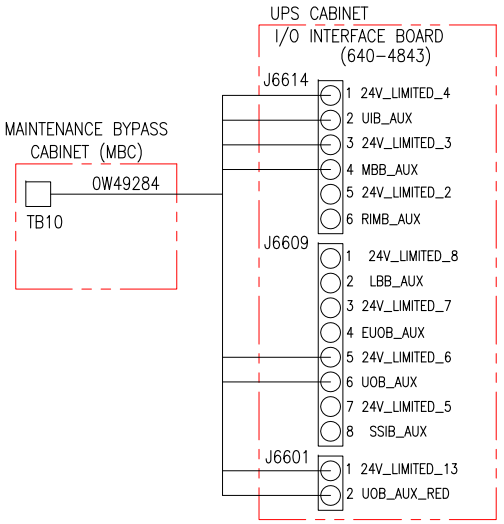
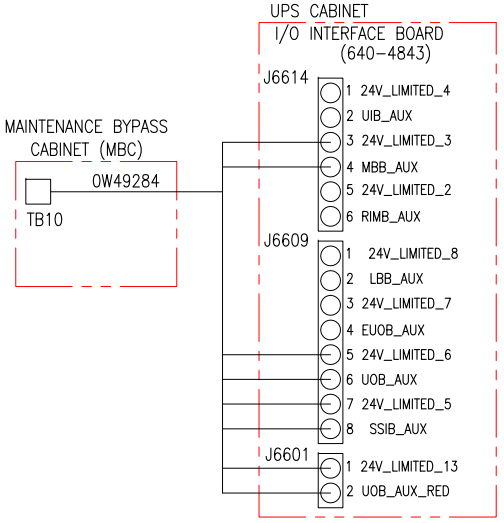
GALAXY VS UPS– MBC WITH IN/OUT XFMR INTERFACE (GVSBPIT25B/GVSBPIT50/GVSBPIT75/GVSBPOT50B/GVSBPOT100/GVSBPOT150)

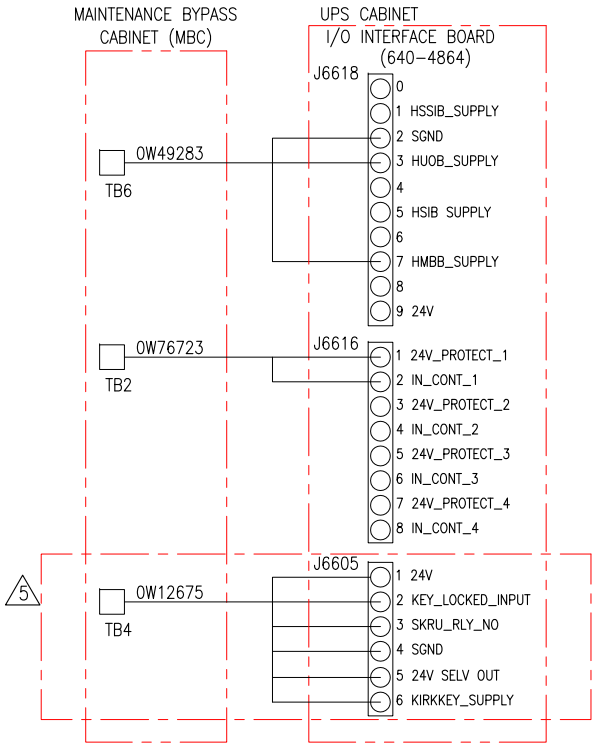
CONNECTION NON–CLASS 2/NON–SELV SIGNAL CABLE (SINGLE MAINS SYSTEM)



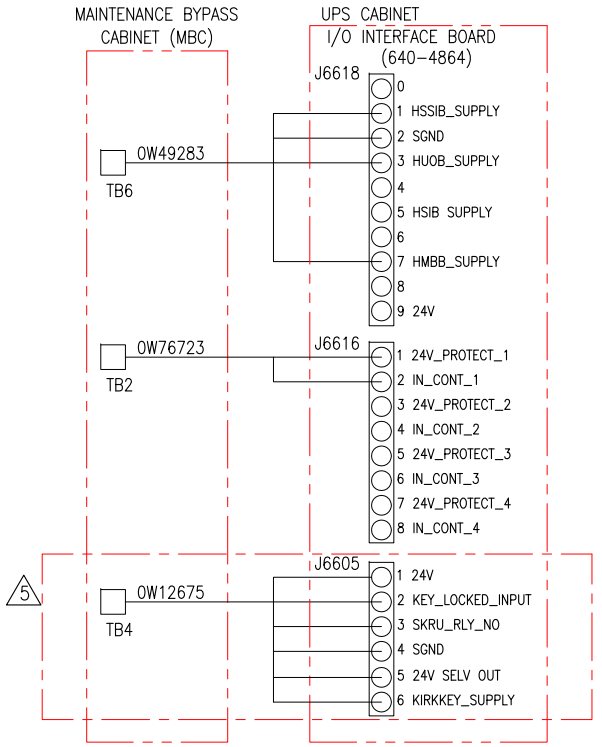
CONNECTION NON–CLASS 2/NON–SELV SIGNAL CABLE (DUAL MAINS SYSTEM)



CONNECTION CLASS 2/SELV SIGNAL CABLES (SINGLE MAINS)



△6 CONNECTION CLASS 2/SELV SIGNAL CABLES (DUAL MAINS)



APPLICABLE MBC WITH INPUT XFMR SKUs FOR VARIOUS UPS(208V) RATINGS		
SKU NUMBER	UPS RATING (kW)	MBC SKU NUMBER
GVSUPS10KFS	10	GVSBPIT25B
GVSUPS15KFS	15	
GVSUPS20KFS	20	
GVSUPS25KFS	25	
GVSUPS30KFS	30	GVSBPIT50
GVSUPS40KFS	40	
GVSUPS50KFS	50	
GVSUPS60KFS	60	GVSBPIT75
GVSUPS75KFS	75	
GVSUPS25K75FS	25kW UPS EXPANDABLE TO 30/40/50/60/75kW (REFER TO ABOVE ROWS AS PER THE EXPANSION)	

APPLICABLE MBC WITH OUTPUT XFMR SKUs FOR VARIOUS UPS(480V) RATINGS		
SKU NUMBER	UPS RATING (kW)	MBC SKU NUMBER
GVSUPS20KGS	20	GVSBPOT50B
GVSUPS30KGS	30	
GVSUPS40KGS	40	
GVSUPS50KGS	50	
GVSUPS60KGS	60	GVSBPOT100
GVSUPS80KGS	80	
GVSUPS100KGS	100	
GVSUPS120KGS	120	GVSBPOT150
GVSUPS150KGS	150	
GVSUPS25K75FS	50kW UPS EXPANDABLE TO 60/80/100/120/150kW (REFER TO ABOVE ROWS AS PER THE EXPANSION)	

CONTENTS IN THIS DRAWING ARE ALSO VALID FOR CORRESPONDING "TAA" SKUs ENDING WITH "US".
EXAMPLE : CONTENTS APPLICABLE FOR "GVSUPS20KGS" ARE VALID FOR "TAA" SKU "GVSUPS20KGSUS" ALSO.

