ASCO Power Technologies®

SWITCH SUBMITTAL

REVISION 3

ATS Submittal

TRANSFER SWITCH DETAILS									
ATS NAME	QTY	AMPS / POLES (VOLTS)	BYPASS	TRANSITION TYPE	CATALOG NUMBER	ACCESSORIES	OUTLINE DRAWING	WIRING DIAGRAM	BOM NUMBER
	1	1200 / 3 (480V)	N/A	OPEN	H03AUSA31200NGXM	11BE,44G,119M1	754578-051, 739429-402	1001657, A800080, 617429-1373, 758574	1579274

AIC Rating for Service Entrance Rated Units				
ATS NAME	Catalog Number	ATS Ampacity	Square D Breaker Model (Rating)	Fault Current Rating (480V)
	3AUS	1000-1200A	RJF(1000-1200A)	50kA

**For Complete Breaker Details refer to Outline Drawing*

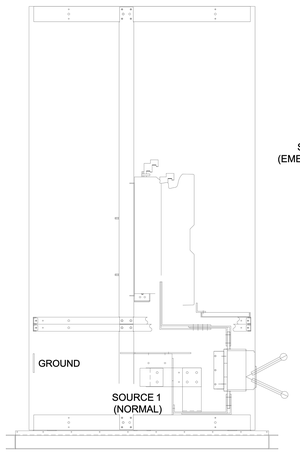
ATS Submittal

Transfer Switch Details

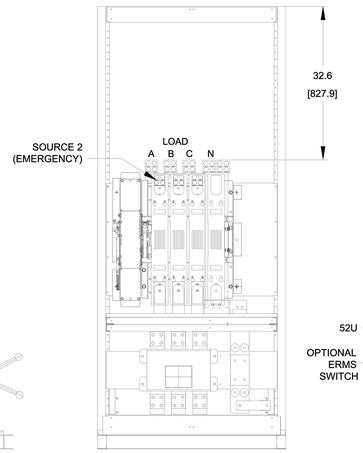
#1	ATS	AMPS: 1200	QTY: 1

Product	:	Series 300	Catalog Number	:	H03AUSA31200NGXM
Service Voltage / Hz	:	480V/60Hz	Optional Accessories	:	11BE,44G,119M1
Bypass Isolation	:	Not Applicable	Product Description	:	300 Series, Automatic Service Entrance Transfer Switch
No. of Switched Poles: 3	:	3	Neutral Configuration	:	Solid [A]
Withstand Rating: Frame = H, Switch Rating = 1200, Series = 300	:	See WCR Table Below	No. of Cables & Lug Size	:	See Applicable Outline Drawing
Enclosure	:	3R(M)-UL Type 3R secure double door enclosure (See Disclaimer 3)	Service	:	Three Phase, 4-wire
Extended Warranty	:	Not Included	Markings	:	

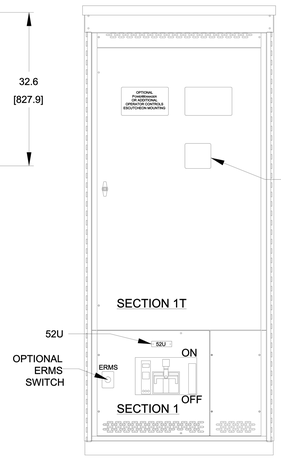
#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it also enables: (1) 3-Phase Emergency Source VLL sensing (2) Phase Rotation Monitoring (3) Emergency Source VLL Unbalance Monitoring.
2	44G	Strip heater w/ thermostat, wired to load terminals: 208-600 volts
3	119M1	Internally powered Energy Reducing Maintenance Switch (ERMS) ERMS lowers the instantaneous pickup setting, utilizes a faster acting instantaneous trip function, or activates an alternate set of trip settings on a breaker to provide reduced arc flash incident energy. To be used on service entrance rated switches containing Square D breakers with MicroLogic 5.0/6.0 P/H trip units Customer is responsible for all trip unit settings.



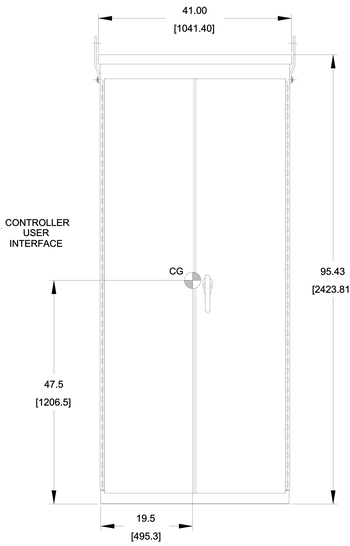
LEFT SIDE VIEW
WITHOUT COVER



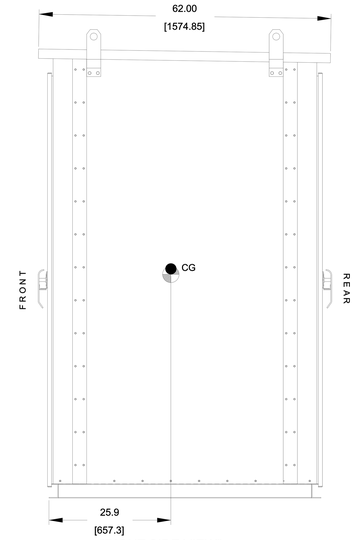
FRONT VIEW
WITHOUT COVER



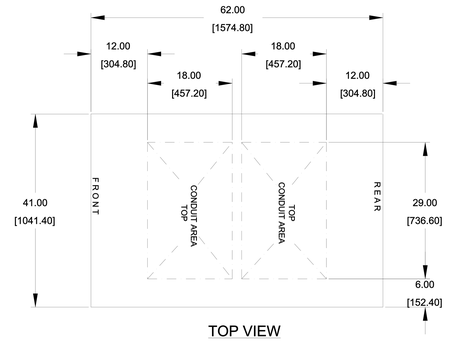
FRONT VIEW
WITHOUT DOORS



FRONT VIEW



"RIGHT SIDE VIEW"



TOP VIEW

GENERAL NOTES

1. FLOOR MOUNTED ENCLOSURE.
   TYPE 3R (M) CONSTRUCTED FROM CODE GAUGE STEEL.
   FINISH: ANSI 61 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER.
   TYPE 3RX (R) EXTERIOR CONSTRUCTED FROM CODE GAUGE TYPE 304 STAINLESS STEEL.
   TYPE 3RX (S) EXTERIOR CONSTRUCTED FROM CODE GAUGE TYPE 316 STAINLESS STEEL.
2. EXTERIOR DOOR HAVE PADLOCKABLE HANDLES WITH 3-POINT LATCH
3. DESIGNED FOR FRONT & REAR ACCESS.
4. RECOMMENDED CLEARANCES: FRONT: 36 [914.4] REAR: 30 [762].
5. EXTERIOR VENTS: 1000A: NO VENTS,
   1200A: VENTS ARE SUPPLIED WITH POLYESTER DUST FILTERS.
6. LIFTING PLATES: SECTIONS ARE SUPPLIED WITH LIFTING PLATES. INSPECT PLATES FOR DAMAGE AND TORQUE BOLTS TO 45 FT LBS [61 N m] 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 N m].
7. SECTION 1 & SECTION 1T SHIP AS 1 UNIT.
8. ● CENTER OF GRAVITY.
9. APPROXIMATE WEIGHT: 2050 LBS [930 KG].

