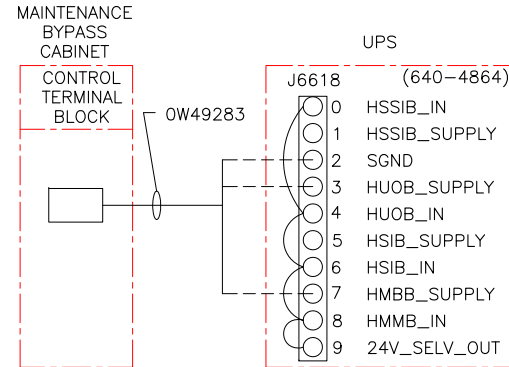
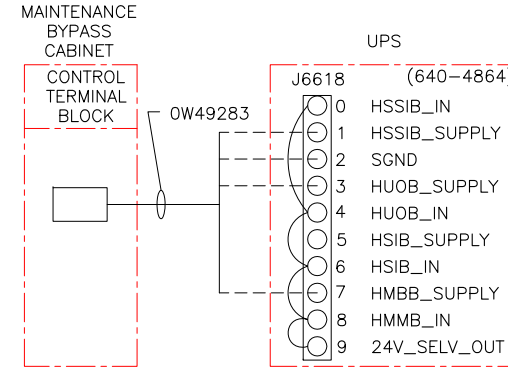


INTERFACE BETWEEN GALAXY VS UPS AND FLOOR MOUNT MAINTENANCE BYPASS PANEL (GVSBPSU80G)

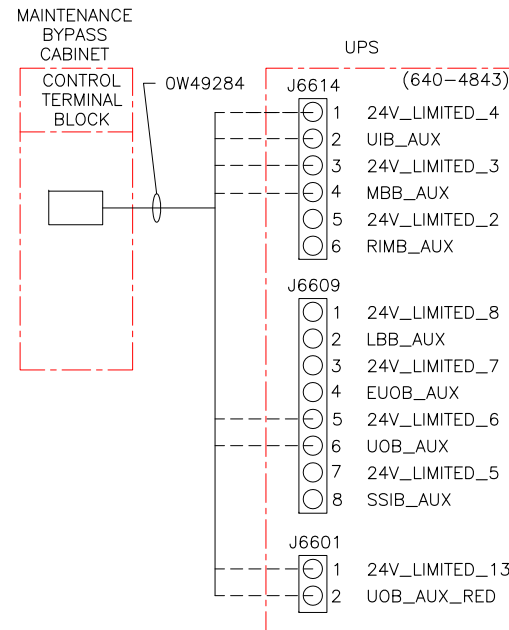
SINGLE MAINS SYSTEM (CLASS 2/SELV)



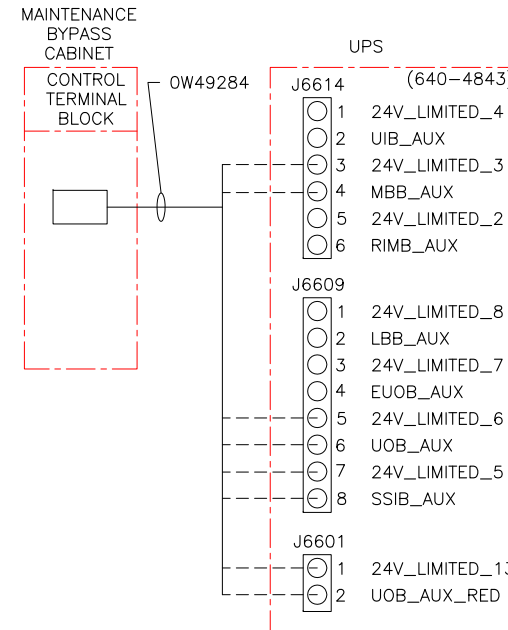
DUAL MAINS SYSTEM (CLASS 2/SELV)



SINGLE MAINS SYSTEM (non-CLASS 2/non-SELV)



DUAL MAINS SYSTEM (non-CLASS 2/non-SELV)



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. INTERFACE CABLES BETWEEN MAINTENANCE BYPASS CABINET AND UPS ARE PROVIDED BY SCHNEIDER ELECTRIC (PART OF MBC SKU# GVSBPSU80G).

