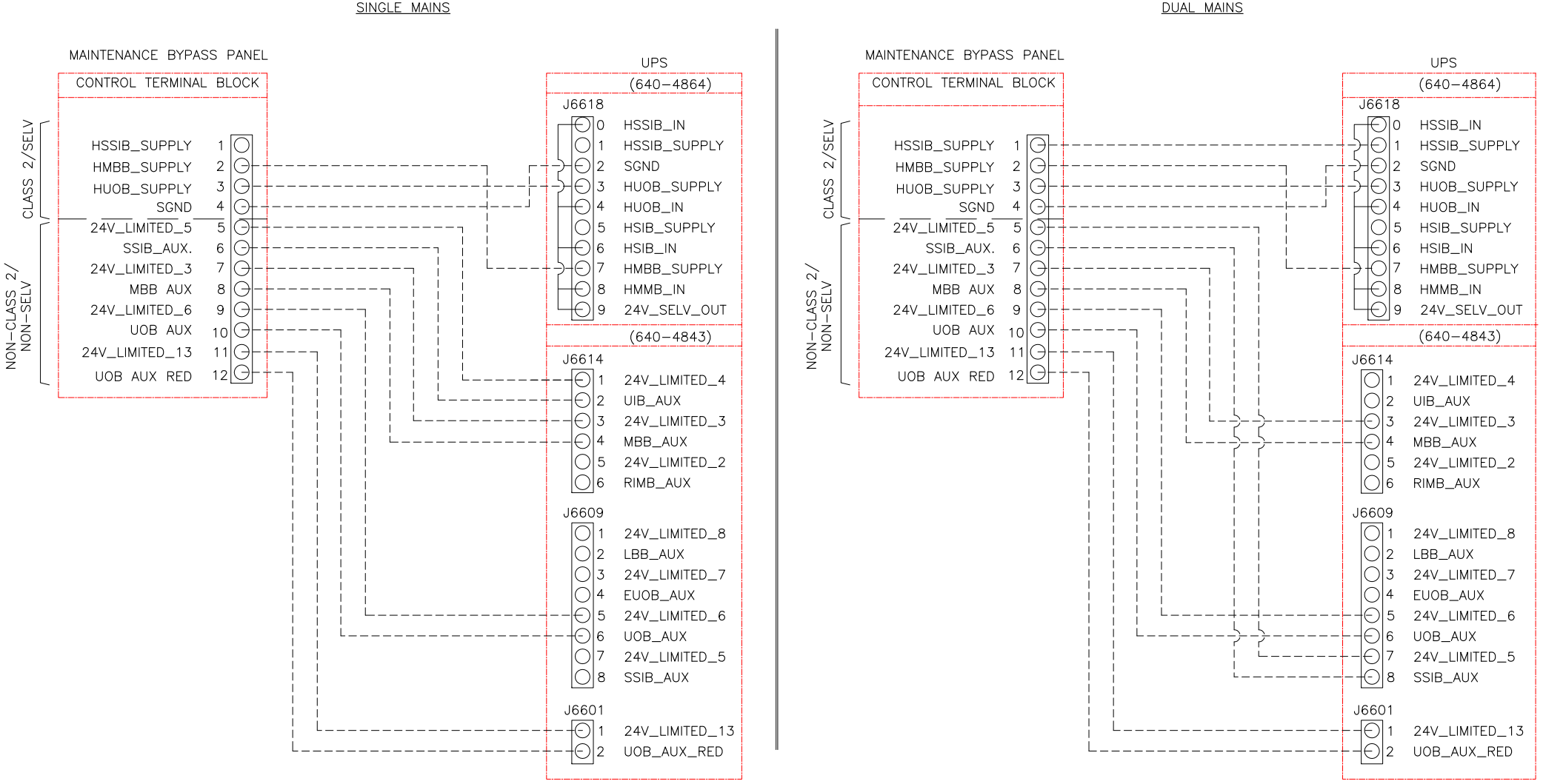
INTERFACE BETWEEN UPS (1MODULE) AND MBP



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. FOR LATEST VERSION OF BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
4. ALL CIRCUITS CONNECTED MUST HAVE THE SAME 0V REFERENCE.
5. RUN THE Class2/SELV CABLES SEPARATELY FROM THE non-Class2/non-SELV CABLES.
6. ---------- = CABLES PROVIDED BY OTHERS.

