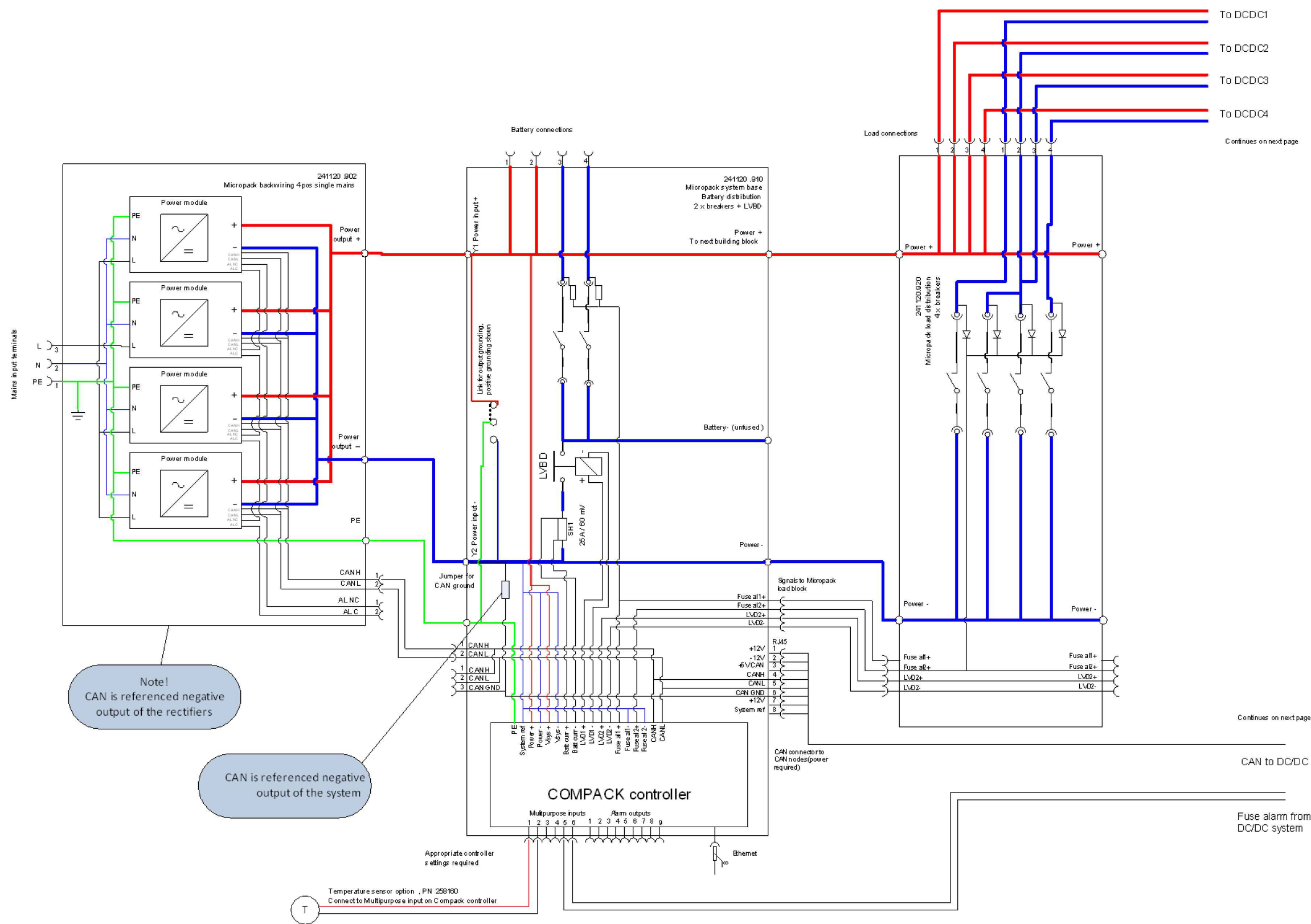
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DESCRIPTION OF CHANGE PER ECO NO. NEW DRAWING RELEASE		
ENGINEER Franky Huang	ENG. 07-12-13	
DRAFTER FMH	DRAWN	
APPROVED	IFS	CAD AUTOCAD
		ASSEMBLY DRAWING
		MICROPACK PRODUCT GUIDE
		SCHEMATIC DRAWING
		DRAWING ISSUE DATE
		SECTION 8.4
		DRAWING NUMBER 2101861