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Schneider Electric

TITLE: GALAXY VS
Input: 600/480/208V 3PH 60Hz
Output: 480/208V 3PH 10-100kW
UPS TO FLOOR MOUNT MBC INTERFACE DETAILS
SYSTEM WIRING DIAGRAM

PROJECT: DRAWINGS **SHEET** 1 OF 4

DWG NO: CVS10K50LGFSAI0-WD

DRAWN BY: BALA **13-SEP-19**

ENGINEER: ChenLei BAO **14-OCT-19**

APPROVED BY: C C / S V **14-OCT-19**

REV. 0

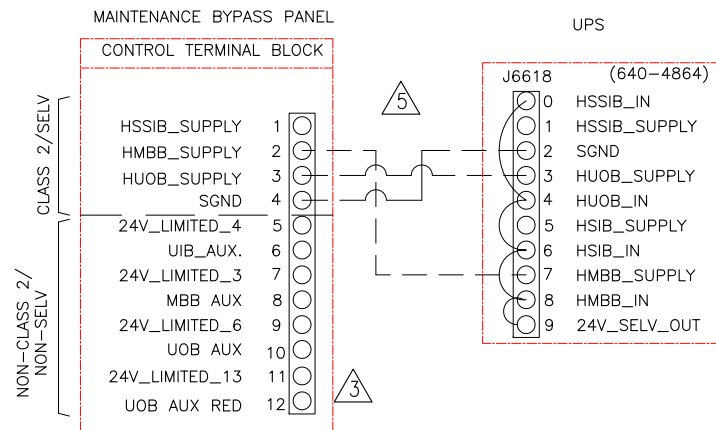
ANGLE

PROJECTION

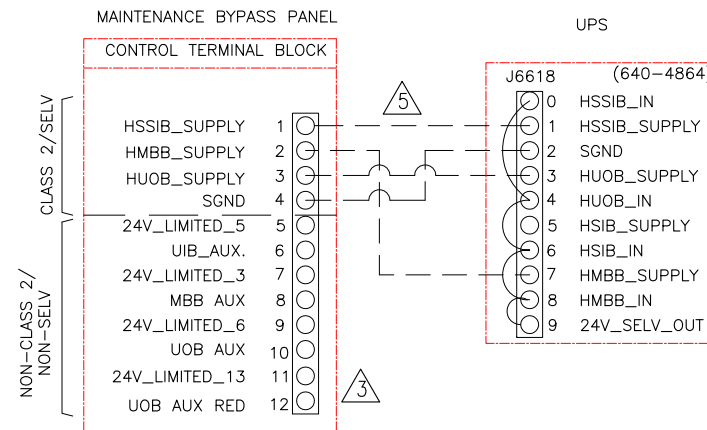
N.A.

INTERFACE BETWEEN UPS AND WALL MOUNT MAINTENANCE BYPASS PANEL (GVSBP60G-WP/GVSBP100G-WP)

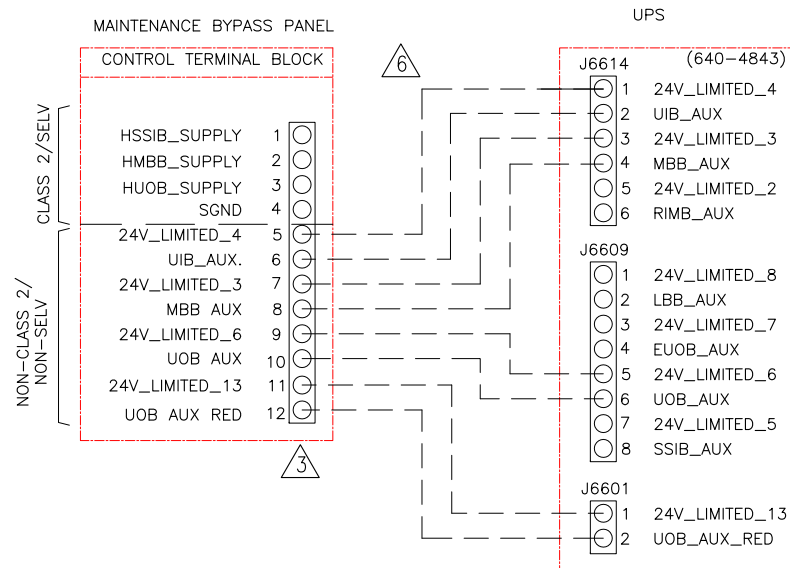
SINGLE MAINS SYSTEM (CLASS 2/SELV)