SYSTEM NOTES

1. SYSTEM RATING: 1000 AMPS, 1200 AMPS.
   SHORT CIRCUIT RATING:
   SOURCE 1 (NORMAL) : 50,000 RMS SYM @ 240V, 480V.
   25,000 RMS SYM @ 600V.
   SOURCE 2 (EMERGENCY): 50,000 RMS SYM @ 240V, 480V, 600V.
   SOURCE 2 (EMERGENCY) - REFER TO RATING LABEL ON TRANSFER SWITCH FOR ADDITIONAL RATINGS.
2. ALL BUS IS SILVER-PLATED COPPER, BASED ON 1000A PER SQ. IN. DENSITY.
3. GROUND: AS PER NEC.
4. NEUTRAL: 100% RATED.
5. APPLICABLE LABEL(S): U.L. 891, SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT.

TRANSFER SWITCH

1. H FRAME AUTOMATIC/NON-AUTOMATIC TRANSFER SWITCH.
2. TRANSFER SWITCH RATING: 1000 AMPS, 1200 AMPS.
3. 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 ADTS, ACTS, NDTS & NCTS UNITS)
4. UL 1008 OR CSA C22.2 No. 178.1

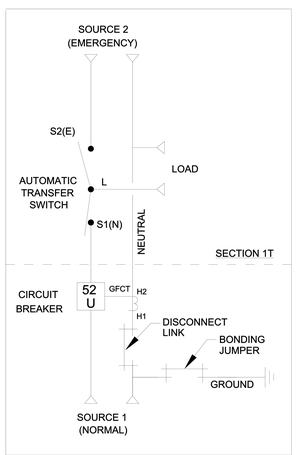
TERMINATIONS 1000A-1200A

1. SWITCH CAN BE SUPPLIED WITHOUT LUGS (SEE SHEET 2).
   A. SOURCES, LOAD AND GROUND LUG KITS ARE ORDERED SEPARATELY.
2. MECHANICAL (SCREW TYPE) LUGS FOR COPPER (CU) OR ALUMINUM (AL) CABLE WHEN ORDERED WITH SWITCH.
   SOURCE 1 (NORMAL): (4) 1/0-600MCM PER PHASE & NEUTRAL
   LOAD: (4) 1/0-600MCM PER PHASE & NEUTRAL
   SOURCE 2 (EMERGENCY): (4) 1/0-600MCM PER PHASE & NEUTRAL
   GROUND: (12) 1/0-600MCM
   A. SUITABLE WIRE BENDING SPACE IS PROVIDED AS PER NEC.

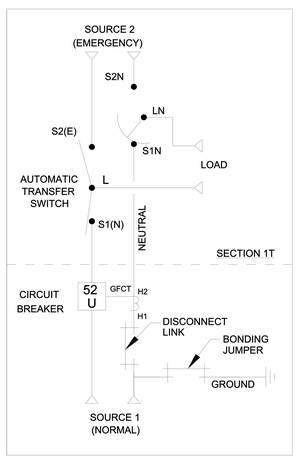
CIRCUIT BREAKER: ITEM 52U

1. SQUARE "D" 80% RATED, TYPE 'RJF', 3000AF/1000AT OR 3000AF/1200AT STATIONARY MOUNTED, MANUALLY OPERATED WITH LONG DELAY, SHORT DELAY, INSTANTANEOUS AND GROUND FAULT TRIP SETTINGS.
2. OPTIONAL ENERGY REDUCTION MAINTENANCE SETTING SYSTEM AVAILABLE UPON REQUEST.
3. OPTIONAL 100% RATED AVAILABLE UPON REQUEST.
4. U.L. 489

ONE LINE DIAGRAMS



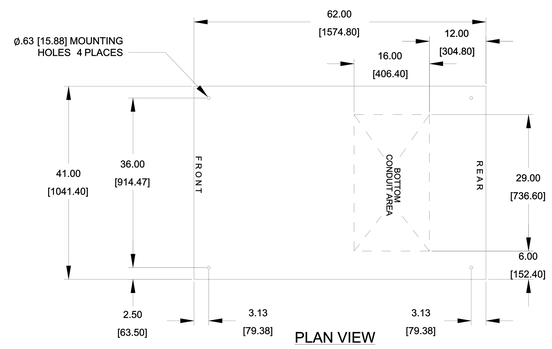
(WITH SOLID NEUTRAL)



(WITH SWITCHED/OVERLAPPING NEUTRAL)

SEE TABLE 1 FOR METRIC TERMINATIONS

TABLE 1	
14 AWG	2.5mm²
6 AWG	16mm²
4 AWG	25mm²
1/0 AWG	50mm²
2/0 AWG	70mm²
3/0 AWG	95mm²
4/0 AWG	120mm²
250 MCM	120mm²
300 MCM	150mm²
350 MCM	185mm²
400 MCM	240mm²
500 MCM	240mm²
600 MCM	300mm²
750 MCM	400mm²



PLAN VIEW

WIRING/CABLING

SOURCE 1 (NORMAL) & LOAD

1. FOR 100% RATED BREAKER - USE 90°C MINIMUM CU/AL WIRE FOR POWER CABLES.
   FOR 80% RATED BREAKER - USE 75°C MINIMUM CU/AL WIRE FOR POWER CABLES.
2. WIRE SIZE TO BE BASED ON AMPACITY OF 75°C WIRE.
3. USE 60°C MINIMUM CU WIRE FOR CONTROLS.

SOURCE 2 (EMERGENCY)

1. USE 75°C MINIMUM CU/AL FOR POWER CABLES.
2. USE 60°C MINIMUM CU WIRE FOR CONTROLS.

DIMENSION ARE IN INCHES [MILLIMETERS]

REV. TO SHEET	ECN NO.	BY	APP.	DATE
N	319020 SEE ECN	SV	SV	11-27-25
M	317803 SEE ECN	SV	SV	09-26-25
L	306943 SEE ECN	SG	MCH	12/28/23

PROJECT NAME:

OUTLINE | MOUNTING

HAUS 1000A-1200A, RJF SE BREAKER
TYPE 3R/3RX, 96 X 41 X 62

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	SV	09-26-25
CHECKED	JPB	09-26-25
PROJECT APPROVAL		
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055

ASSEM. REF. NO.

