



GENERAL NOTES

- FLOOR MOUNTED ENCLOSURE. TYPE 3R CONSTRUCTED FROM CODE GAUGE STEEL. FINISH: TYPE 3R ANSI 61 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER. TYPE 3RX EXTERIOR CONSTRUCTED FROM CODE GAUGE STAINLESS STEEL. (R) EXTERIOR CONSTRUCTED FROM TYPE 304 STAINLESS STEEL. (S) EXTERIOR CONSTRUCTED FROM TYPE 316 STAINLESS STEEL.
- EXTERIOR DOORS HAVE PADLOCKABLE HANDLES WITH 3-POINT LATCH.
- DESIGNED FOR FRONT ACCESS ONLY.
- RECOMMENDED CLEARANCES: FRONT: 40" [1016mm] REAR: NONE.
- LIFTING PLATES: SECTIONS ARE SUPPLIED WITH LIFTING PLATES. INSPECT PLATES FOR DAMAGE AND TORQUE BOLTS TO 45 FT LBS [61.0 Nm] BEFORE USE. REFER TO ANSI/NEMA PB 2.1 FOR PROPER HANDLING OF EQUIPMENT. AFTER INSTALLATION OF SECTION, REMOVE LIFTING PLATES. REINSTALL BOLTS INTO EXTERIOR HOLES AND TORQUE TO APPROXIMATELY 20 FT LBS [27.1 Nm].
- CENTER OF GRAVITY
- APPROXIMATE WEIGHT: 2112 LBS [958 KG]
- SECTION 1 AND 2 SHIP AS ONE UNIT. NO SHIPPING SPLIT

SYSTEM NOTES

- SYSTEM RATING: 600 AMPS.
SOURCE 1 (NORMAL) SHORT CIRCUIT RATING: 125,000 RMS SYM @ 240V
100,000 RMS SYM @ 480V
SOURCE 2 (EMERGENCY) SHORT CIRCUIT RATING: 65,000 RMS SYM @ 240V
42,000 RMS SYM @ 480V (SWITCHED AND SOLID NEUTRAL)
35,000 RMS SYM @ 480V (OVERLAPPING NEUTRAL).
SOURCE 2 (EMERGENCY) SHORT CIRCUIT RATING MAY BE INCREASED BY UTILIZING A SPECIFIC OVERCURRENT PROTECTIVE DEVICE AS LISTED ON THE TRANSFER SWITCH.
- ALL BUS IS SILVER-PLATED COPPER, BASED ON 1000A PER SQ. IN. DENSITY.
- GROUND: 20% RATED.
- NEUTRAL: 100% RATED.
- APPLICABLE LABEL(S): U.L. 891, SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT.

TRANSFER SWITCH

- J FRAME ISOLATION-BYPASS TRANSFER SWITCH.
- TRANSFER SWITCH RATING: 600 AMPS. SHORT CIRCUIT RATING WHEN PROTECTED BY A CIRCUIT BREAKER TIME RESPONSE, MAXIMUM 0.05 SECONDS:
42,000 RMS SYM @ 480V (SWITCHED AND SOLID NEUTRAL).
35,000 RMS SYM @ 480V (OVERLAPPING NEUTRAL).
65,000 RMS SYM @ 240V (SWITCHED, SOLID AND OVERLAPPING NEUTRAL).
- A FULL RATED NEUTRAL CONNECTION FOR EACH SOURCE AND THE LOAD IS OPTIONAL. WHEN PROVIDED IT IS IN ONE OF THE FOLLOWING FORMATS:
A. SOLID NEUTRAL
B. SWITCHED NEUTRAL POLE
C. OVERLAPPING NEUTRAL POLE (NOT AVAILABLE ON CLOSED OR DELAYED TRANSITION)
- UL 1008 OR CSA C22.2 NO.178.1

TERMINATIONS 600A

- SUPPLIED WITH MECHANICAL (SCREW TYPE) LUGS FOR CU/AL CABLE.
SOURCE 1 (NORMAL): (2) 3/0 - 500MCM PER PHASE & NEUTRAL.
LOAD: (2) 3/0 - 600MCM PHASE & NEUTRAL.
SOURCE 2 (EMERGENCY): (2) 3/0 - 600MCM PER PHASE & NEUTRAL.
GROUND: (6) 1/0 - 600MCM.
A. SUITABLE WIRE BENDING SPACE IS PROVIDED AS PER NEC.
- OPTIONAL LUGS MAY BE SUPPLIED.

CIRCUIT BREAKER: ITEM 52U

- SQUARE "D" 80% RATED TYPE "LL", 600AF/600AT, MANUALLY OPERATED, ELECTRONIC TRIP UNIT WITH LONG AND INSTANTANEOUS TRIP SETTINGS. SHORT CIRCUIT RATING: AIC 100,000 RMS SYM @ 480V
- NOT AVAILABLE AT 100% RATED
- U.L. 489

WIRING/CABLING

- USE 90°C MINIMUM CU/AL WIRE FOR POWER CABLES.
- WIRE SIZE TO BE BASED ON AMPACITY OF 75°C WIRE.
- USE 60°C MINIMUM CU WIRE FOR CONTROLS.

SEE TABLE 1 FOR METRIC TERMINATIONS

| TABLE 1 | |
|---------|--------------------|
| 14 AWG | 2.5mm ² |
| 6 AWG | 16mm ² |
| 4 AWG | 25mm ² |
| 1/0 AWG | 50mm ² |
| 2/0 AWG | 70mm ² |
| 3/0 AWG | 95mm ² |
| 4/0 AWG | 120mm ² |
| 250 MCM | 120mm ² |
| 300 MCM | 150mm ² |
| 350 MCM | 185mm ² |
| 400 MCM | 240mm ² |
| 500 MCM | 240mm ² |
| 600 MCM | 300mm ² |
| 750 MCM | 400mm ² |

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| PROJECT NAME: | | 305531 | SG | MCH | 09/20/23 |
| OUTLINE | | MOUNTING | | REV. TO SHEET | NEW ISSUE |
| JAUB 600A, 80% RATED LL BREAKER ON SOURCE 1 (NORMAL) | | TYPE 3R\3RX, 96 x 57 x 36, FRONT CONNECTED | | BY | APP. |
| DRAWN BY | | DATE | MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-055 | ASSEM. REF. NO. | COMPUTER GENERATED DRAWING |
| CHECKED | MCH | 09/20/23 | PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED. | SCALE 1/16" = 1" SIZE DS | DWG. NO. 843100-037 |
| PROJECT APPROVAL | | | ASCO POWER TECHNOLOGIES, LP. FLORHAM PARK, NEW JERSEY 07932 U.S.A. | DRAWING REV. | ECN NO. 305531 |
| FINAL APPROVAL | | | | | SHEET 1 OF 1 |