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. APPLICABLE WHILE USING KIRK KEY INTERLOCK OPTION (GVSOPT007).
△6. APPLICABLE ONLY FOR MBC WITH OUTPUT XFMR SKU#GVSBPOT50/GVSBPOT100/GVSBPOT150.
7. ALL INTERFACE CABLES ARE PART OF MBC SKUs.

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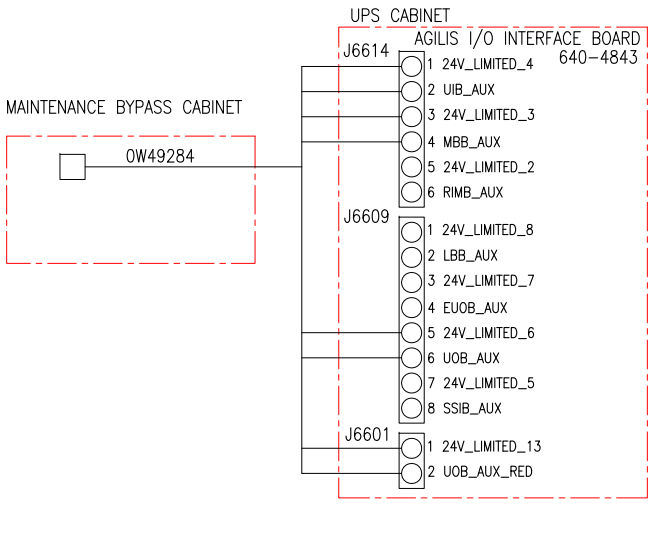
Schneider Electric

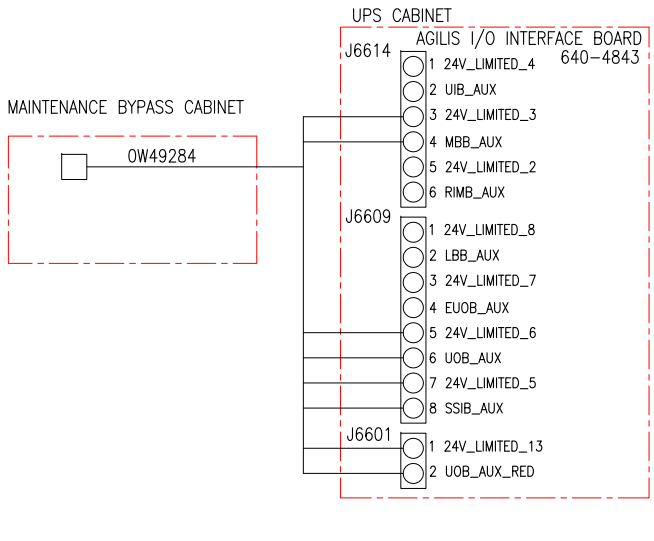
TITLE: GALAXY VS UPS 10–75kW@208V / 20–150kW@480V Input: 208V,3PH,60Hz / Output: 208V,3PH,60Hz Input: 480V,3PH,60Hz / Output: 480V,3PH,60Hz UPS TO MBC w XFMR		DWG NO: GVSUPS10K75F20K150GS–WD	REV. 1
	DRAWN BY: BALA	04–NOV–20	ANGLE PROJECTION
	ENGINEER: C N/ R I	04–NOV–20	N.A
PROJECT: DRAWINGS	APPROVED BY: J L	04–NOV–20	
SHEET 1 OF 6			

GALAXY VS UPS – FLOORMOUNT MBC WITHOUT XFMR INTERFACE (GVSBPSU80G/GVSBPSU150G)

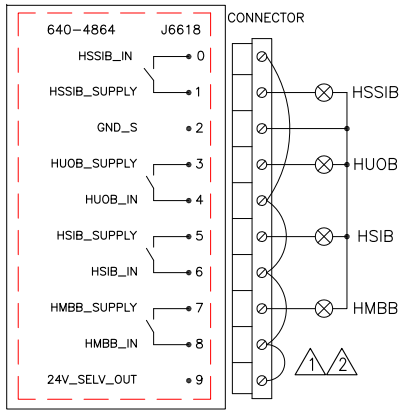
SINGLE MAINS SYSTEM
(non-CLASS 2/non-SELV)



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



INTERFACE BETWEEN UPS AND THIRD-PARTY AUXILIARY PRODUCTS

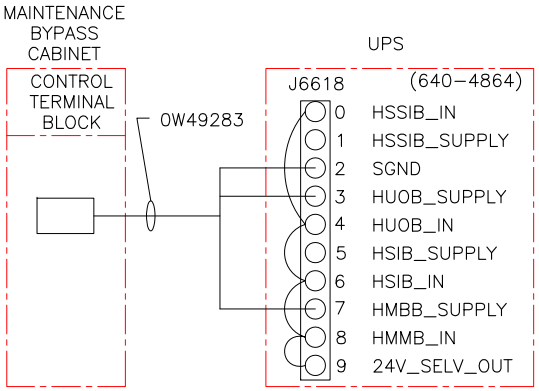


NOTES:

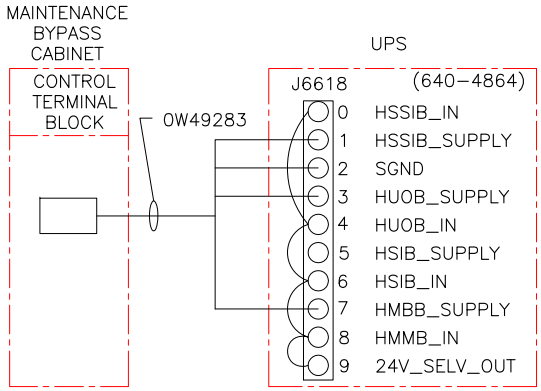
△1. CONNECT SIGNAL CABLES FROM THE BREAKER INDICATOR LIGHTS IN YOUR SWITCHGEAR TO BOARD 640-4864 TERMINAL J6618 IN THE TOP OF THE UPS. IF AN EXTERNAL SUPPLY IS USED, REMOVE JUMPER FROM J6618 BETWEEN PIN 8 AND9 AND DON'T RETURN TO PIN2.