SECTION 8.5 APPLICATION EXAMPLE 3 – AC/DC POWER CORE WITH LVBD AND EXTERNAL BREAKERS



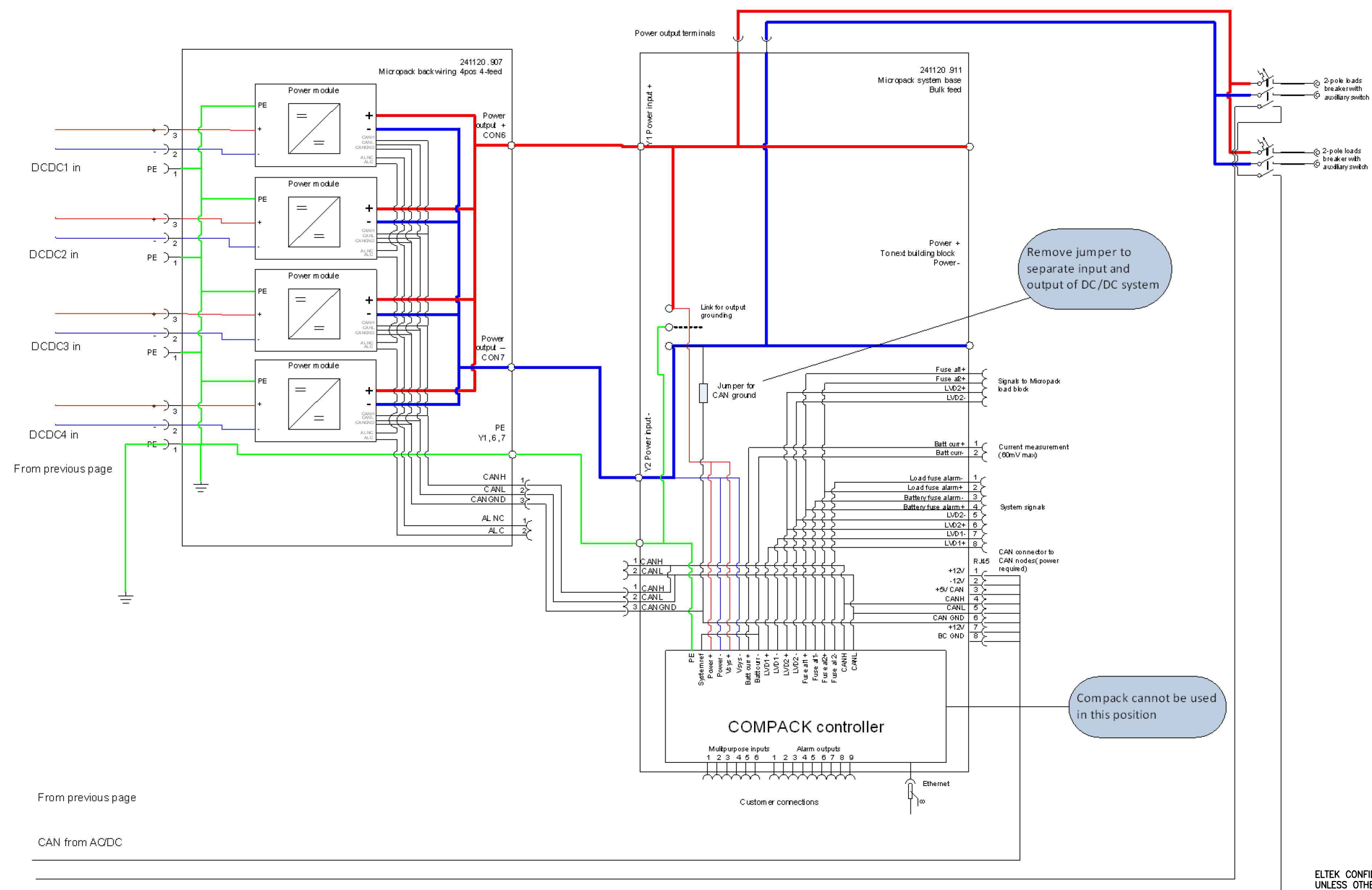
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DESCRIPTION OF CHANGE PER ECO NO. NEW DRAWING RELEASE		
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DRAFTER FMH	DRAWN	
APPROVED	IFS	CAD AUTOCAD
		ASSEMBLY DRAWING
		MICROPACK PRODUCT GUIDE
		SCHEMATIC DRAWING
		DRAWING ISSUE DATE
		SECTION 8.5
		DRAWING NUMBER 2101861