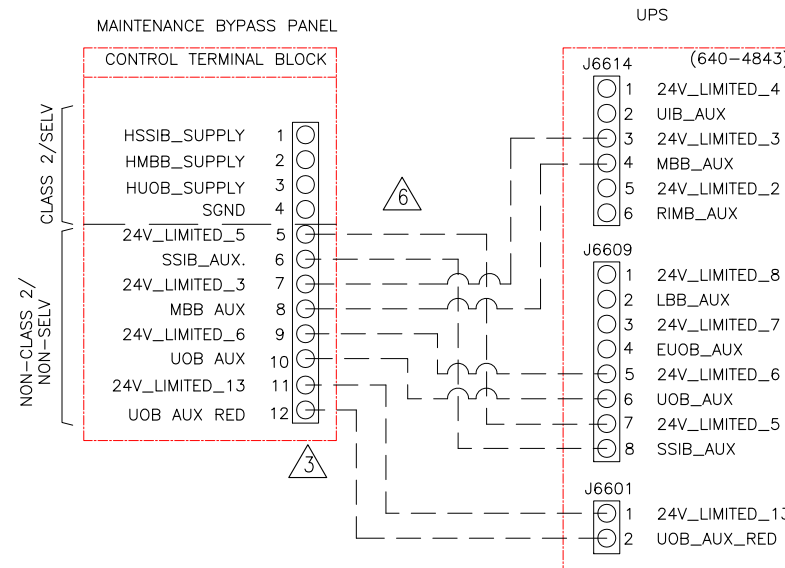
DUAL MAINS SYSTEM (CLASS 2/SELV)



SINGLE MAINS SYSTEM (non-CLASS 2/non-SELV)



DUAL MAINS SYSTEM (non-CLASS 2/non-SELV)



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
- △3. TERMINALS 11 AND 12 ARE ONLY PRESENT IN GVSBP100G-WP, NOT PRESENT ON THE CONTROL TERMINAL BLOCK IN GVSBP60G-WP AND THERE IS NO CONNECTION NEEDED TO J6601 IN THE UPS.
4. — — — CABLES PROVIDED BY CUSTOMER.
- △5. THIS CABLE IS CLASSIFIED AS CLASS2/SELV, TO BE ORDERED SEPARATELY, FOR VARIOUS LENGTH AVAILABILITY CONTACT SCHNEIDER ELECTRIC.
- △6. THIS CABLE IS CLASSIFIED AS NON-CLASS2/NON-SELV, TO BE ORDERED SEPARATELY, FOR VARIOUS LENGTH AVAILABILITY CONTACT SCHNEIDER ELECTRIC.

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Schneider Electric

TITLE: GALAXY VS
Input: 600/480/208V 3PH 60Hz
Output: 480/208V 3PH 10-100kW
UPS TO WALL MOUNT MBC INTERFACE DETAILS
SYSTEM WIRING DIAGRAM

PROJECT: DRAWINGS SHEET 2 OF 4

DWG NO: CVS10K50LGFAIO-WD

DRAWN BY: BALA 13-SEP-19

ENGINEER: ChenLei BAO 14-OCT-19

APPROVED BY: C C / S V 14-OCT-19

REV: 0

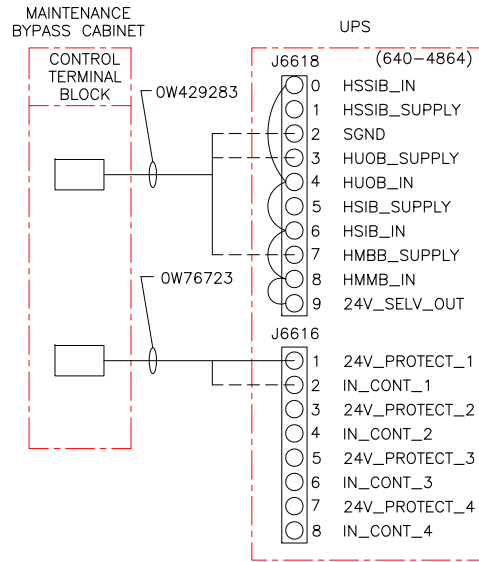
ANGLE

PROJECTION

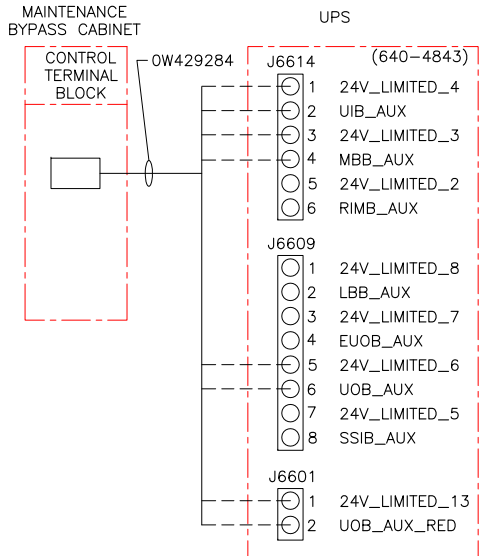
N.A.

