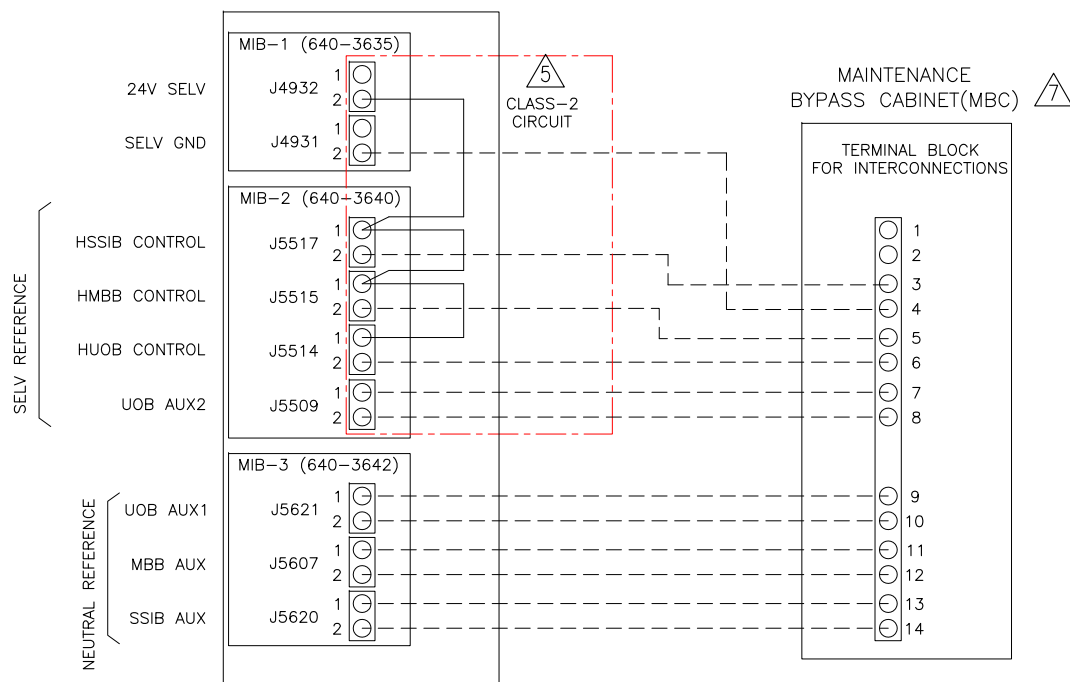
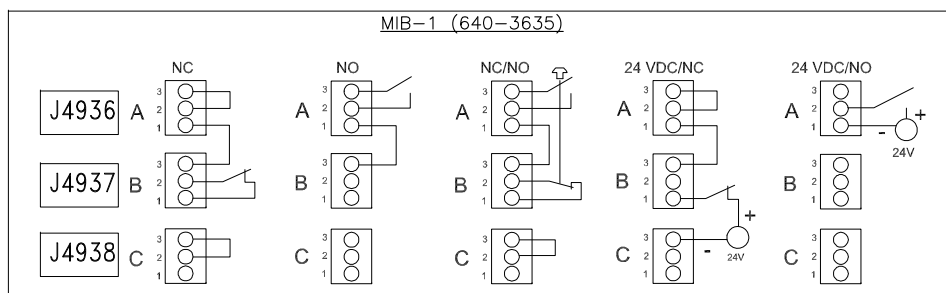


SIGNAL INTERFACE BETWEEN UPS INPUT-OUTPUT CABINET AND MAINTENANCE BYPASS CABINET (MBC)

Galaxy VX UPS
INPUT-OUTPUT
CABINET
(GVXI1500KD)



EMERGENCY POWER OFF (EPO) CONFIGURATIONS (IN GVXI1500KD)