△2. 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.

SINGLE MAINS SYSTEM
(CLASS 2/SELV)



DUAL MAINS SYSTEM
(CLASS 2/SELV)



APPLICABLE FLOORMOUNT MBC SKUs FOR VARIOUS UPS(208V) RATINGS

SKU NUMBER	UPS RATING (kW)	MBC SKU NUMBER WITHOUT XFMR
GVSUPS10KFS	10	GVSBPSU80G
GVSUPS15KFS	15	
GVSUPS20KFS	20	
GVSUPS25KFS	25	
GVSUPS30KFS	30	
GVSUPS40KFS	40	
GVSUPS50KFS	50	GVSBPSU150G
GVSUPS60KFS	60	
GVSUPS75KFS	75	
GVSUPS25K75FS	25kW UPS EXPANDABLE TO 30/40/50/60/75kW (REFER TO ABOVE ROWS AS PER THE EXPANSION)	

APPLICABLE FLOORMOUNT MBC SKUs FOR VARIOUS UPS(480V) RATINGS

SKU NUMBER	UPS RATING (kW)	MBC SKU NUMBER WITHOUT XFMR
GVSUPS20KGS	20	GVSBPSU80G
GVSUPS30KGS	30	
GVSUPS40KGS	40	
GVSUPS50KGS	50	
GVSUPS60KGS	60	
GVSUPS80KGS	80	
GVSUPS100KGS	100	GVSBPSU150G
GVSUPS120KGS	120	
GVSUPS150KGS	150	
GVSUPS25K75FS	50kW UPS EXPANDABLE TO 60/80/100/120/150kW (REFER TO ABOVE ROWS AS PER THE EXPANSION)	

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. ALL INTERFACE CABLES ARE PART OF MBC SKUs.

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Schneider Electric

TITLE: GALAXY VS
UPS 10-75kW@208V / 20-150kW@480V
Input: 208V,3PH,60Hz / Output: 208V,3PH,60Hz
Input: 480V,3PH,60Hz / Output: 480V,3PH,60Hz
UPS TO WALLMOUNT MBC

DWG NO: GVSUPS10K75F20K150GS-WD REV: 0

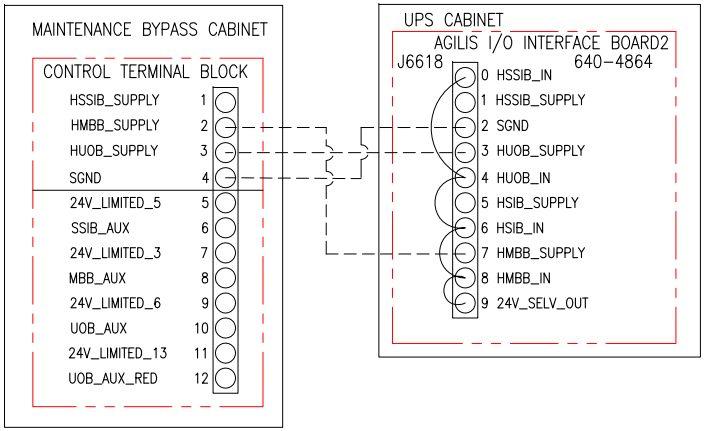
DRAWN BY:	BALA	9-JUL-20
ENGINEER:	C N/ R I	23-JUL-20
APPROVED BY:	J L	23-JUL-20

PROJECT: DRAWINGS SHEET 2 OF 6

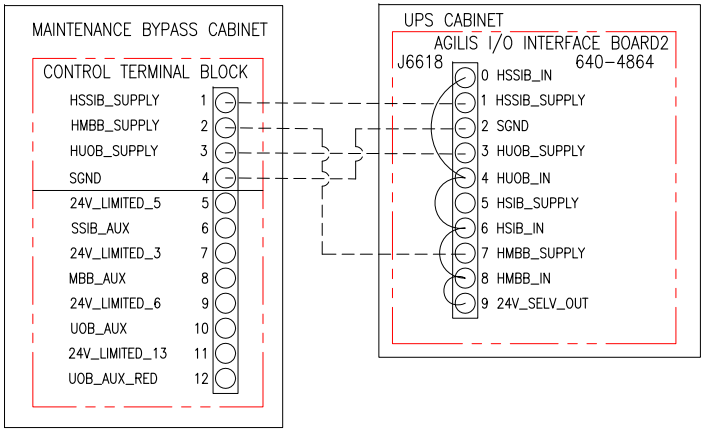
ANGLE PROJECTION N.A

GALAXY VS UPS – WALLMOUNT MBC WITHOUT XFMR INTERFACE (GVSBPSU60G–WP / GVSBPSU100G–WP)

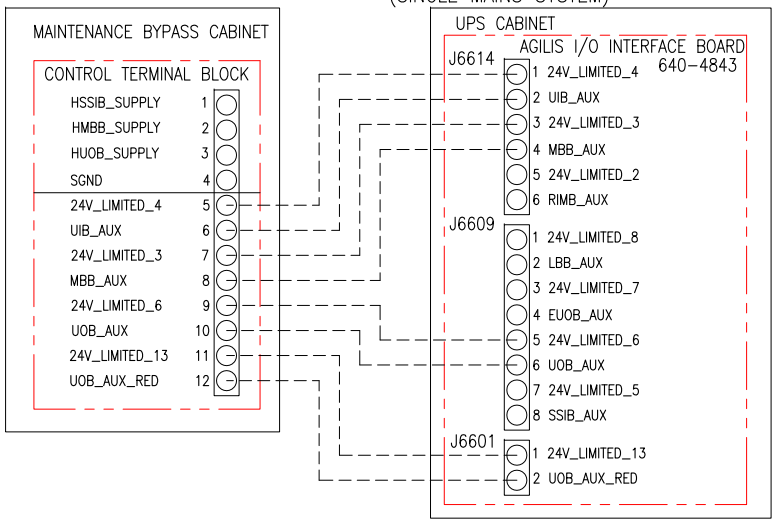
CONNECTION CLASS 2/SELV SIGNAL CABLE (SINGLE MAINS SYSTEMS)