INTERFACE BETWEEN GALAXY VS UPS AND
MAINTENANCE BYPASS PANEL WITH IN/OUT XFMR
(GVSBPIT25B/GVSBPOT50B))

CLASS 2/SELV



non-CLASS 2/non-SELV



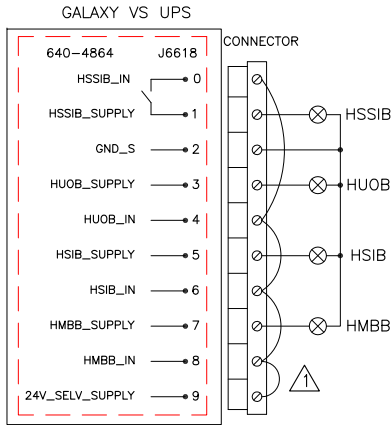
NOTES:

- INTERFACE CABLES BETWEEN MAINTENANCE BYPASS CABINET AND UPS ARE PROVIDED BY SCHNEIDER ELECTRIC (PART OF MBC SKU).
- ROUTE THE Class2/SELV AND non-Class2/non-SELV CABLES SEPARATELY.

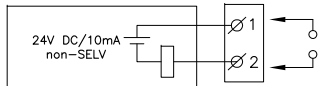
COMMON NOTES:

- INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
- REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.

INTERFACE BETWEEN UPS AND THIRD-PARTY AUXILIARY PRODUCTS



NON-SELV INTERFACE 640-4843



J6601 (UOB)

- 1 24V_LIMITED_13
- 2 UOB_AUX_RED

J6602 (SIB)

- 1 24V_LIMITED_11
- 2 SIB_AUX
- 3 24V_LIMITED_10
- 4 BB2_AUX
- 5 24V_LIMITED_9
- 6 BB1_AUX

J6614 (UIB)

- 1 24V_LIMITED_4
- 2 UIB_AUX
- 3 24V_LIMITED_3
- 4 MBB_AUX
- 5 24V_LIMITED_2
- 6 RIMB_AUX

J6609 (UOB/SSIB)

- 1 24V_LIMITED_8
- 2 LBB_AUX
- 3 24V_LIMITED_7
- 4 EUOB_AUX
- 5 24V_LIMITED_6
- 6 UOB_AUX
- 7 24V_LIMITED_5
- 8 SSIB_AUX

NOTES:

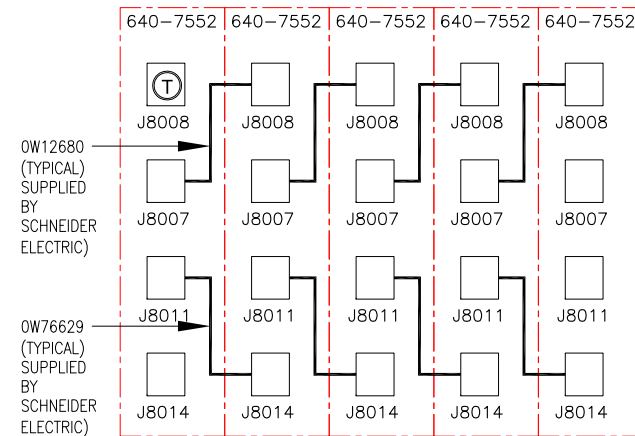
- △ 1. CONNECT SIGNAL CABLES FROM THE BREAKER INDICATOR LIGHTS IN YOUR SWITCHGEAR TO BOARD 640-4864 TERMINAL J6618 IN THE TOP OF THE UPS. IF AN EXTERNAL SUPPLY IS USED, REMOVE JUMPER FROM J6618 BETWEEN PIN 8 AND 9.
- THE BREAKER INDICATOR LIGHT CIRCUIT IS CONSIDERED CLASS 2/ SELV. THIS CIRCUIT MUST BE ISOLATED FROM PRIMARY CIRCUITRY. DO NOT CONNECT ANY CIRCUIT TO THE BREAKER INDICATOR LIGHT TERMINALS UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS 2/SELV.