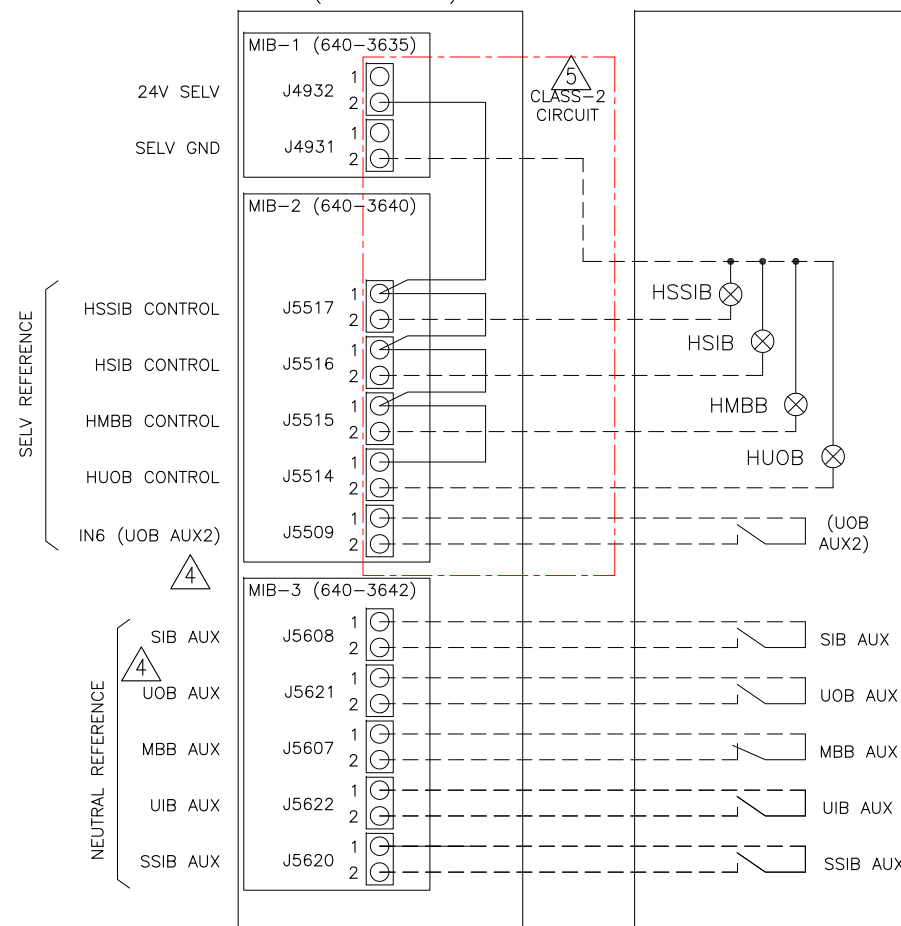


1. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. FOR LATEST REVISION OF BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
- △4. THE UOB MUST INCLUDE TWO SEPARATED AUXILIARY SWITCHES.
- △5. ALL CIRCUITS CONNECTED MUST HAVE THE SAME 0 V REFERENCE.
6. - - - - = CABLES PROVIDED BY OTHERS.
- △7. MBC IS AN ETO (ENGINEER TO ORDER) ITEM.
FOR MBC WITHOUT SSIB CONFIGURATIONS PINS 1, 2, 3, 13 & 14 NOT USED.
FOR MBC WITH SSIB CONFIGURATIONS PINS 1 & 2 NOT USED.

SIGNAL INTERFACE BETWEEN UPS INPUT-OUTPUT CABINET AND THIRD PARTY SYSTEM BYPASS SWITCHGEAR UNIT

Galaxy VX UPS
INPUT-OUTPUT
CABINET
(GVXI1500KD)