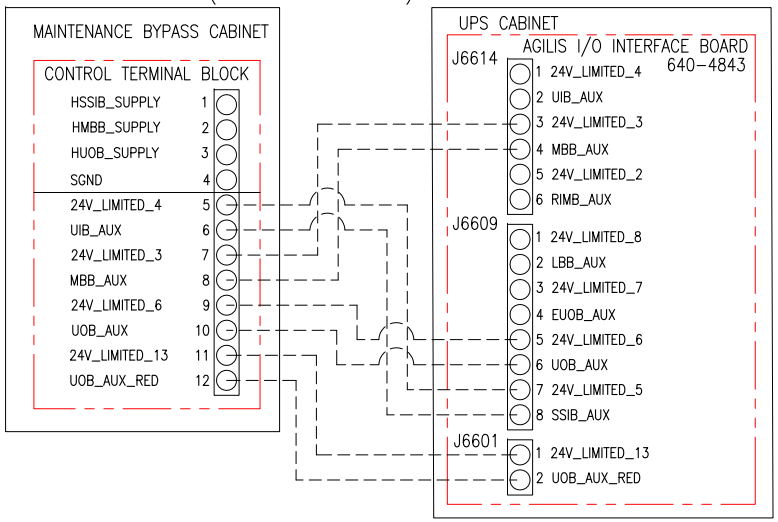
CONNECTION CLASS 2/SELV SIGNAL CABLE (DUAL MAINS SYSTEMS)



CONNECTION NON–CLASS 2/NON–SELV SIGNAL CABLE (SINGLE MAINS SYSTEM)



CONNECTION NON–CLASS 2/NON–SELV SIGNAL CABLE (DUAL MAINS SYSTEM)



APPLICABLE WALLMOUNT MBC SKUs FOR VARIOUS UPS(208V) RATINGS		
SKU NUMBER	UPS RATING (kW)	MBC SKU NUMBER WITHOUT XFMR
GVSUPS10KFS	10	GVSBPSU60G–WP
GVSUPS15KFS	15	
GVSUPS20KFS	20	
GVSUPS25KFS	25	
GVSUPS30KFS	30	
GVSUPS40KFS	40	GVSBPSU100G–WP
GVSUPS50KFS	50	
GVSUPS60KFS	60	N A
GVSUPS75KFS	75	
GVSUPS25K75FS	25kW UPS EXPANDABLE TO 30/40/50/60/75kW (REFER TO ABOVE ROWS AS PER THE EXPANSION)	

APPLICABLE WALLMOUNT MBC SKUs FOR VARIOUS UPS(480V) RATINGS		
SKU NUMBER	UPS RATING (kW)	MBC SKU NUMBER WITHOUT XFMR
GVSUPS20KGS	20	GVSBPSU60G–WP
GVSUPS30KGS	30	
GVSUPS40KGS	40	
GVSUPS50KGS	50	
GVSUPS60KGS	60	
GVSUPS80KGS	80	GVSBPSU100G–WP
GVSUPS100KGS	100	
GVSUPS120KGS	120	N A
GVSUPS150KGS	150	
GVSUPS25K75FS	50kW UPS EXPANDABLE TO 60/80/100/120/150kW (REFER TO ABOVE ROWS AS PER THE EXPANSION)	

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. ------ = ALL INTERFACE CABLES ARE PROVIDED BY OTHERS.

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Schneider Electric

TITLE: GALAXY VS
UPS 10–75kW@208V / 20–150kW@480V
Input: 208V,3PH,60Hz / Output: 208V,3PH,60Hz
Input: 480V,3PH,60Hz / Output: 480V,3PH,60Hz
UPS TO FLOORMOUNT MBC/3RD PARTY MBC

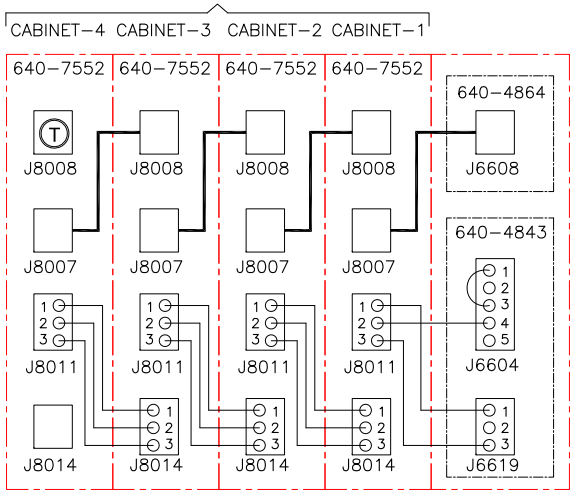
DWG NO: GVSUPS10K75F20K150GS–WD REV. 0

DRAWN BY:	BALA	9–JUL–20
ENGINEER:	C N/ R I	23–JUL–20
APPROVED BY:	J L	23–JUL–20

PROJECT: DRAWINGS SHEET 3 OF 6

ANGLE PROJECTION N.A

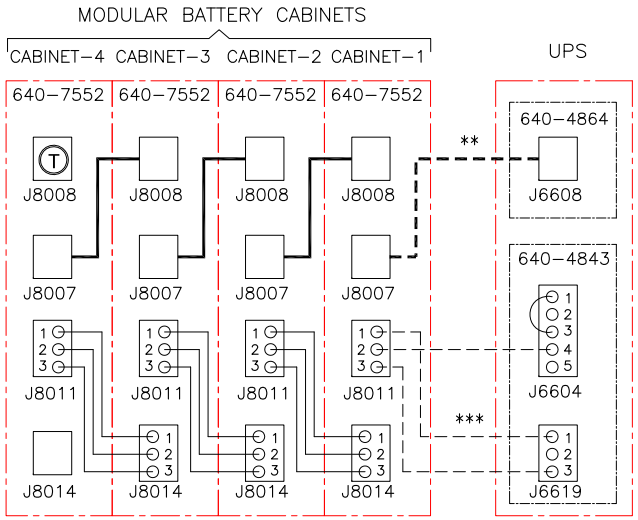
UPS WITH ADJACENT MODULAR BATTERY CABINETS △4 △5



FOR Li–Ion BATTERY SOLUTION REFER TO NOTE–8 △8

APPLICABLE NUMBER OF MODULAR BATTERY CABINETS (ModBC) (GVSMODBC6) FOR 480V UPS		
SKU NUMBER	UPS RATING (kW)	MINIMUM– MAXIMUM NUMBER OF CABINETS (GVSMODBC6) (BREAKER–150A 3POLE, JDF36150– MAKE: SCHNEIDER ELECTRIC)
GVSUPS20KGS	20	1 – 4
GVSUPS30KGS	30	1 – 4
GVSUPS40KGS	40	1 – 4
GVSUPS50KGS	50	1 – 4
GVSUPS60KGS	60	2 – 4
GVSUPS80KGS	80	2 – 4
GVSUPS100KGS	100	2 – 4
GVSUPS120KGS	120	3 – 4
GVSUPS150KGS	150	3 – 4
GVSUPS50K150GS	50KW UPS EXPANDABLE TO 60/80/100/120/150KW (REFER TO THE RESPECTIVE ROW BASED ON THE EXPANSION)	

