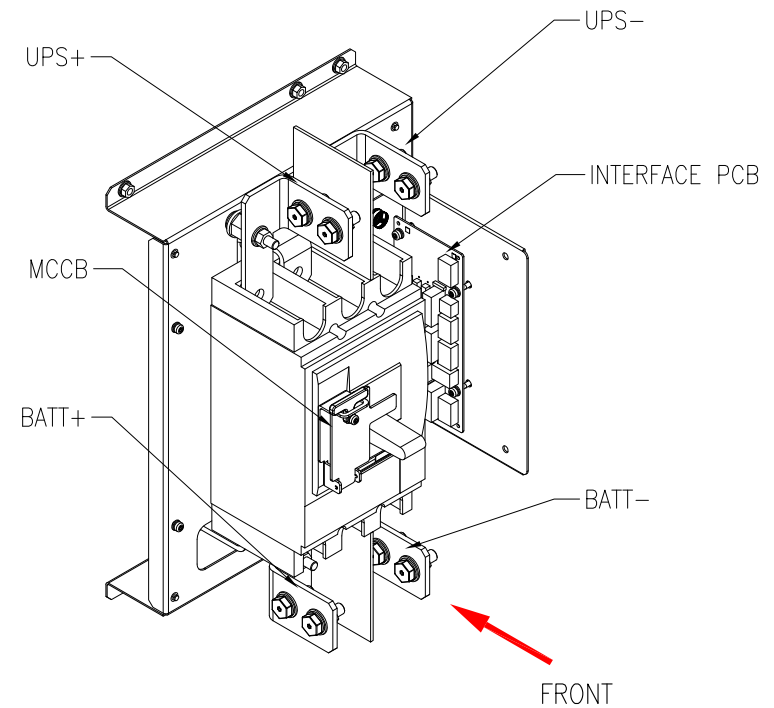


EXTERNAL ISOMETRIC VIEW



INTERNAL ISOMETRIC VIEW
(FRONT COVERS NOT SHOWN)

SPECIFICATIONS:

Circuit breaker	LV438518 (NSX630S DC MP1 3P). Frame Rating: 550A	
Maximum configuration	1 hour of runtime for a 200 kVA system	
Battery Type	Lead-acid	
Maximum short circuit level at end of discharge (A)	960	
Maximum short circuit level (kA)	35	

Trip Settings for Breaker		
Im (A)	160 kVA	200 kVA
	Low setting (800A)	Low setting (800A)

APPLICATION DETAILS:

IEC BBB SKU	UPS Rating With Runtime	
	160kVA	200kVA
	<1 hour	<1hour
GVMBBB630EL	1	1

NOTES:

1. INSTALLATION SHALL 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.

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Schneider Electric

TITLE: GALAXY – VM
BATTERY BREAKER KIT 630EL
ISOMETRIC VIEWS

DWG NO: GVMBBK630EL

REV. 0

DRAWN: BALAMURUGAN 19-DEC-14

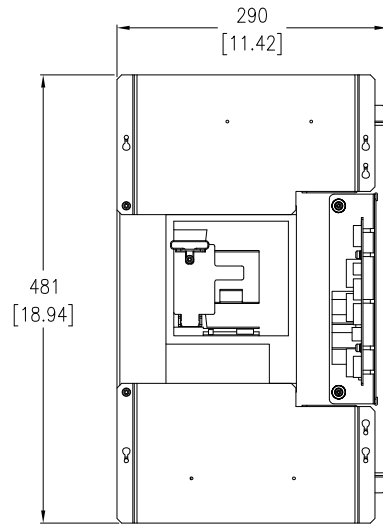
ENGINEER: BH/WZ/MP/CA 09-JAN-15

APPROVED: CG/SM/HB/LS/MG/MW 09-JAN-15

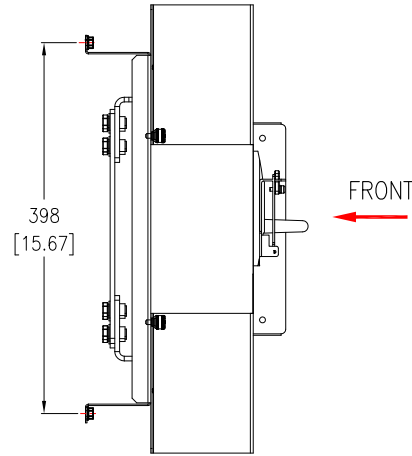
PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 3