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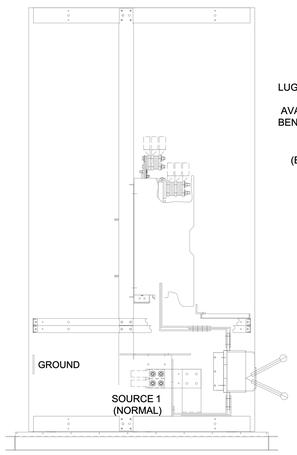
FLORHAM PARK, NEW JERSEY 07932 U.S.A.

COMPUTER GENERATED DRAWING

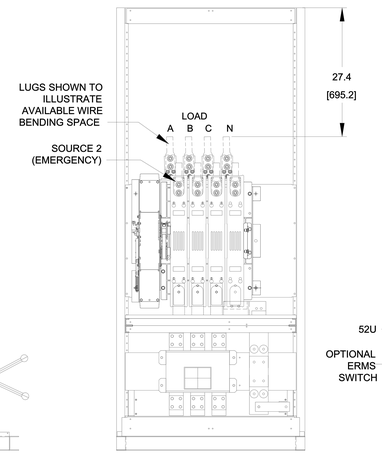
SCALE 1/16" = 1" | SIZE DS

DWG. NO. 754578-051

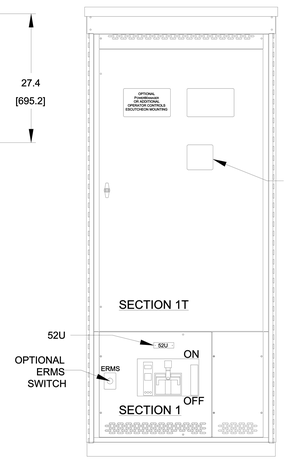
DRAWING REV. N | ECN NO. 319020 | SHEET 1 OF 3



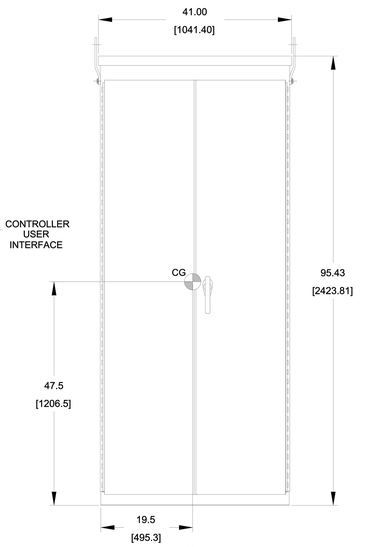
LEFT SIDE VIEW
WITHOUT COVER



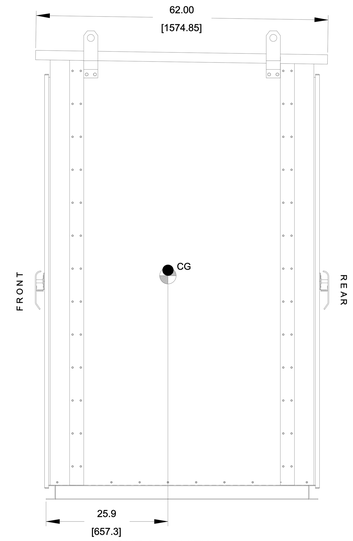
FRONT VIEW
WITHOUT COVER



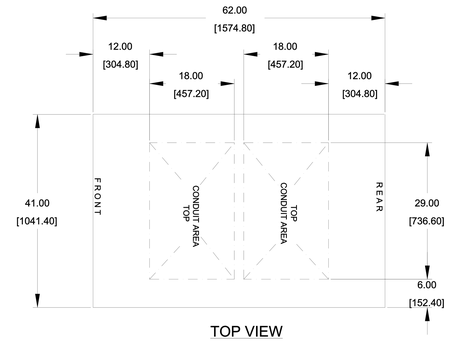
FRONT VIEW
WITHOUT DOORS



FRONT VIEW

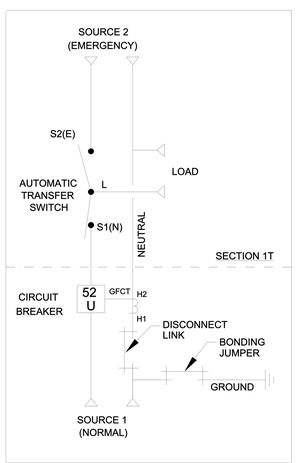


"RIGHT SIDE VIEW"

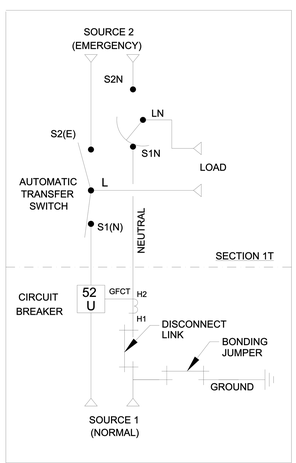


TOP VIEW

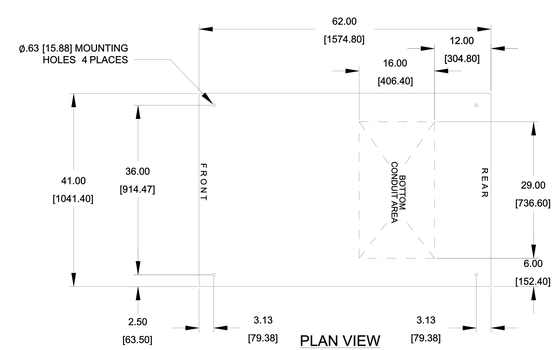
ONE LINE DIAGRAMS



(WITH SOLID NEUTRAL)



(WITH SWITCHED/OVERLAPPING NEUTRAL)



PLAN VIEW

SEE TABLE 1 FOR METRIC TERMINATIONS

TABLE 1	
14 AWG	2.5mm²
6 AWG	16mm²
4 AWG	25mm²
1/0 AWG	50mm²
2/0 AWG	70mm²
3/0 AWG	95mm²
4/0 AWG	120mm²
250 MCM	120mm²
300 MCM	150mm²
350 MCM	185mm²
400 MCM	240mm²
500 MCM	240mm²
600 MCM	300mm²
750 MCM	400mm²

WIRING/CABLING

SOURCE 1 (NORMAL) & LOAD

1. FOR 100% RATED BREAKER - USE 90°C MINIMUM CU/AL WIRE FOR POWER CABLES.
   FOR 80% RATED BREAKER - USE 75°C MINIMUM CU/AL WIRE FOR POWER CABLES.
2. WIRE SIZE TO BE BASED ON AMPACITY OF 75°C WIRE.
3. USE 60°C MINIMUM CU WIRE FOR CONTROLS.