UPS WITH REMOTE MODULAR BATTERY CABINETS △4



APPLICABLE NUMBER OF MODULAR BATTERY CABINETS (ModBC) (GVSMODBC6) FOR 208V UPS		
SKU NUMBER	UPS RATING (kW)	MINIMUM– MAXIMUM NUMBER OF CABINETS (GVSMODBC6) (BREAKER–150A 3POLE, JDF36150– MAKE: SCHNEIDER ELECTRIC)
GVSUPS10KFS	10	1 – 4
GVSUPS15KFS	15	1 – 4
GVSUPS20KFS	20	1 – 4
GVSUPS25KFS	25	1 – 4
GVSUPS30KFS	30	1 – 4
GVSUPS40KFS	40	1 – 4
GVSUPS50KFS	50	1 – 4
GVSUPS60KFS	60	2 – 4
GVSUPS75KFS	75	2 – 4
GVSUPS25K75FS	25KW UPS EXPANDABLE TO 30/40/50/60/75KW (REFER TO THE RESPECTIVE ROW BASED ON THE EXPANSION)	

** 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.

NOTE:–

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. FOR LATEST BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
4. INTERFACE CABLES BETWEEN BATTERY CABINETS ARE PART OF BATTERY CABINET SKU.

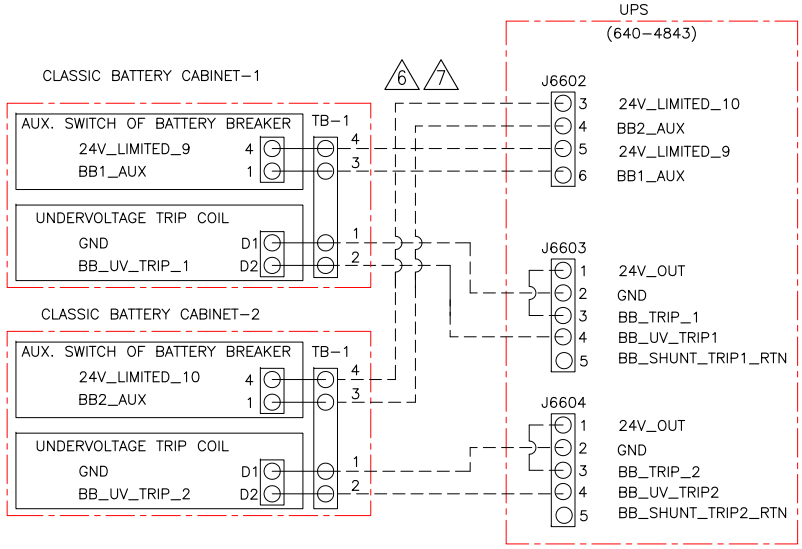
△5. INTERFACE CABLES BETWEEN BATTERY CABINET AND UPS IS PART OF OPTIONAL CABLE KIT GVSOPT030.

△6. ------ = CABLES PROVIDED BY SCHNEIDER ELECTRIC FOR ADJACENT CONFIGURATION, PROVIDED BY OTHERS FOR REMOTE CONFIGURATION.

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

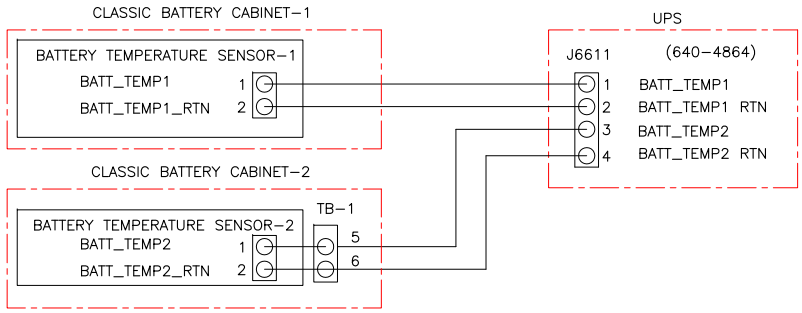
△8. FOR DETAILS OF SKU# LIBSMG95EUL–OR –LIBSMG95EUL1PH, REFER TO DRAWING #LIBSMG95EUL1PH–LIBSMG95EUL–GVS–GA.

INTERFACE UPS TO 1 OR 2 BATTERY CABINETS (GVSCBT1/GVSCBT2/GVSCBT3/GVSCBT4/GVSCBT5/ GVSCBTST1/GVSCBTST2/GVSCBTST3/GVSCBTST4/GVSCBTST5)



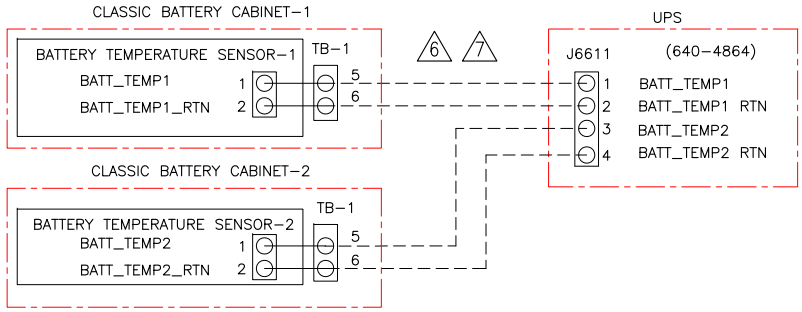
APPLICABLE NUMBER OF CLASSICAL BATTERY CABINETS (CBC) FOR 480V UPS							
SKU NUMBER	UPS RATING (kW)	(MINIMUM–MAXIMUM NUMBER OF APPLICABLE BATTERY CABINETS)					
		GVSCBT1/ GVSCBT1ST	GVSCBT2/ GVSCBT2ST	GVSCBT3/ GVSCBT3ST	GVSCBT4/ GVSCBT4ST	GVSCBT5/ GVSCBT5ST	
GVSUPS20KGS	20	1–2	1–2	1–2	1–2	1–2	
GVSUPS30KGS	30	1–2	1–2	1–2	1–2	1–2	
GVSUPS40KGS	40	1–2	1–2	1–2	1–2	1–2	
GVSUPS50KGS	50	NA	1–2	1–2	1–2	1–2	
GVSUPS60KGS	60	NA	1–2	1–2	1–2	1–2	
GVSUPS80KGS	80	NA	NA	NA	1–2	1–2	
GVSUPS100KGS	100	NA	NA	NA	1–2	1–2	
GVSUPS120KGS	120	NA	NA	NA	NA	NA	
GVSUPS150KGS	150	NA	NA	NA	NA	NA	
GVSUPS50K150GS	50KW UPS EXPANDABLE TO 60/80/100/120/150KW (REFER TO THE RESPECTIVE ROW BASED ON THE EXPANSION)						