UPS WITH ADJACENT MODULAR BATTERY CABINETS

MODULAR BATTERY CABINETS

UPS

CABINET-4 CABINET-3 CABINET-2 CABINET-1

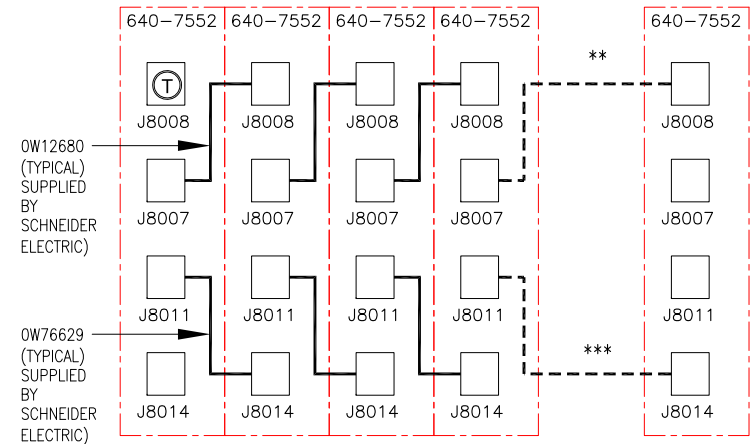


UPS WITH REMOTE MODULAR BATTERY CABINETS

MODULAR BATTERY CABINETS

UPS

CABINET-4 CABINET-3 CABINET-2 CABINET-1



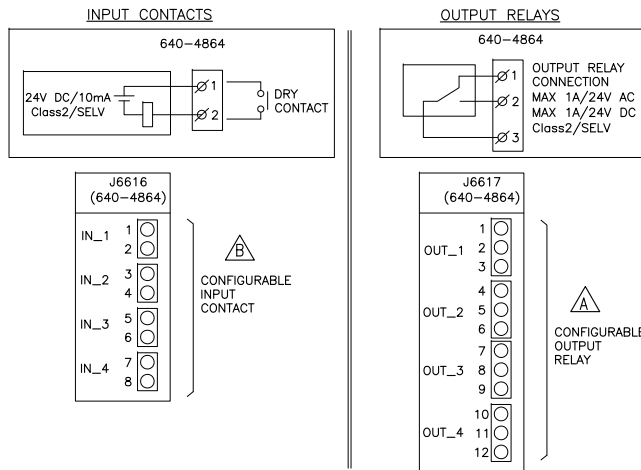
- ** THIS CABLE IS CLASSIFIED AS CLASS2/SELV, TO BE ORDERED SEPARATELY, FOR VARIOUS LENGTH AVAILABILITY CONTACT SCHNEIDER ELECTRIC.
- *** THIS CABLE IS CLASSIFIED AS NON-CLASS2/NON-SELV, THE PROVIDED SIGNAL CABLE OW76629 IS NOT LONG ENOUGH FOR A REMOTE INSTALLATION. REUSE THE CONNECTIONS FROM THE PROVIDED SIGNAL CABLE OW76629 TO MAKE A NEW SIGNAL CABLES IN THE CORRECT LENGTH.

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Schneider Electric

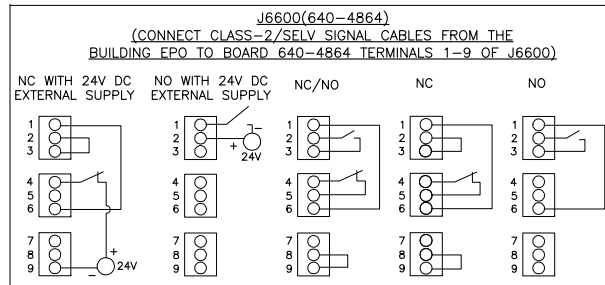
TITLE: GALAXY VS Input: 600/480/208V 3PH 60Hz Output: 480/208V 3PH 10-100kW UPS- MBC w/XFMR , 3RD PARTY MBC BATT CABLING SYSTEM WIRING DIAGRAM		DWG NO: CVS10K50LGFSIAIO-WD	REV: 0
DRAWN BY: BALA		13-SEP-19	ANGLE
ENGINEER: ChenLei BAO		14-OCT-19	PROJECTION
PROJECT: DRAWINGS		APPROVED BY: C C / S V	14-OCT-19
SHEET 3 OF 4			N.A

EQUIPMENT TO INPUT CONTACTS AND OUTPUT RELAYS (IN UPS)