SOURCE 2 (EMERGENCY)

1. USE 75°C MINIMUM CU/AL FOR POWER CABLES.
2. USE 60°C MINIMUM CU WIRE FOR CONTROLS.

GENERAL NOTES

1. FLOOR MOUNTED ENCLOSURE.
   TYPE 3R (M) CONSTRUCTED FROM CODE GAUGE STEEL.
   FINISH: ANSI 61 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER.
   TYPE 3RX (R) EXTERIOR CONSTRUCTED FROM CODE GAUGE TYPE 304 STAINLESS STEEL.
   TYPE 3RX (S) EXTERIOR CONSTRUCTED FROM CODE GAUGE TYPE 316 STAINLESS STEEL.
2. EXTERIOR DOOR HAVE PADLOCKABLE HANDLES WITH 3-POINT LATCH
3. DESIGNED FOR FRONT & REAR ACCESS.
4. RECOMMENDED CLEARANCES: FRONT: 36 [914.4] REAR: 30 [762].
5. EXTERIOR VENTS: 1000A: NO VENTS,
   1200A: VENTS ARE SUPPLIED WITH POLYESTER DUST FILTERS.
6. LIFTING PLATES: SECTIONS ARE SUPPLIED WITH LIFTING PLATES. INSPECT PLATES FOR DAMAGE AND TORQUE BOLTS TO 45 FT LBS [61 N m] 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 N m].
7. SECTION 1 & SECTION 1T SHIP AS 1 UNIT.
8. ● NTER OF GRAVITY.
9. APPROXIMATE WEIGHT: 2050 LBS [930 KG].
10. SEE SHEET 3 FOR TERMINATION DETAILS.

SYSTEM NOTES

1. SYSTEM RATING: 1000 AMPS, 1200 AMPS.
   SHORT CIRCUIT RATING:
   SOURCE 1 (NORMAL) : 50,000 RMS SYM @ 240V, 480V.
   25,000 RMS SYM @ 600V.
   SOURCE 2 (EMERGENCY): 50,000 RMS SYM @ 240V, 480V, 600V.
   SOURCE 2 (EMERGENCY) - REFER TO RATING LABEL ON TRANSFER SWITCH FOR ADDITIONAL RATINGS.
2. ALL BUS IS SILVER-PLATED COPPER, BASED ON 1000A PER SQ. IN. DENSITY.
3. GROUND: AS PER NEC.
4. NEUTRAL: 100% RATED.
5. APPLICABLE LABEL(S): U.L. 891, SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT.

TRANSFER SWITCH

1. H FRAME 7000 SERIES AUTOMATIC/NON-AUTOMATIC TRANSFER SWITCH ONLY.
2. TRANSFER SWITCH RATING: 1000 AMPS, 1200 AMPS.
3. 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 ADTS, ACTS, NDTS & NCTS UNITS)
4. UL 1008 OR CSA C22.2 No. 178.1

TERMINATIONS 1000A-1200A

1. SWITCH SUPPLIED WITHOUT LUGS.
   A. SOURCES, LOAD AND GROUND LUG KITS ARE ORDERED SEPARATELY.
2. COMPRESSION LUGS FOR COPPER (CU) OR ALUMINUM (AL) CABLE
   LUG SIZES ARE BASED ON T & B AND BURNDY ONLY
   SOURCE 1 (NORMAL): MAX (4) 600MCM PER PHASE & NEUTRAL FOR COPPER CABLE ONLY
   LOAD: MAX (4) 600MCM PER PHASE & NEUTRAL FOR COPPER CABLE ONLY
   SOURCE 2 (EMERGENCY): MAX (4) 600MCM PER PHASE & NEUTRAL FOR COPPER CABLE ONLY
   GROUND: MAX (24) 600MCM
   NOTE: ALUMINUM CABLE WILL NOT PROVIDE 1200A RATING.
   A. SUITABLE WIRE BENDING SPACE IS PROVIDED AS PER NEC.

CIRCUIT BREAKER: ITEM 52U

1. SQUARE "D" 80% RATED, TYPE 'RJF', 3000AF/1000AT OR 3000AF/1200AT STATIONARY MOUNTED, MANUALLY OPERATED WITH LONG DELAY, SHORT DELAY, INSTANTANEOUS AND GROUND FAULT TRIP SETTINGS.
2. OPTIONAL ENERGY REDUCTION MAINTENANCE SETTING SYSTEM AVAILABLE UPON REQUEST.
3. OPTIONAL 100% RATED AVAILABLE UPON REQUEST.
4. U.L. 489

DIMENSION ARE IN INCHES [MILLIMETERS]

REV. TO SHEET	ECN NO.	BY	APP.	DATE
N	319020 SEE ECN	SV	SV	11-27-25
M	317803 SEE ECN	SV	SV	09-26-25
L	306943 SEE ECN	SG	MCH	12/28/23

PROJECT NAME:

OUTLINE | MOUNTING

HAUS 1000A-1200A, RJF SE BREAKER, PROVISION FOR COMPRESSION LUG
TYPE 3R/3RX, 96 X 41 X 62, 7000 SERIES TRANSFER SWITCH ONLY

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	SV	09-26-25
CHECKED	JPB	09-26-25
PROJECT APPROVAL		
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055

ASSEM. REF. NO.

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FLORHAM PARK, NEW JERSEY 07932 U.S.A.