THIRD PARTY
SYSTEM BYPASS
SWITCHGEAR UNIT



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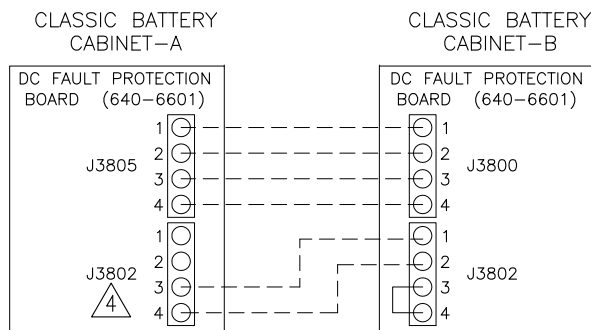
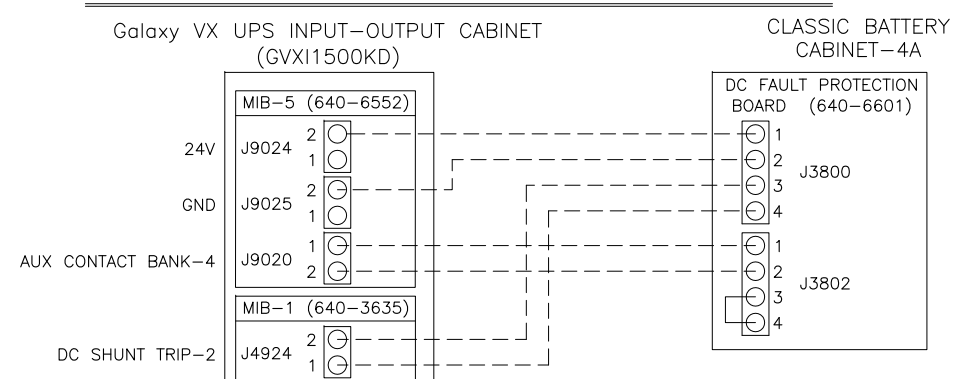
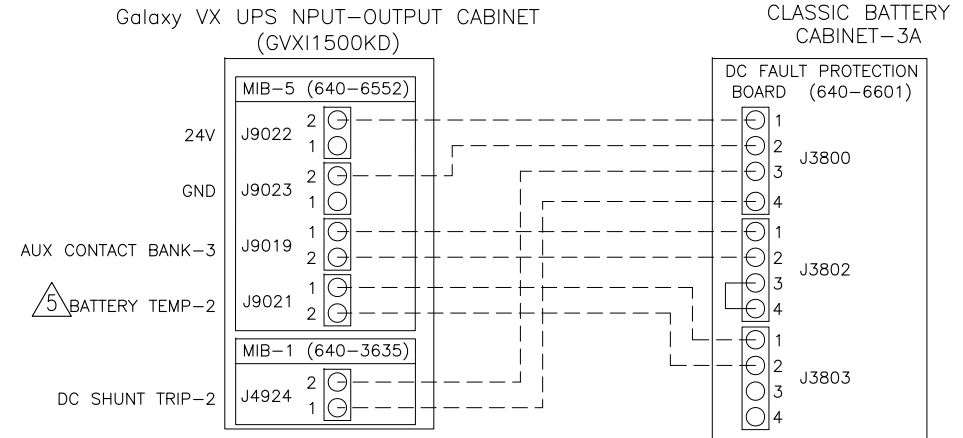
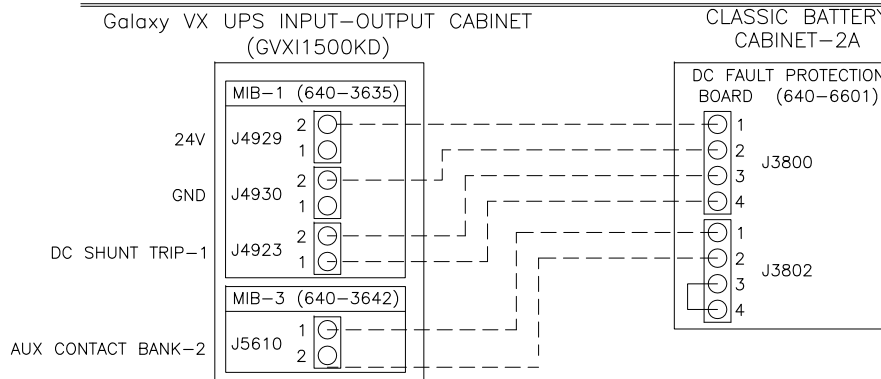
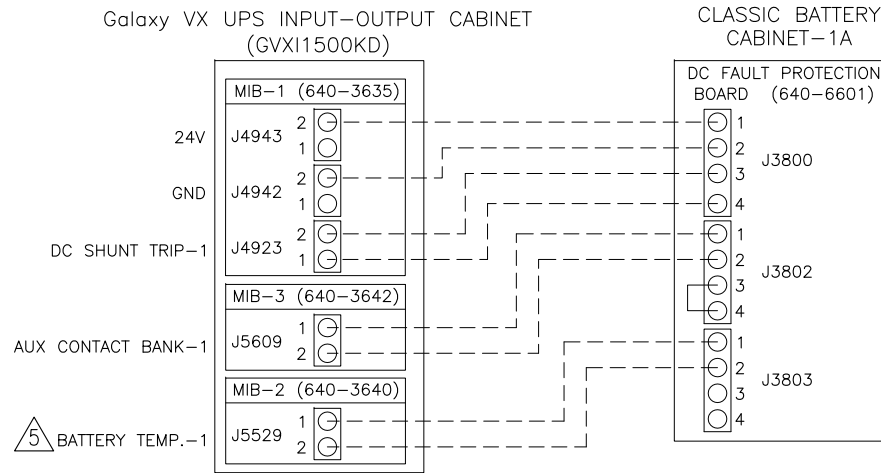
Schneider Electric