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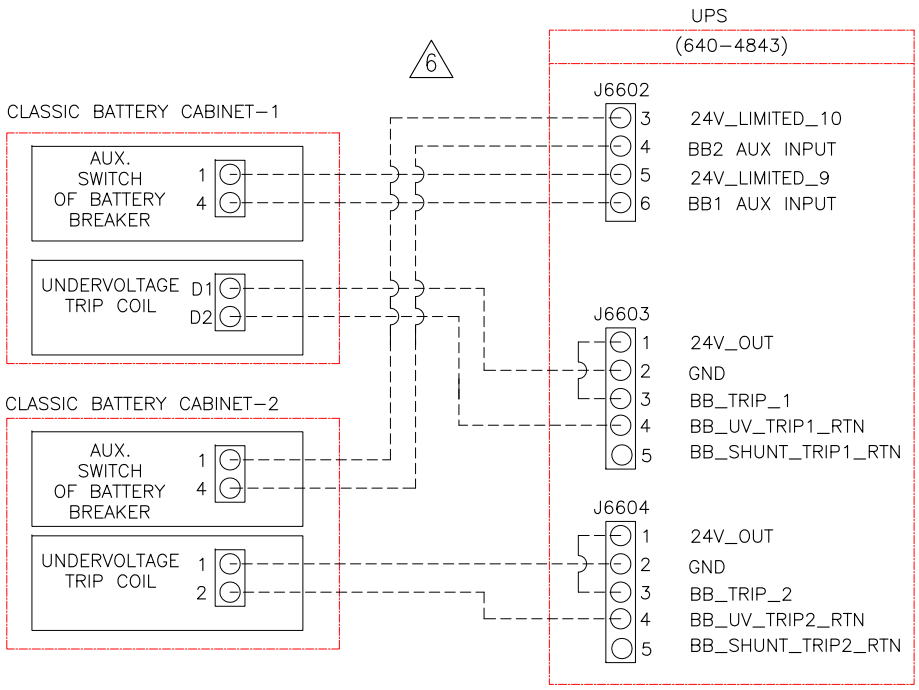
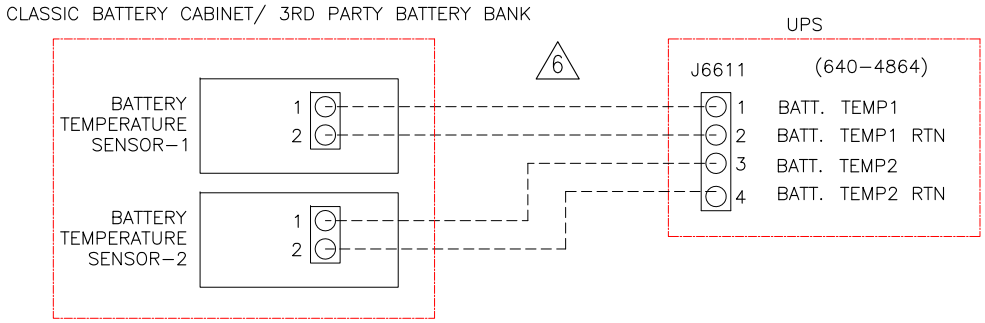
Schneider Electric

TITLE: GALAXY VS Input: 380/400/415V AC 3PH 50Hz SINGLE/DUAL FEED Output: 380/400/415V AC 3PH 50Hz 20-150kW SYSTEM WIRING DIAGRAM INTERFACE BETWEEN 1 MOD UPS AND MBP		DWG NO: GVSUPS20K150HS-WD	REV. 2
		DRAWN BY: BALA 13-NOV-19	ANGLE PROJECTION
		ENGINEER: H N/D F/C N/K S 13-NOV-19	
PROJECT: DRAWINGS	SHEET 1 OF 3	APPROVED BY: C B 13-NOV-19	N.A