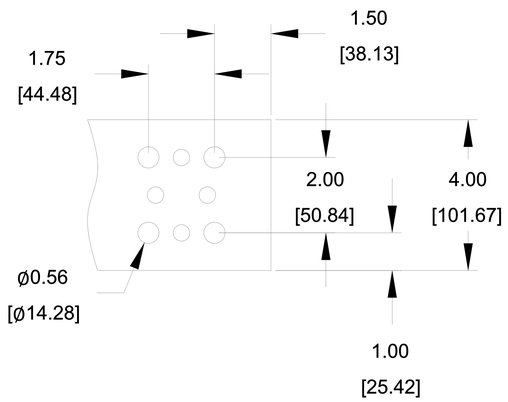
COMPUTER GENERATED DRAWING

SCALE 1/16" = 1" | SIZE DS

DWG. NO. 754578-051

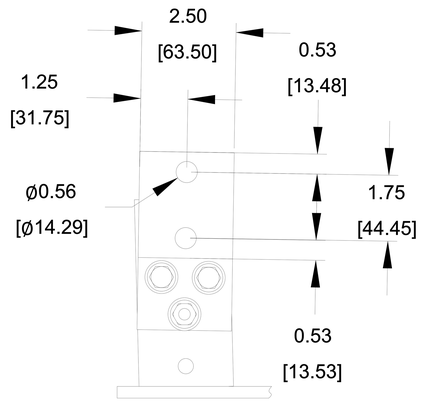
DRAWING REV. N | ECN NO. 319020 | SHEET 2 OF 3

PHASE & SOLID/SWITCHED/OVERLAPPING NEUTRAL TERMINATION DETAIL



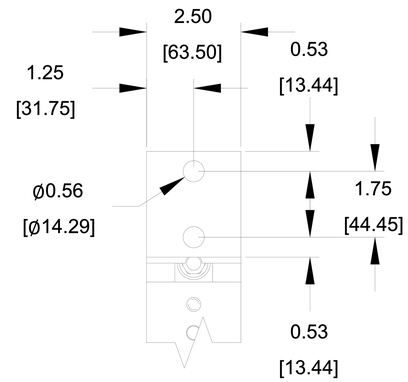
NORMAL

PHASE & SWITCHED/OVERLAPPING NEUTRAL TERMINATION DETAIL



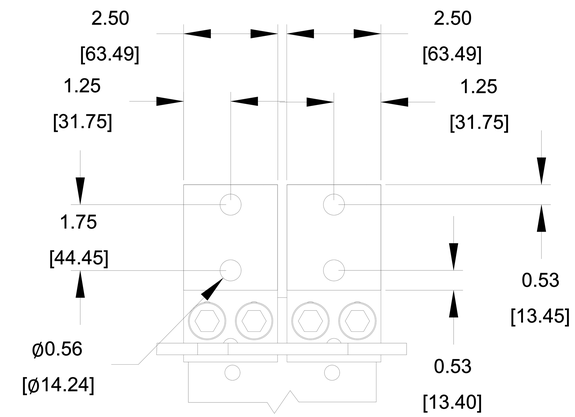
LOAD

PHASE & SWITCHED/OVERLAPPING NEUTRAL TERMINATION DETAIL



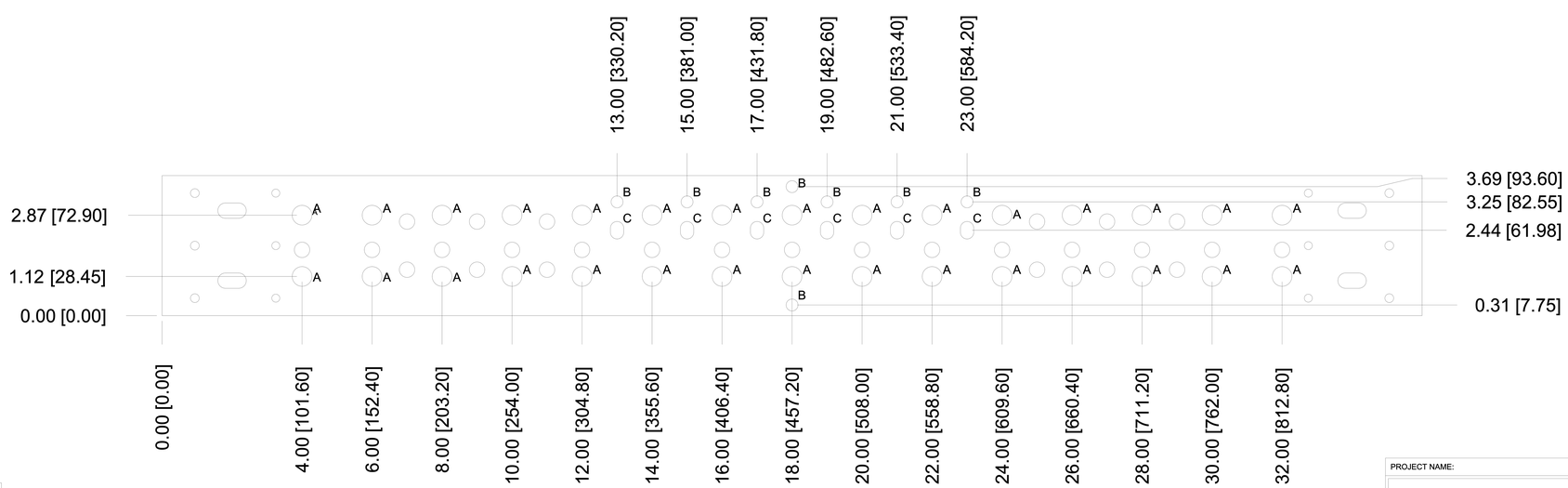
EMERGENCY

SOLID NEUTRAL TERMINATION DETAIL



LOAD & EMERGENCY

"GROUND TERMINATION DETAIL"



HOLE DATA	
C	0.375 [9.525] WIDE X 0.50 [12.70] SLOT
B	0.340 [8.636] DIA.
A	0.562 [14.275] DIA.

DIMENSION ARE IN INCHES [MILLIMETERS]

REV. TO SHEET	ECN NO.	BY	APP.	DATE
N	319020	SV	SV	11-27-25
	SEE ECN			
M	317803	SV	SV	09-26-25
	SEE ECN			
L	306943	SG	MCH	12/28/23
	SEE ECN			

PROJECT NAME:

HAUS 1000A - 1200A
GROUND TERMINATION DETAILS

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	SV	09-26-25
CHECKED	JPB	09-26-25
PROJECT APPROVAL		
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055

ASSEM. REF. NO.

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ASCO® ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.