BATTERY TEMPERATURE SENSOR INTERFACE FOR ADJACENT CONFIGURATION



APPLICABLE NUMBER OF CLASSICAL BATTERY CABINETS (CBC) FOR 208V UPS							
SKU NUMBER	UPS RATING (kW)	(MINIMUM–MAXIMUM NUMBER OF APPLICABLE BATTERY CABINETS)					
		GVSCBT1/ GVSCBT1ST	GVSCBT2/ GVSCBT2ST	GVSCBT3/ GVSCBT3ST	GVSCBT4/ GVSCBT4ST	GVSCBT5/ GVSCBT5ST	
GVSUPS10KFS	10	1–2	1–2	1–2	1–2	1–2	
GVSUPS15KFS	15	1–2	1–2	1–2	1–2	1–2	
GVSUPS20KFS	20	1–2	1–2	1–2	1–2	1–2	
GVSUPS25KFS	25	1–2	1–2	1–2	1–2	1–2	
GVSUPS30KFS	30	1–2	1–2	1–2	1–2	1–2	
GVSUPS40KFS	40	1–2	1–2	1–2	1–2	1–2	
GVSUPS50KFS	50	1–2	1–2	1–2	1–2	1–2	
GVSUPS60KFS	60	NA	NA	NA	NA	NA	
GVSUPS75KFS	75	NA	NA	NA	NA	NA	
GVSUPS25K75FS	25KW UPS EXPANDABLE TO 30/40/50/60/75KW (REFER TO THE RESPECTIVE ROW BASED ON THE EXPANSION)						

BATTERY TEMPERATURE SENSOR INTERFACE FOR REMOTE CONFIGURATION



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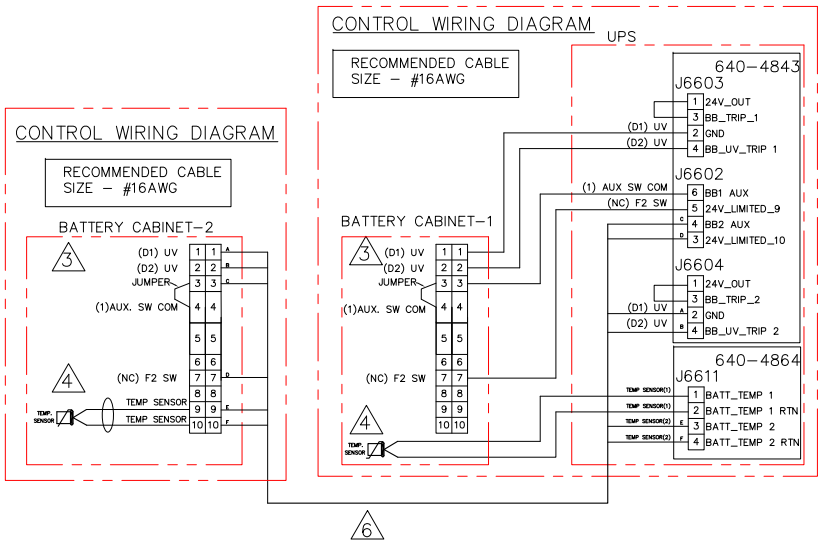
Schneider Electric

TITLE:	GALAXY VS UPS 10–75kW@208V / 20–150kW@480V Input: 208V,3PH,60Hz / Output: 208V,3PH,60Hz Input: 480V,3PH,60Hz / Output: 480V,3PH,60Hz UPS TO MODULAR/CLASSIC BATTERY CABINET	DWG NO:	GVSUPS10K75F20K150GS–WD
		REV.	1
PROJECT: DRAWINGS	SHEET 4 OF 6	DRAWN BY: BALA	9–OCT–20
		ENGINEER: C N/ R I	9–OCT–20
		APPROVED BY: J L	9–OCT–20
		ANGLE PROJECTION	N.A

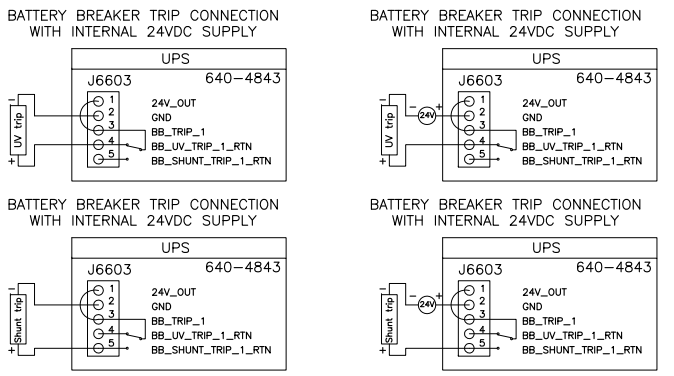
INTERFACE UPS TO 2 BATTERY CABINETS (GVSCBT6/GVSCBT7 ORGVSCBT6ST/GVSCBT7ST)



APPLICABLE NUMBER OF CLASSICAL BATTERY CABINETS (CBC) FOR 480V UPS			
SKU NUMBER	UPS RATING (kW)	(MINIMUM– MAXIMUM NUMBER OF APPLICABLE BATTERY CABINETS)	
		GVSCBT6ST	GVSCBT7ST
GVSUPS20KGS	20	1–5	NA
GVSUPS30KGS	30	1–5	NA
GVSUPS40KGS	40	1–2	NA
GVSUPS50KGS	50	1–5	NA
GVSUPS60KGS	60	1–5	NA
GVSUPS80KGS	80	1–5	NA
GVSUPS100KGS	100	1–5	NA
GVSUPS120KGS	120	NA	1–5
GVSUPS150KGS	150	NA	1–5
GVSUPS50K150GS	50KW UPS EXPANDABLE TO 60/80/100/120/150KW (REFER TO THE RESPECTIVE ROW BASED ON THE EXPANSION)		