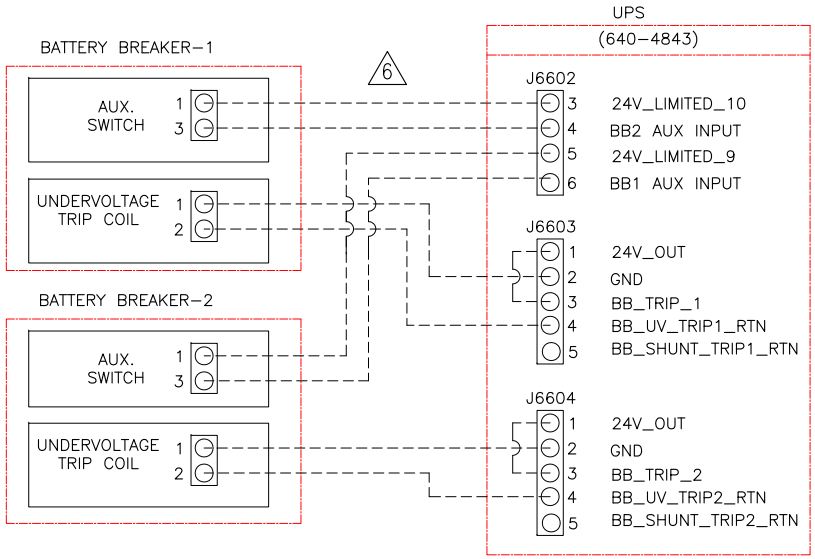
INTERFACE BETWEEN CLASSIC BATTERY CABINETS AND UPS



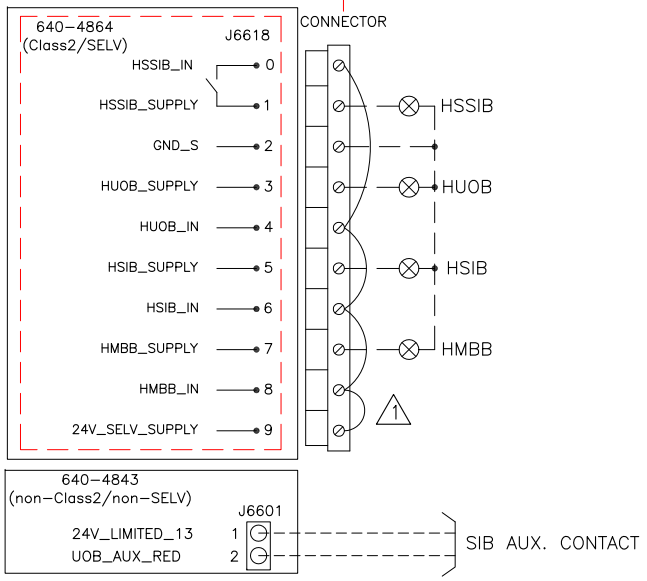
BATTERY TEMPERATURE SENSOR INTERFACE



INTERFACE BETWEEN BATTERY BREAKERS AND UPS



INTERFACE BETWEEN UPS AND THIRD-PARTY AUXILIARY PRODUCTS



NOTES:
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2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. FOR LATEST VERSION OF BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
4. ALL CIRCUITS CONNECTED MUST HAVE THE SAME 0V REFERENCE.
5. ---------- = CABLES PROVIDED BY OTHERS.

△6. MAXIMUM ALLOWABLE DISTANCE BETWEEN UPS AND BATTERY IS 200 METERS [656 FEET].