TITLE: Galaxy VX SINGLE/PARALLEL
UPS 1000/1250/1500kW
Input 380/400/415V, 3PH, 50Hz, SINGLE/DUAL MAINS
Output 380/400/415V, 3PH, 50Hz
SYSTEM WIRING DIAGRAM (MBC, EPO&3RD PARTY MBC)

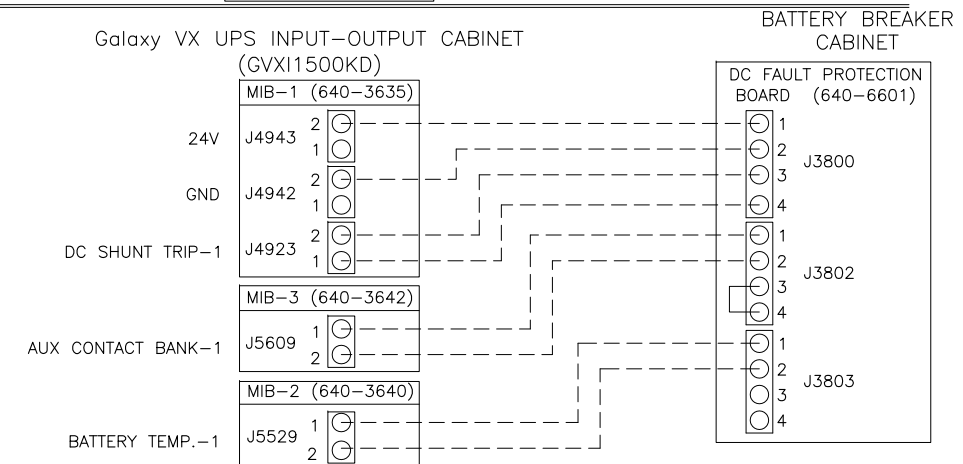
DWG NO: GVX1000K1500H-WD
DRAWN: BALAMURUGAN
ENGINEER: M PAULSEN/D MATHIEU
APPROVED: G S/ H N
31-MAR-17
31-MAR-17
ANGLE PROJECTION: N/A

REV. 2

SIGNAL INTERFACE BETWEEN UPS INPUT-OUTPUT CABINET AND BATTERY SOLUTIONS CABINETS



BATTERY BANK CONFIGURATION				
BATTERY SRTING NUMBER	BANK-1	BANK-2	BANK-3	BANK-4
1	1			
2	1	1		
3	1	1	1	
4	1	1	1	1
5	2	1	1	1
6	2	2	1	1
7	2	2	2	1
8	2	2	2	2



1. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. FOR LATEST REVISION OF BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
- △4. REMOVED THE EXISTING JUMPER BETWEEN TERMINALS 3 AND 4.
- △5. THE TEMPERATURE SENSORS CAN BE INSTALLED IN ANY OF THE CLASSIC BATTERY CABINETS.