FIRST
ANGLE
PROJECTION

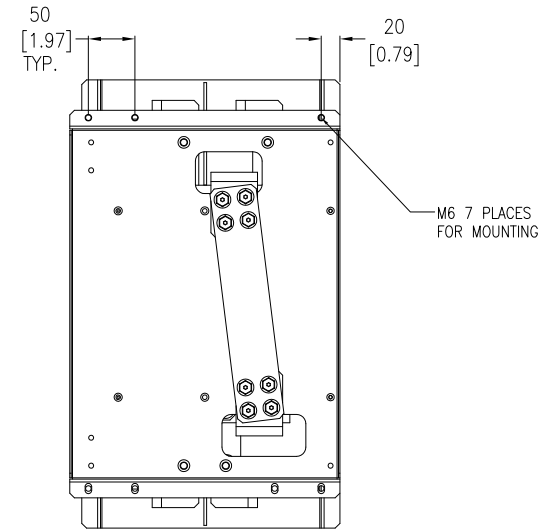
EXTERNAL VIEWS



FRONT VIEW

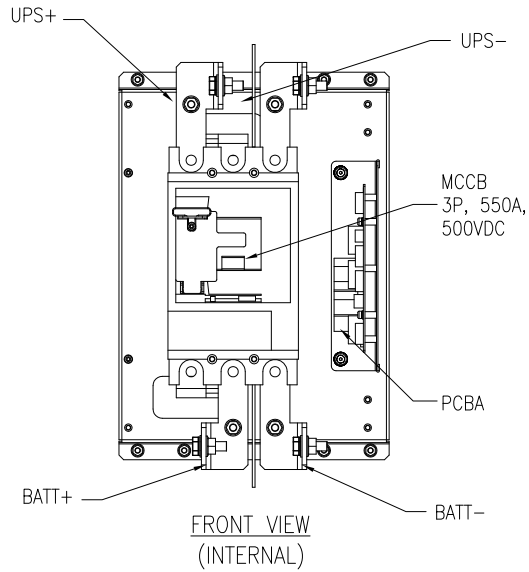


LEFT SIDE VIEW

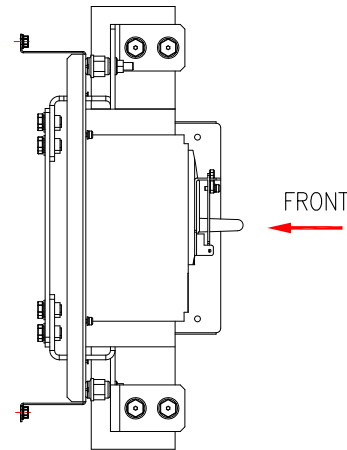


REAR VIEW

INTERNAL VIEWS

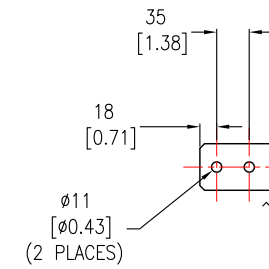


FRONT VIEW
(INTERNAL)



LEFT SIDE VIEW
(INTERNAL)

BUSBAR DETAILS



BATTERY/UPS-INPUT/OUTPUT BUSBAR
5 [0.20] Thick

NOTES:

1. INSTALLATION SHALL 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. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
4. FRONT ACCESS REQUIRED FOR SERVICE.
5. ALL DIMENSIONS EXCLUDES SCREW PROJECTIONS OUTSIDE THE ENCLOSURE.
6. THE WEIGHT OF THE UNIT IS 12 kg [26.46 lb].

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Schneider Electric

TITLE: GALAXY - VM
BATTERY BREAKER KIT 630EL
GENERAL ARRANGEMENT & INTERNAL DETAILS

PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 3

DWG NO: GVMBBK630EL

DRAWN: BALAMURUGAN	19-DEC-14	FIRST ANGLE PROJECTION
ENGINEER: BH/WZ/MP/CA	09-JAN-15	
APPROVED: CG/SM/HB/LS/MG/MW	09-JAN-15	

REV. 0

[illegible]

Diagram illustrating the connection to the BBK (Battery Backup Kit). The connection involves a terminal block on the left labeled "TO BATTERY" with terminals for DC+, DC-, and PE. A cable with a triangle and the number 4 connects this to the BBK unit. The BBK unit contains three switches. The output of the BBK is a terminal block on the right labeled "TO INPUT-OUTPUT CABINET" with terminals for DC+, DC-, and PE.

The diagram shows the following components and connections:

- BATTERY BREAKER KIT (640-6506):**
 - POWER IN TRIP SIGN IN:** A 4-pin connector with terminals 1, 2, 3, and 4. Terminal 1 is connected to J3800.
 - BATT FUSE STATUS:** A 6-pin connector with terminals 1, 2, 3, 4, 5, and 6. Terminals 1 and 2 are connected to J3801.
 - BB AUX I/O:** A 4-pin connector with terminals 1, 2, 3, and 4. Terminal 1 is connected to J3802.
 - BATT TEMP SENSE:** A 4-pin connector with terminals 1, 2, 3, and 4. Terminal 1 is connected to J3803.
- IN/OUT CABINET (UPS):**
 - 640-3635:**
 - 24V (B)+:** A 2-pin connector with terminals 1 and 2. Terminal 2 is connected to J4929.
 - GND:** A 2-pin connector with terminals 1 and 2. Terminal 2 is connected to J4930.
 - DC SHUNT TRIP1:** A 2-pin connector with terminals 1 and 2. Terminal 2 is connected to J4923.
 - 640-3642:**
 - AUX IN BB1:** A 2-pin connector with terminals 1 and 2. Terminal 2 is connected to J5609.
 - 640-3640:**
 - BATT TEMP:** A 2-pin connector with terminals 1 and 2. Terminal 2 is connected to J5529.
- TEMPERATURE SENSOR:** A 2-pin connector with terminals 1 and 2. Terminal 1 is connected to the BATT TEMP SENSE connector (J3803).

160kVA	200kVA
(2) 70mm ²	(2) 95mm ²

1. INSTALLATION SHALL 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.
- Δ 3. TEMPERATURE SENSOR IS NOT PART OF THIS SKU. CABLE LENGTH IS 2.8 METERS.
- Δ 4. CABLE SIZES ARE BASED ON INSTALLATION METHOD "C" IN TABLE 52-C2 OF IEC 60364-5-52 WITH THE FOLLOWING ASSERTIONS:
 - 90°C CONDUCTORS.
 - AN AMBIENT TEMPERATURE OF 30°C.
 - USE OF COPPER CONDUCTORS.
- IF THE AMBIENT TEMPERATURE IS GREATER THAN 30°C, LARGER CONDUCTORS ARE TO BE SELECTED IN ACCORDANCE WITH THE CORRECTION FACTORS OF THE IEC.
5. PLACE THE BATTERY BREAKER BOX AS CLOSE TO THE BATTERY BANK AS POSSIBLE TO LIMIT THE LENGTH OF UNPROTECTED BATTERY CABLES.

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ANGLE

PROJECTION