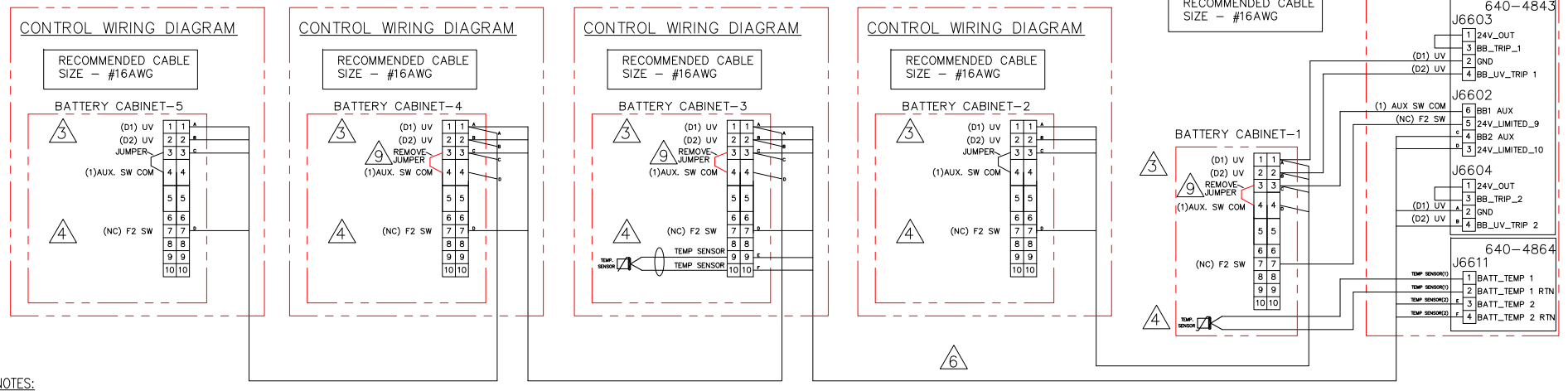
APPLICABLE NUMBER OF CLASSICAL BATTERY CABINETS (CBC) FOR 208V UPS			
SKU NUMBER	UPS RATING (kW)	(MINIMUM– MAXIMUM NUMBER OF APPLICABLE BATTERY CABINETS)	
		GVSCBT6ST	GVSCBT7ST
GVSUPS10KFS	10	1–5	NA
GVSUPS15KFS	15	1–5	NA
GVSUPS20KFS	20	1–5	NA
GVSUPS25KFS	25	1–5	NA
GVSUPS30KFS	30	1–5	NA
GVSUPS40KFS	40	1–5	NA
GVSUPS50KFS	50	1–5	NA
GVSUPS60KFS	60	NA	1–5
GVSUPS75KFS	75	NA	1–5
GVSUPS25K75FS	25KW UPS EXPANDABLE TO 30/40/50/60/75KW (REFER TO THE RESPECTIVE ROW BASED ON THE EXPANSION)		

INTERFACE BETWEEN UPS AND THIRD PARTY BATTERY CABINETS



NOTES:
1. CURRENT, TIME AND TEMPERATURE DETAILS FOR VARIOUS SUPPORTED SHUNT REFER TO INSTALLATION MANUAL.
2. INTERFACE CABLES PROVIDED BY OTHERS.

INTERFACE UPS TO 3–5 BATTERY CABINETS (GVSCBT6/GVSCBT7 ORGVSCBT6ST/GVSCBT7ST)



NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
△3. POWER AND CONTROL CABLES ARE PROVIDED FOR UPS WITH ADJACENT BATTERY CABINET INSTALLATION (ON LEFT SIDE OF UPS CABINET).
△4. TEMPERATURE SENSOR 0M–1160 IS SUPPLIED WITH THE UPS CABINET.
△5. STRING DISCONNECT CABLES ARE REMOVED FROM EACH SHELF PRIOR TO SHIPMENT. RE–CONNECT PRIOR TO CABINET INSTALLATION. TORQUE CABLES TO BATTERY MANUFACTURER'S SPECIFICATION.
△6. ADJACENT BATTERY CABINET–3 INSTALLATION REQUIRES OPTIONAL CABLE KIT "GVSOPT028" FOR CONNECTION TO UPS. DISCARD PRE–INSTALLED POWER AND COMMUNICATION CABLES. ADDITIONAL TEMPERATURE SENSOR 0J–0M–1160 REQUIRED.
7. BATTERY CABINET–1 AND BATTERY CABINET–3 EACH CONNECT DIRECTLY TO THE UPS CABINET.
△8. REMOTE BATTERY CABLES PROVIDED BY OTHERS.
△9. REMOVE THIS JUMPER FOR THREE BATTERY CABINETS CONFIGURATION

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Schneider Electric

TITLE: GALAXY VS
UPS 10–75kW@208V / 20–150kW@480V
Input: 208V,3PH,60Hz / Output: 208V,3PH,60Hz
Input: 480V,3PH,60Hz / Output: 480V,3PH,60Hz
UPS TO CLASSIC BATTERY CABINET

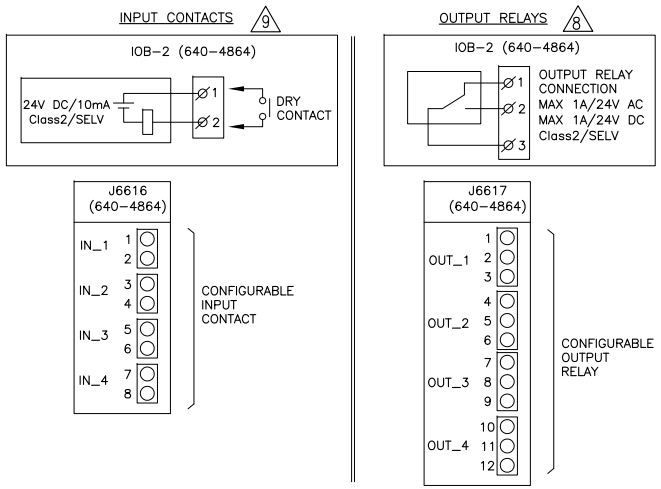
PROJECT: DRAWINGS | SHEET 5 OF 6

DWG NO: GVSUPS10K75F20K150GS–WD | REV. 0

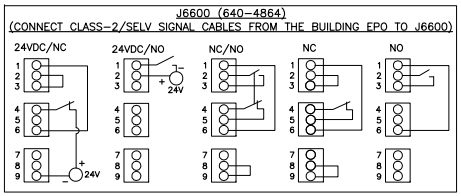
DRAWN BY:	BALA	9–JUL–20
ENGINEER:	C N/ R I	23–JUL–20
APPROVED BY:	J L	23–JUL–20

ANGLE PROJECTION N.A

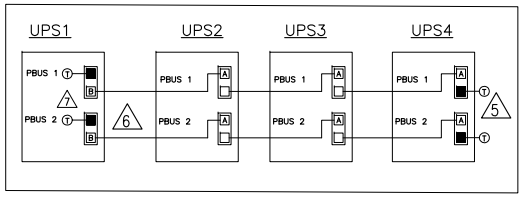
EQUIPMENT TO INPUT CONTACTS AND OUTPUT RELAYS (IN UPS)