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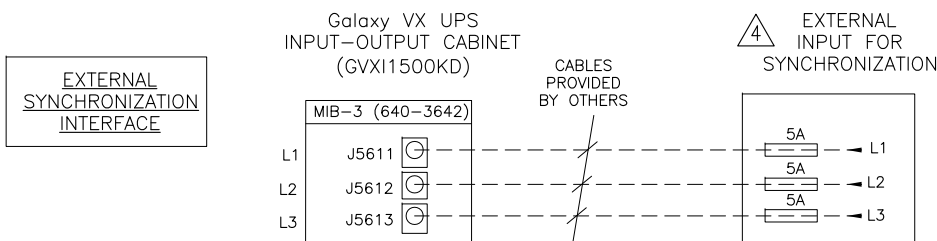
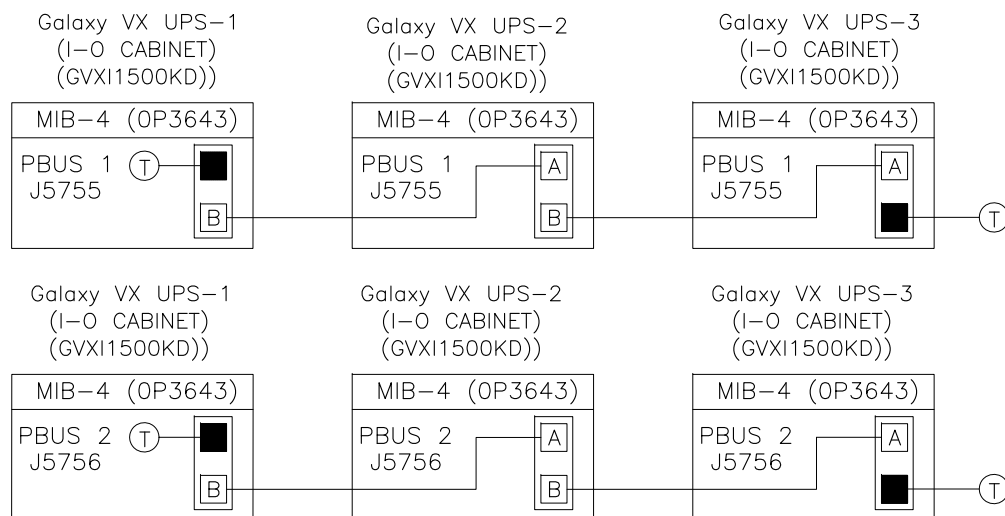
Schneider Electric

TITLE: Galaxy VX SINGLE/PARALLEL UPS 1000/1250/1500kW
Input 380/400/415V, 3PH, 50Hz, SINGLE/DUAL MAINS
Output 380/400/415V, 3PH, 50Hz
SYSTEM WIRING DIAGRAM (BATTERY SOLUTION)