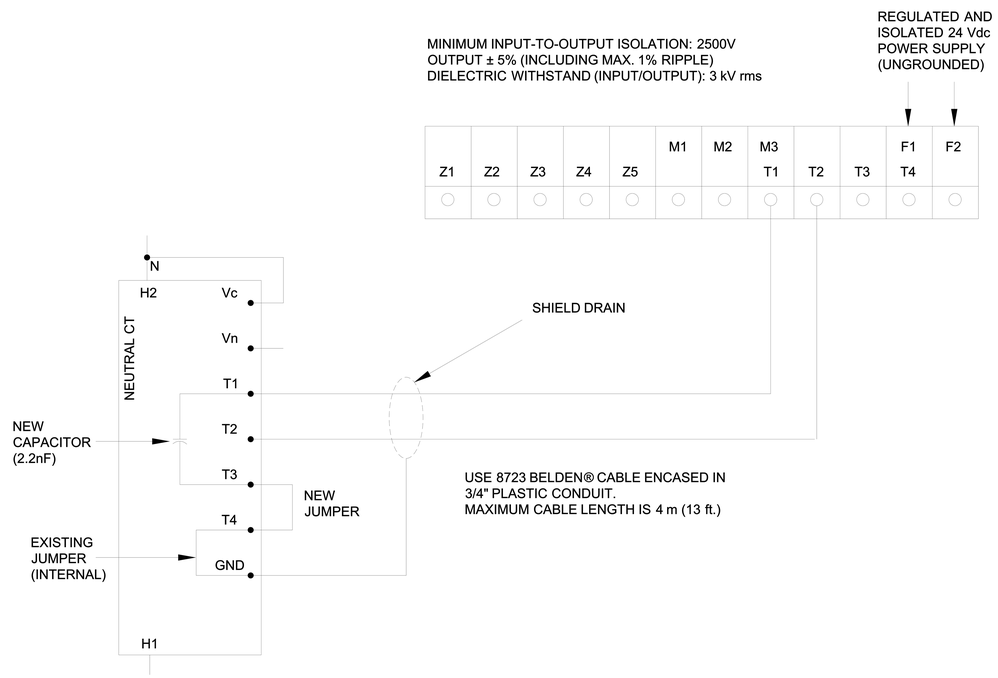
COMPUTER GENERATED DRAWING

SCALE 1/4" = 1" | SIZE DS

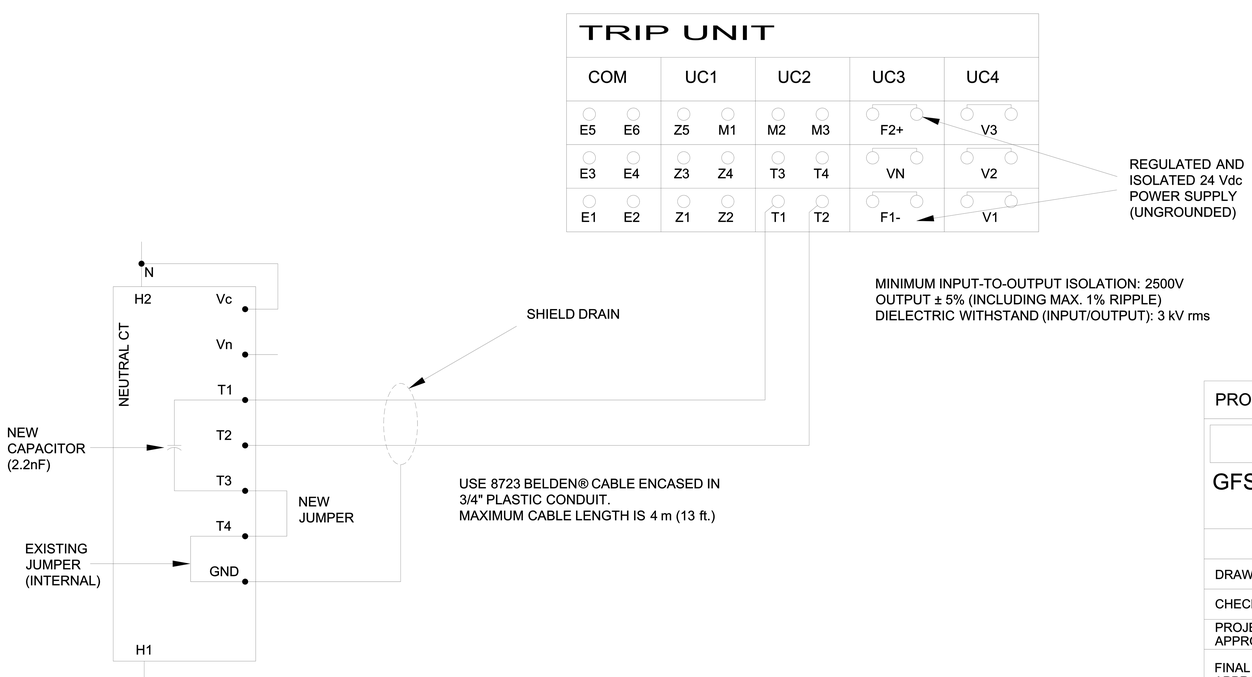
DWG. NO. 754578-051

DRAWING REV. N | ECN NO. 319020 | SHEET 3 OF 3

WIRING SCHEMATIC FOR POWERPACT P- & R-FRAME CIRCUIT BREAKERS



WIRING SCHEMATIC FOR 800-3000 A NT/NW CIRCUIT BREAKERS



REV. TO SHEET	ECN NO.	BY	APP.	DATE
F	257650	TRD	MM	10/23/15
	SEE ECN			
E	227403	TRD	WK	05/13/10
	SEE ECN			
D	226452	AE	BK	03/16/10
	SEE ECN			
C	223197	DAJ	BK	10/20/09
	SEE ECN			
B	211947	MJB	BK	2/7/07
	SEE ECN			
-	167055	CC	BK	05/13/04
	ISSUE			

PROJECT NAME:

GFS CIRCUITRY.

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	CC	05/13/04
CHECKED	BK	05/13/04
PROJECT APPROVAL	BK	05/13/04
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055

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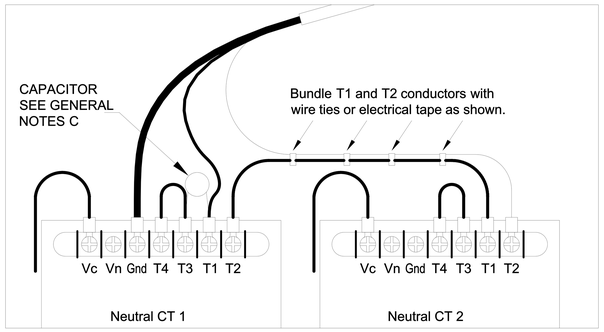
COMPUTER GENERATED DRAWING