SECTION 8.6 APPLICATION EXAMPLE 4 – AC/DC POWER CORE AND DC/DC CONVERTER SYSTEM



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DESCRIPTION OF CHANGE PER ECO NO. NEW DRAWING RELEASE		
ENGINEER Franky Huang	ENG. 07-12-13	
DRAFTER FMH	DRAWN	
APPROVED	IFS	CAD AUTOCAD
		ASSEMBLY DRAWING
		MICROPACK PRODUCT GUIDE
		SCHEMATIC DRAWING
		DRAWING ISSUE DATE
		SECTION 8.6
		DRAWING NUMBER 2101861

SECTION 8.6-CONTINUED APPLICATION EXAMPLE 4 – AC/DC POWER CORE AND DC/DC CONVERTER SYSTEM



From previous page

CAN from AC/DC

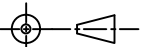
Fuse alarm
To Compack input

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DESCRIPTION OF CHANGE PER ECO NO.		
NEW DRAWING RELEASE		
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DRAFTER FMH	DRAWN	
APPROVED	IFS	CAD AUTOCAD
		ASSEMBLY DRAWING
		MICROPACK PRODUCT GUIDE
		SCHEMATIC DRAWING
		DRAWING ISSUE DATE
		SECTION 8.6-CONTINUED
		DRAWING NUMBER 2101861

SECTION 9 CUSTOMER REFERENCE DOCUMENTS

TABLE 9 CUSTOMER REFERENCE DOCUMENTS			
NO.	DOCUMENT NO.	CUSTOMER REFERENCE DOCUMENT DESCRIPTION	NOTE
1	356820.003	DOCSET_MICROPACK	
2	241120.90X.DS3	DATASHEET MICROPACK SYSTEM	
3	241120.100.DS3	DATASHEET MICROPACK 48/250	
4	241120.200.DS3	DATASHEET MICROPACK 24/240 WOR	
5	241120.300.DS3	DATASHEET MICROPACK 12120 WOR	
6	242100.400.DS3	DATASHEET COMPACK CONTROLLER	
7	350011.013	USER'S GUIDE COMPACK MONITORING AND CONTROL UNIT	
8	356820.103	QUICK INSTALLATION GUIDE MICROPACK PS SYSTEM, INTEGRATED DC DISTRIBUTION	
9	2092817	INSTALLATION GUIDE (US) MICROPACK	
10	356822.003	DOCUMENTATION SET MICROPACK PS, STAND-ALONE	
11	356822.103	QUICK INSTALLATION GUIDE MICROPACK PS, STAND-ALONE	
12	356822.173	DOCUMENTATION CHART MICROPACK PS, STAND-ALONE	
13	2091983	DATASHEET MICROSHELF PRODUCT FLYER	
14	2092465	MICROSHELF ORDERING GUIDE	
15	2098035	MICROSHELF INSTALLATION MANUAL	
16	2061340	USER'S GUIDE IMPORT/EXPORT CONTROL UNIT CONFIGURATION DATA	
17	351507.033	INSTALLATION GUIDE BATTERY MONITOR, CAN BUS NODE	
18	2056592	MICROPACK MODULE CODING	
19	2061604	GMT10X DISTRIBUTION GUIDE – D0600000010	
20	2075222	MICROPACK BUILDING BLOCK SCHEMATICS	



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NEW DRAWING RELEASE		
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DRAFTER FMH	DRAWN	
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		ASSEMBLY DRAWING
		MICROPACK PRODUCT GUIDE
		CUSTOMER REFERENCE
		DRAWING ISSUE DATE
		SECTION 9
		DRAWING NUMBER 2101861