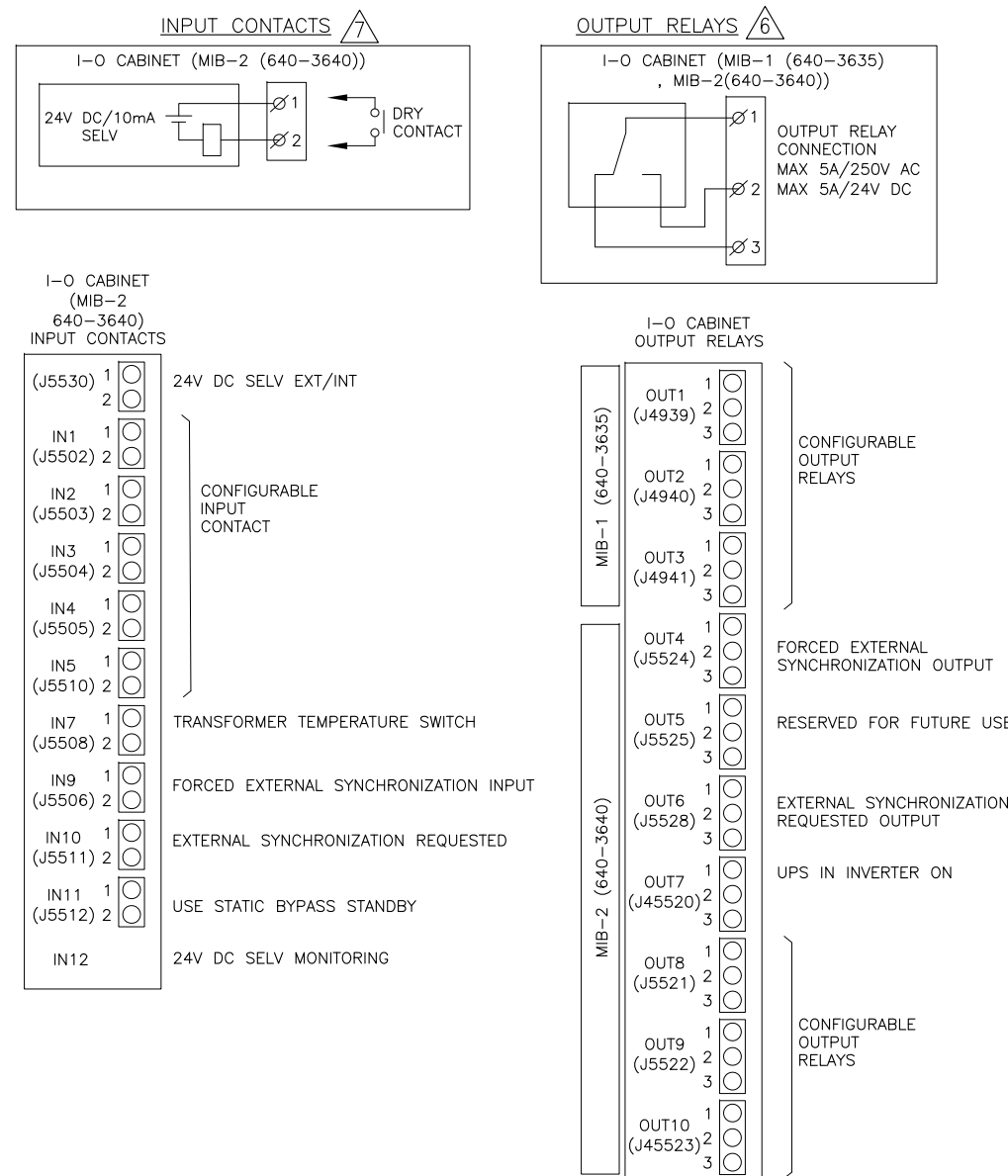
DWG NO: GVX1000K1500H-WD
DRAWN: BALAMURUGAN 16-DEC-16
ENGINEER: M PAULSEN/D MATHIEU 19-DEC-16
APPROVED: G S/ H N 19-DEC-16
REV. 1
ANGLE PROJECTION: N/A

PROJECT: DRAWINGS SHEET 3 OF 5

5 PBUS CABLES BETWEEN PARALLEL UPS UNITS (EXAMPLE SHOWN FOR 3 UNITS)



EQUIPMENT TO INPUT CONTACTS AND OUTPUT RELAYS (IN GVXI1500KD)



1. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. FOR LATEST REVISION OF BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
- △4. THE PHASES FROM THE SYNCHRONIZATION SOURCE MUST BE PROTECTED BY A FUSE OF MAXIMUM 5A.
- △5. PBUS1 CABLES ARE WHITE AND PBUS ARE RED, THE TOTAL LENGTH OF PBUS CABLES MUST NOT EXCEED 60 METERS
- △6. MAX 250V AC 5A MUST BE CONNECTED TO THE OUTPUT RELAYS.
ALL EXTERNAL CIRCUITRY MUST BE FUSED WITH MAXIMUM 5 A FAST ACTING FUSES.
- △7. 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 OV REFERENCE.
COMMON SIGNALING TO THE INPUT CONTACTS MUST BE GALVANICALLY ISOLATED TO AVOID CROSS CURRENTS BETWEEN PARALLEL UPSs. AN EXTERNAL SUPPLY MUST BE CONNECTED TO 640-3640 TERMINAL J5530 AND THE SWITCH SW5500 MUST BE IN CLOSED POSITION (PWR IN 24V DC SELV).