SCALE | SIZE BS

DWG. NO. 758574

DRAWING REV. F | ECN NO. 257650 | SHEET 1 OF 2

WIRING SCHEMATIC FOR 3200-6000 A NW CIRCUIT BREAKERS



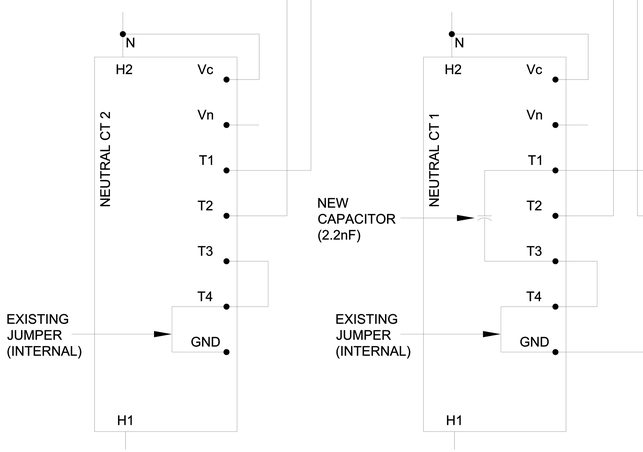
TRIP UNIT

COM		UC1		UC2		UC3	UC4
E5	E6	Z5	M1	M2	M3	F2+	V3
E3	E4	Z3	Z4	T3	T4	VN	V2
E1	E2	Z1	Z2	T1	T2	F1-	V1

REGULATED AND
ISOLATED 24 Vdc
POWER SUPPLY
(UNGROUNDED)

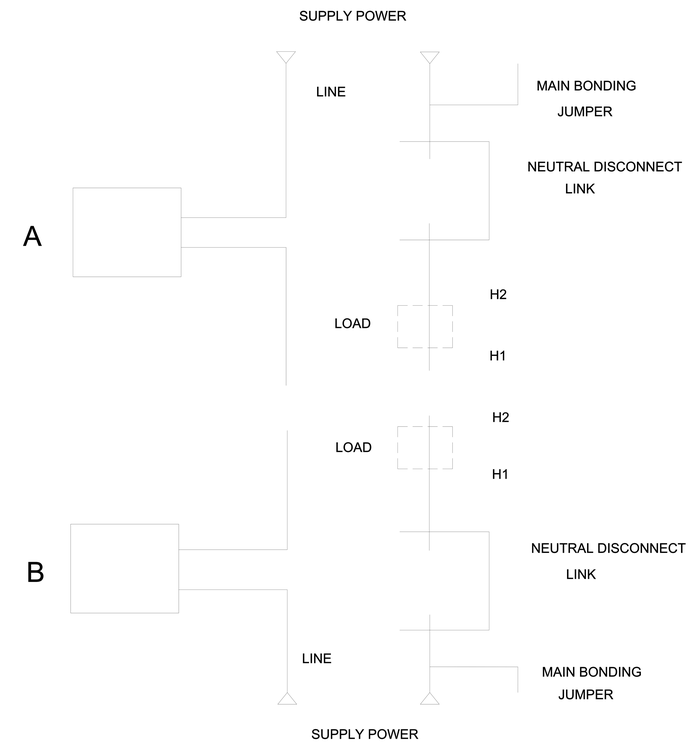
SHIELD DRAIN

MINIMUM INPUT-TO-OUTPUT ISOLATION: 2500V
OUTPUT ± 5% (INCLUDING MAX. 1% RIPPLE)
DIELECTRIC WITHSTAND (INPUT/OUTPUT): 3 kV rms



USE 8723 BELDEN® CABLE ENCASED IN
3/4" PLASTIC CONDUIT.
MAXIMUM CABLE LENGTH IS 4 m (13 ft.)

LINE DIAGRAM FOR NW BREAKER



REV. TO SHEET	ECN NO.	BY	APP.	DATE
F	257650	TRD	MM	10/23/15
	SEE ECN			
E	227403	TRD	WK	05/13/10
	SEE ECN			
D	226452	AE	BK	03/16/10
	SEE ECN			
C	223197	DAJ	BK	10/20/09
	SEE ECN			
B	211947	MJB	BK	2/7/07
	SEE ECN			
-	167055	CC	BK	05/13/04
	ISSUE			

GENERAL NOTES

A. IF LOAD IS CONNECTED TO LOWER END OF CIRCUIT BREAKER, CONNECT THE LOAD NEUTRAL TO THE H1 END OF THE NEUTRAL CURRENT TRANSFORMER.

B. IF SUPPLY POWER IS CONNECTED TO THE LOWER END OF THE CIRCUIT BREAKER ,CONNECT THE SUPPLY NEUTRAL TO THE H1 END OF THE NEUTRAL CURRENT TRANSFORMER.

C. CAPACITOR 2.2NF IS PROVIDED WITH CIRCUIT BREAKER.

PROJECT NAME:

GFS CIRCUITRY.

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	CC	05/13/04
CHECKED	BK	05/13/04
PROJECT APPROVAL	BK	05/13/04
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055

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FLORHAM PARK, NEW JERSEY 07932 U.S.A.

COMPUTER GENERATED DRAWING

SCALE | SIZE BS

DWG. NO. 758574

DRAWING REV. F | ECN NO. 257650 | SHEET 2 OF 2

EQUIPMENT STORAGE REQUIREMENTS

Equipment provided by Schneider-Electric and/or ASCO Power Technologies that is stored for a short-term duration (i.e., days to weeks) or long-term duration (i.e., months to years), must be kept in a cool, dry, temperature-controlled environment. Storage of equipment in open warehouses, locations without proper temperature and humidity control, and/or outdoor storage is not acceptable without the utilization of heating elements, thermostats, humidistats, and protection from weather and dirt. Failure to comply may result in moisture ingress and/or condensation to form resulting in rusting and or corrosion, component and/or equipment failure and replacement, and/or nullification of any manufacturer warranty.

For **General Instructions for Proper Handling, Installation, Operation, and Maintenance of Deadfront Distribution Switchboards Rated 600 Volts or Less**, refer to ANSI NEMA PB 2.1-2013

Copies of the following documents should be included on the submittals, depending on the units that are on the proposal:

For ASCO Power Technology's **Switchgear and Switchboards**, refer to Instruction Bulletin **381333-393**.
For Schneider-Electric/Square D's **Power Zone 4 (PZ4) Switchgear**, refer to Instruction Bulletin **80298-002-09**.
For Schneider-Electric/Square D's **Power Zone 4 (PZ4) NEMA 3R Walk-In Switchgear**, refer to Instruction Bulletin **80298-156-02**.
For Schneider-Electric/Square D's **Quality, Efficient, Delivery" (QED2) Switchboard**, refer to Instruction Bulletin **80043-055-14**.
For Schneider-Electric/Square D's **Masterclad Metal-Clad Indoor Switchgear**, refer to Instruction Bulletin **6055-30.**

ASCO Power Technologies™

SERIES 300 Service Entrance Power Transfer Switch

Data Sheet

The ASCO Service Entrance Power Transfer Switch combines automatic power switching with the disconnecting, grounding, and bonding required for use as service entrance equipment. It meets all National Electrical Code® requirements for service entrance use.