7. RUN THE Class2/SELV CABLES SEPARATELY FROM THE non-Class2/non-SELV CABLES.

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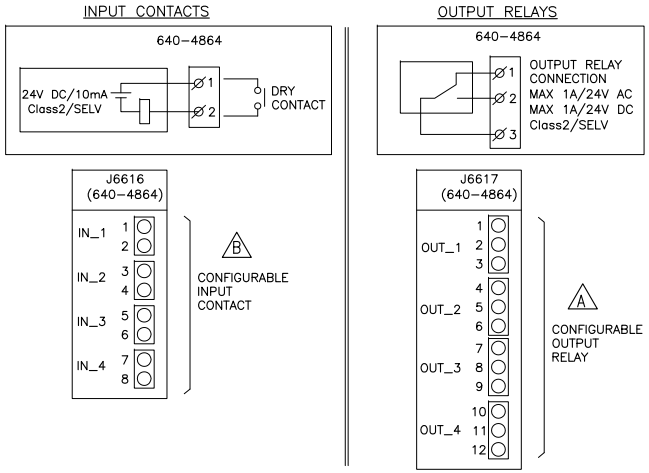
Schneider Electric

TITLE: GALAXY VS Input: 380/400/415V AC 3PH 50Hz SINGLE/DUAL FEED Output: 380/400/415V AC 3PH 50Hz 20-150kW SYSTEM WIRING DIAGRAM BATTERY, PBUS, EPO AND UPS IN-OUT INTERFACE		DWG NO: GVSUPS20K150HS-WD	REV. 1
		DRAWN BY: BALA	06-NOV-19
		ENGINEER: H N/D F/C N/K S	11-NOV-19
PROJECT: DRAWINGS	SHEET 2 OF 3	APPROVED BY: C B	11-NOV-19
		ANGLE PROJECTION	N.A

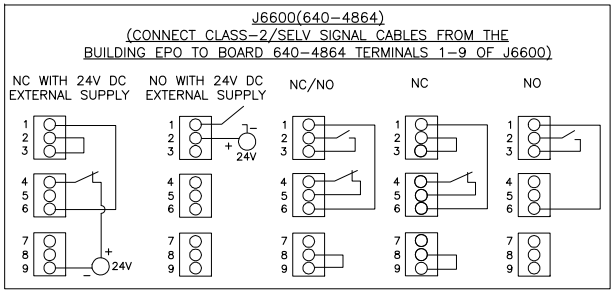
EQUIPMENT TO INPUT CONTACTS AND OUTPUT RELAYS (IN UPS)



△A. MAX 24V AC/ 24V DC 1A MUST BE CONNECTED TO THE OUTPUT RELAYS. ALL EXTERNAL CIRCUITRY MUST BE FUSED WITH MAXIMUM 1 A FAST ACTING FUSES.

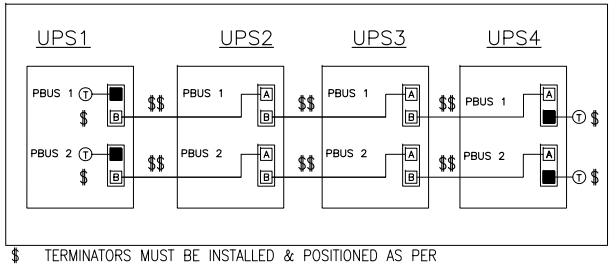
△B. DO NOT CONNECT ANY CIRCUIT TO THE INPUT CONTACTS UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS 2. ALL CIRCUITS CONNECTED MUST HAVE THE SAME 0V REFERENCE.

EMERGENCY POWER OFF (EPO) CONFIGURATIONS (IN UPS)



THE EPO CIRCUIT IS CONSIDERED CLASS2/SELV. CLASS2/SELV CIRCUITS MUST BE ISOLATED FROM THE PRIMARY CIRCUITRY. DO NOT CONNECT ANY CIRCUIT TO THE EPO TERMINAL BLOCK UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS2/SELV.