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Schneider Electric

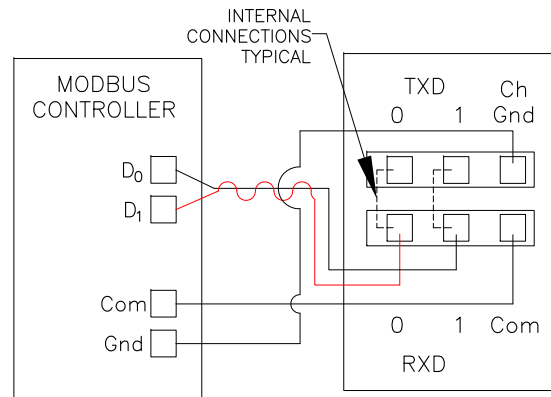
TITLE: Galaxy VX SINGLE/PARALLEL UPS 1000/1250/1500kW
Input 380/400/415V, 3PH, 50Hz, SINGLE/DUAL MAINS
Output 380/400/415V, 3PH, 50Hz
SYSTEM WIRING DIAGRAM (IN-OUT/SYNC/PBUS)

PROJECT: DRAWINGS SHEET 4 OF 5

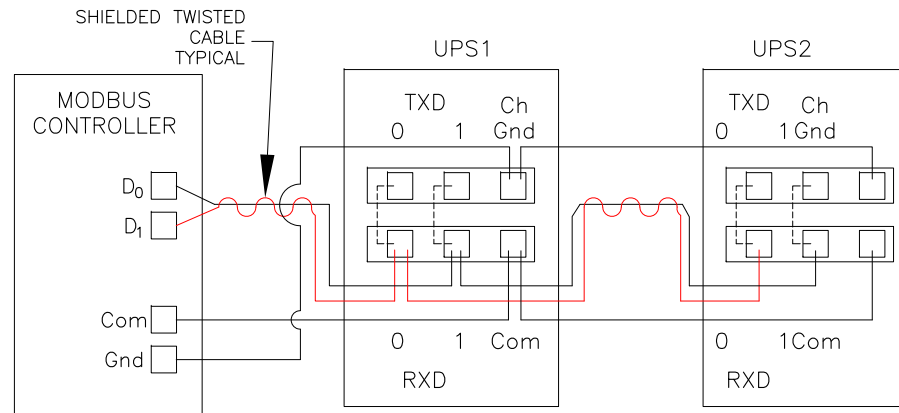
DWG NO: GVX1000K1500H-WD REV. 1
DRAWN: BALAMURUGAN 16-DEC-16
ENGINEER: M PAULSEN/D MATHIEU 19-DEC-16
APPROVED: G S/ H N 19-DEC-16
ANGLE PROJECTION: N/A