EMERGENCY POWER OFF (EPO) CONFIGURATIONS (IN UPS) 7

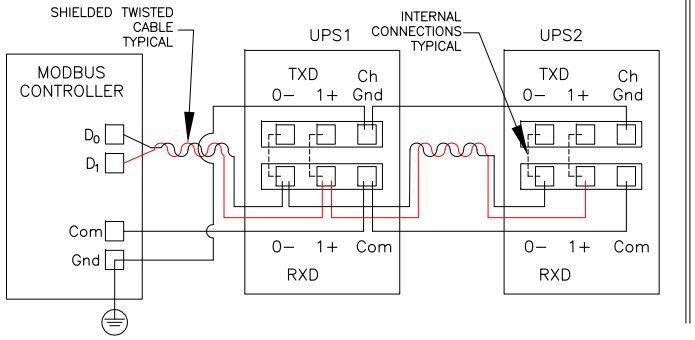


PBUS CONNECTIONS (GVSOPT006)

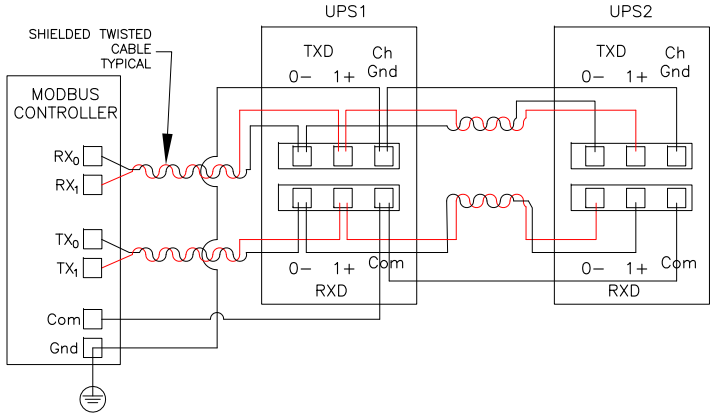


MODBUS INTERFACE DETAILS

2-WIRE CONNECTION WITH TWO UPSs

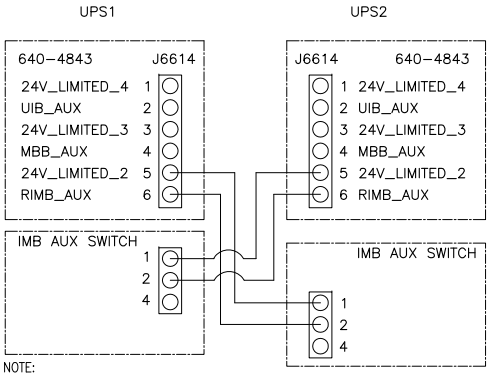


4-WIRE CONNECTION WITH TWO UPSs



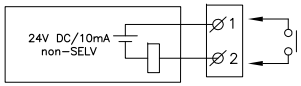
NOTES:
1. THE SHIELD CONNECTION TO THE GROUND MUST BE AS SHORT AS POSSIBLE (IDEALLY BELOW 1CM). THE SHIELD MUST BE CONNECTED TO EACH DEVICE.
2. ROUTE SIGNAL CABLES SEPARATELY FROM POWER CABLES TO ENSURE SUFFICIENT ISOLATION.
3. THE MODBUS PORT IS OPTICALLY ISOLATED. THE GROUND OF THE MODBUS PORT IS NOT 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)



NOTE:
1. INTERFACE CABLES (LENGTH: 25 METERS) BETWEEN MAINTENANCE UPSs CAN BE ORDERED FROM THE OPTION SKU GVSOPT006 (1 KIT REQUIRED FOR 2 UPSs).

NON-SELV INTERFACE UPS(640-4843) TO THIRD PARTY SWITCHGEAR



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

J6603 (BB_TRIP1)
1 24V_OUT
2 GND
3 BB_TRIP_1
4 BB_UV_TRIP_1_RTN
5 BB_SHUNT_TRIP_1_RTN

J6604 (BB TRIP2)
1 24V_OUT
2 GND
3 BB_TRIP_2
4 BB_UV_TRIP_2_RTN
5 BB_SHUNT_TRIP_2_RTN

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

J6614 (UIB)
1 24V_LIMITED_4
2 UIB_AUX
3 24V_LIMITED_3
4 MBB_AUX
5 24V_LIMITED_2
6 RIMB_AUX

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. TERMINATORS MUST BE INSTALLED & POSITIONED AS ADDRESSED IN INSTALLATION MANUAL.
△6. OPTIONAL CAT5 PBUS CABLES 82 FEET [25 METERS](SKU# GVSOPT006) SHALL BE INSTALLED IN SEPARATE CONDUITS.
△7. DO NOT CONNECT ANY CIRCUIT TO THE EPO TERMINAL BLOCK UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS 2/SELV. ALL CIRCUITS CONNECTED MUST HAVE THE SAME 0V REFERENCE.
△8. 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.
△9. 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. COMMON SIGNALING TO THE INPUT CONTACTS MUST BE GALVANICALLY ISOLATED TO AVOID CROSS CURRENTS BETWEEN PARALLEL UPSs.

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Schneider Electric

TITLE:	GALAXY VS UPS 10-75kW@208V / 20-150kW@480V Input: 208V,3PH,60Hz / Output: 208V,3PH,60Hz Input: 480V,3PH,60Hz / Output: 480V,3PH,60Hz UPS COMMUNICATION INTERFACE
DWG NO:	GVSUPS10K75F20K150GS-WD
REV.	0
DRAWN BY:	BALA 9-JUL-20
ENGINEER:	C N/ R I 23-JUL-20
APPROVED BY:	J L 23-JUL-20
PROJECT:	DRAWINGS
SHEET	6 OF 6
ANGLE PROJECTION	N.A