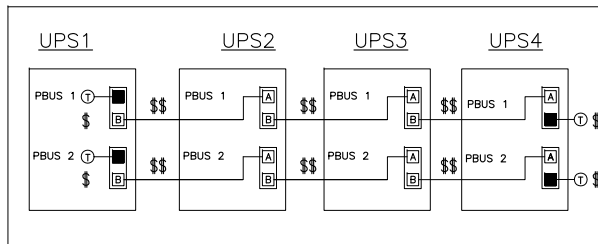
- △A. MAX 24V AC/ 24V DC 1A MUST BE CONNECTED TO THE OUTPUT RELAYS.
ALL EXTERNAL CIRCUITRY MUST BE FUSED WITH MAXIMUM 1 A FAST ACTING FUSES.
- △B. DO NOT CONNECT ANY CIRCUIT TO THE INPUT CONTACTS UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS 2. ALL CIRCUITS CONNECTED MUST HAVE THE SAME 0V REFERENCE.

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)



COMMON NOTES:

- INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
- REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.

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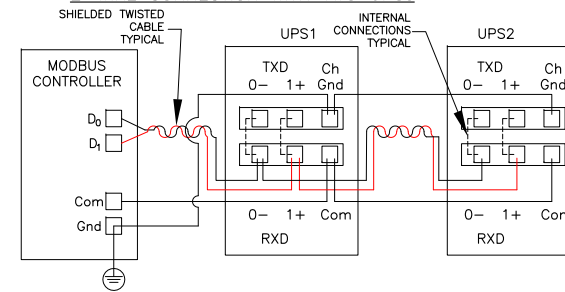
Schneider Electric

TITLE: GALAXY VS
Input: 600/480/208V 3PH 60Hz
Output: 480/208V 3PH 10-100kW
UPS IN/OUT RELAY, EPO, PBUS
SYSTEM WIRING DIAGRAM

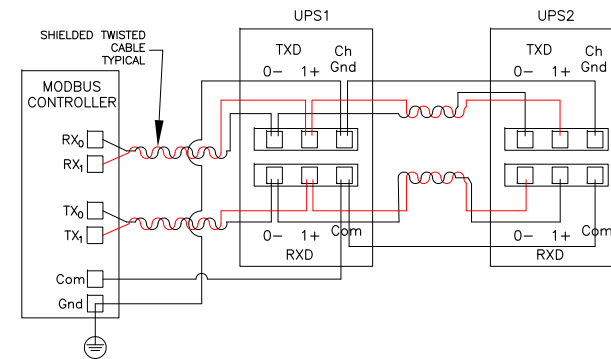
DWG NO: CVS10K50LGFSAI0-WD
ENGINEER: ChenLei BAO
APPROVED BY: C C/ S V

REV. 0
ANGLE
PROJECTION
N.A.

2-WIRE CONNECTION WITH TWO UPSs



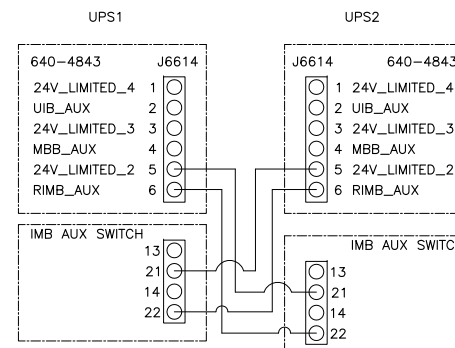
4-WIRE CONNECTION WITH TWO UPSs



NOTES:

- THE SHIELD CONNECTION TO THE GROUND MUST BE AS SHORT AS POSSIBLE (IDEALLY BELOW 1CM). THE SHIELD MUST BE CONNECTED TO EACH DEVICE.
- ROUTE SIGNAL CABLES SEPARATELY FROM POWER CABLES TO ENSURE SUFFICIENT ISOLATION.
- THE MODBUS PORT IS OPTICALLY ISOLATED. THE GROUND OF THE MODBUS PORT IS NOT CONNECTED TO ANY OTHER GROUND.
- INSTALL 150 OHM TERMINATION RESISTORS AT EACH END OF EACH BUS IF THE BUSES ARE VERY LONG AND OPERATE AT HIGH DATA RATES. BUSES UNDER 610 METERS (2000 FEET) AT 9600 BAUD OR UNDER 305 METERS (1000 FEET) AT 19.2 BAUD SHOULD NOT REQUIRE TERMINATION RESISTORS.
- 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:

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