MODBUS CONNECTION

2-WIRE CONNECTION WITH SINGLE UPS

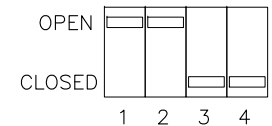


2-WIRE CONNECTION WITH TWO UPSs

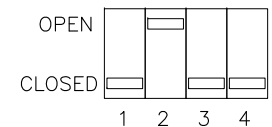


MODBUS DIP SWITCHES SETTING

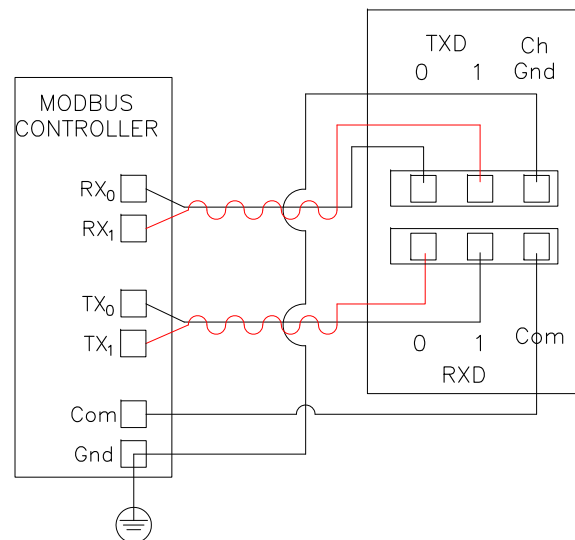
2-WIRE WITHOUT TERMINATION



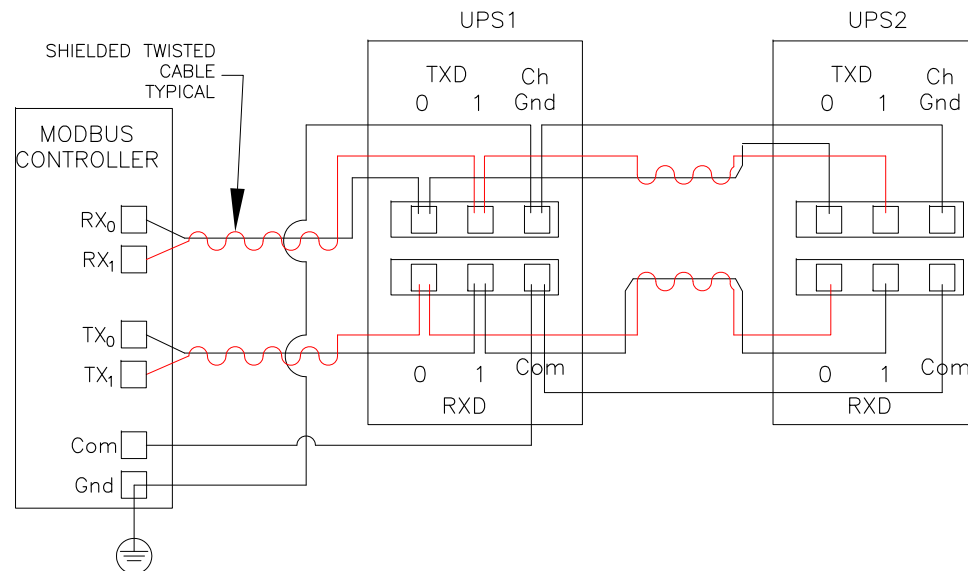
2-WIRE WITH TERMINATION



4-WIRE CONNECTION WITH SINGLE UPS

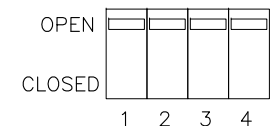


4-WIRE CONNECTION WITH TWO UPSs

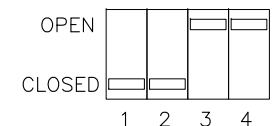


MODBUS DIP SWITCHES SETTING

4-WIRE WITHOUT TERMINATION



4-WIRE WITH TERMINATION



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2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. FOR LATEST REVISION OF BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
- △4. SHIELDED CABLES MUST BE USED FOR MODBUS CONNECTIONS. THE SHIELD CONNECTION TO THE GROUND MUST BE AS SHORT AS POSSIBLE (IDEALLY BELOW 1 cm).

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**Schneider
Electric**

TITLE: Galaxy VX SINGLE/PARALLEL
UPS 1000/1250/1500kW
Input 380/400/415V, 3PH, 50Hz, SINGLE/DUAL MAINS
Output 380/400/415V, 3PH, 50Hz
SYSTEM WIRING DIAGRAM (MODBUS)

PROJECT: DRAWINGS SHEET 5 OF 5

DWG NO: GVX1000K1500H-WD

DRAWN: BALAMURUGAN 16-DEC-16
ENGINEER: M PAULSEN/D MATHIEU 19-DEC-16
APPROVED: G S/ H N 19-DEC-16

REV. 1

ANGLE
PROJECTION:
N/A