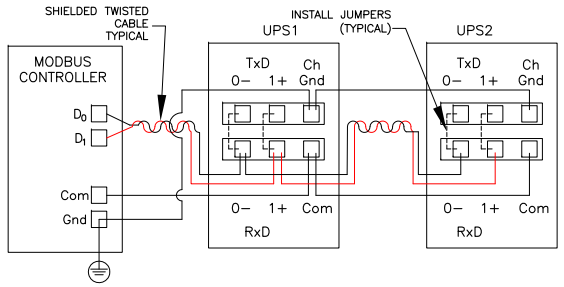
PBUS CONNECTIONS (GVSOPT006)



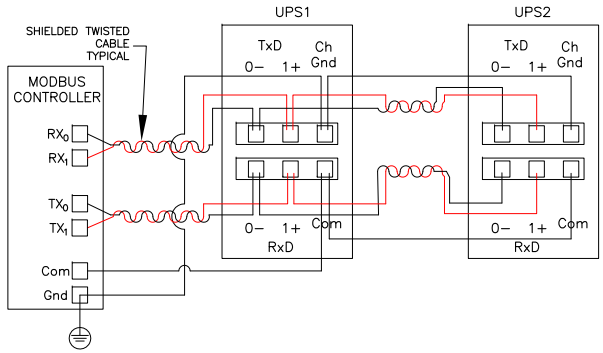
$ TERMINATORS MUST BE INSTALLED & POSITIONED AS PER INSTALLATION MANUAL FOR PARALLEL OPERATION.

$$ PBUS1 CABLES ARE WHITE AND PBUS2 ARE RED, WITH A LENGTH OF 25 METERS EACH. CABLES TO BE ORDERED BY OPTIONAL SKU GVSOPT006 (PARALLEL COMMUNICATION KIT).

2-WIRE CONNECTION WITH TWO UPSs

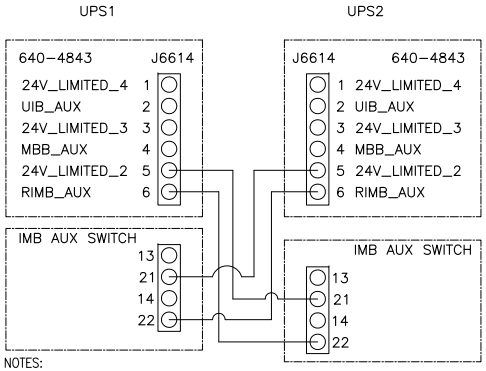


4-WIRE CONNECTION WITH TWO UPSs



NOTES:
1. THE SHIELD CONNECTION TO THE GROUND MUST BE AS SHORT AS POSSIBLE (IDEALLY BELOW 1CM). THE SHIELD MUST BE CONNECTED TO EACH DEVICE.
2. ROUTE SIGNAL CABLES SEPARATELY FROM POWER CABLES TO ENSURE SUFFICIENT ISOLATION.
3. THE MODBUS PORT IS OPTICALLY ISOLATED. THE GROUND OF THE MODBUS PORT IS NOT CONNECTED TO ANY OTHER GROUND.
4. INSTALL 150 OHM TERMINATION RESISTORS AT EACH END OF EACH BUS IF THE BUSES ARE VERY LONG AND OPERATE AT HIGH DATA RATES. BUSSES UNDER 610 METERS (2000 FEET) AT 9600 BAUD OR UNDER 305 METERS (1000 FEET) AT 19.2 BAUD SHOULD NOT REQUIRE TERMINATION RESISTORS.
5. INSTALL 400-650 OHM BIAS RESISTORS AT OR INSIDE THE SYSTEM CONTROLLER, ONE FROM D0 TO GROUND AND ONE FROM D1 TO +5V DC.

SIMPLIFIED 1+1 PARALLEL SYSTEM INTERFACE (non-CLASS2/non-SELV)



NOTES:
1. INTERFACE CABLES (LENGTH: 25 METERS) BETWEEN MAINTENANCE UPSs CAN BE ORDERED FROM THE OPTION SKU GVSOPT006.

COMMON NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
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PROJECT: DRAWINGS	APPROVED BY: C B	11-NOV-19	N.A
SHEET 3 OF 3			