ASCO SERIES 300
SE Rated 800 amperes Type 1 enclosure

ASCO SERIES 300
SE Rated 200 amperes in Type 3R enclosure

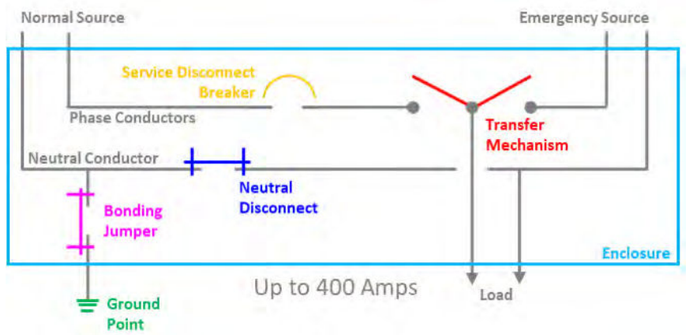
Product Features:

- Sizes available from 70 - 3000 amps, 600 VAC, 50 or 60 Hz, single or 3-phase
- 70 - 400 Ampere listed to UL 1008
- 600 - 3000 Ampere listed to UL 891
- Automatic Transfer Switch is listed to UL 1008 for total system loads
- Silver plated copper ground and neutral bus with solderless screw type terminals
- Ground fault trip protection provided on 1000 amps and above
- Available with solid or switched neutral
- Line side breaker barriers available in compliance with NEC2020

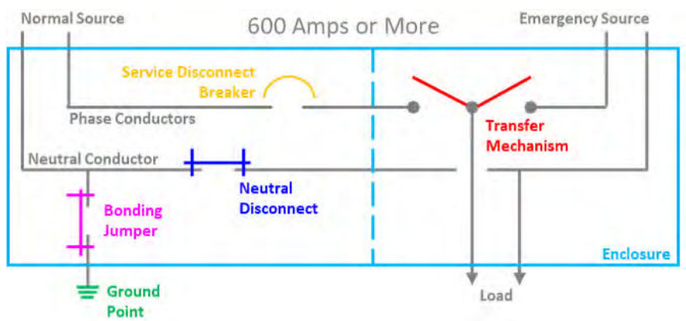
Life Is On | Schneider Electric

Construction

Products 400 amperes or less, utilize a single enclosure, including a service disconnect circuit breaker, as well as the transfer switch and grounding and bonding provisions.



Products 600 amperes and above provide a service equipment section containing the service disconnect circuit breaker as well as grounding and bonding provisions. A second section contains the power transfer switch.



For additional detail, see the interactive 3-D view in the ASCO Digital Hub.

Order Information

To order an ASCO SERIES 300SE Power Transfer Switch, complete the following catalog number:

J	+	03AUS	+	B	+	3	+	0600	+	N	+	GX	+	C
Frame		Product Type		Neutral Code		Phase Poles		Amperes Continous Rating		Voltage Code		Controller Code		Enclosure
D = 70 - 225 Amp J = 150 - 600 Amp 150A - 225A: 3ADUS/3NDUS Only H = 800 - 1200 Amp G = 1600 - 3000 Amp		03AUS = Automatic 03NUS = Non-Automatic 3ADUS = Automatic Delayed Transition 3NDUS = Non-Automatic, Delayed Transition		A = Solid Neutral B = Switched Neutral		2 3		0070, 0100, 0150, 0200, 0225[3], 0250[3], 0400, 0600, 0800, 1000, 1200, 1600, 2000 2500, 3000		C = 208 D = 220 E = 230 F = 240 H = 380 J = 400 K = 415 L = 440 M = 460 N = 480 P = 550 Q = 575 R = 600		G = No Optional Accessories GX = Optional Accessories		C = Type 1 (Standard) M = Type 3R Secure Double Door N = Type 4[1] Secure Double Door Q = Type 12[1] Secure Double Door V = Type 4X[4,5] Secure Double Door 316 SS

Notes:
1. Available for 70-1600 amperes, use type 3R for 2000-3000 ampere applications.
2. A solid neutral is provided as standard.
3. 200, 225 ampere rated switches suitable for use with copper cable only. Refer to paragraph 310.15 of the NEC for additional information.
4. Type 316 stainless steel is the standard. It provides an improved reduction in corrosion of salt and some chemicals. It is the preferred choice for marine environments.
5. Available only on switches rated 70 - 1600 amperes.

Specifications

ASCO SERIES 300SE Power Transfer Switch Dimensions and Shipping Weights

UL Type 1 Enclosure[4]

Switch Rating Amps	Phase Poles	Neutral Code	Dimensions, In. (mm) Width	Height	Depth	Approx. Shipping Weight Lb. (kg)
70, 100, 150, 200, 225	2	A	36 (914)	48 (1219)	13 (330)	400 (185)
	2	B	36 (914)	48 (1219)	13 (330)	410 (189)
	3	A	36 (914)	48 (1219)	13 (330)	410 (189)
	3	B	36 (914)	48 (1219)	13 (330)	430 (198)
150, 200, 225, Series 3ADUS/3NDUS Only	2	A	36 (914)	48 (1219)	13 (330)	400 (185)
	2	B	36 (914)	48 (1219)	13 (330)	408 (188)
	3	A	36 (914)	48 (1219)	13 (330)	408 (188)
	3	B	36 (914)	48 (1219)	13 (330)	420 (193)
2501, 4001	2	A	42 (1067)	48 (1219)	15.5 (394)	420 (193)
	2	B	42 (1067)	48 (1219)	15.5 (394)	430 (198)
	3	A	42 (1067)	48 (1219)	15.5 (394)	430 (198)
	3	B	42 (1067)	48 (1219)	15.5 (394)	450 (207)
6001	2	A	38 (965)	91 (2311)	28 (711)	860 (396)
	2	B	38 (965)	91 (2311)	28 (711)	870 (401)
	3	A	38 (965)	91 (2311)	28 (711)	870 (401)
	3	B	38 (965)	91 (2311)	28 (711)	880 (405)
8001	2	A	38 (965)	91 (2311)	28 (711)	1460 (673)
	2	B	38 (965)	91 (2311)	28 (711)	1470 (677)
	3	A	38 (965)	91 (2311)	28 (711)	1470 (677)
	3	B	38 (965)	91 (2311)	28 (711)	1480 (682)
10001, 12001	2	A	38 (965)	91 (2311)	48 (1218)	1460 (673)
	2	B	38 (965)	91 (2311)	48 (1218)	1470 (677)
	3	A	38 (965)	91 (2311)	48 (1218)	1470 (677)
	3	B	38 (965)	91 (2311)	48 (1218)	1480 (682)
16001, 20001	3	A	38 (965)	91 (2311)	48 (1218)	1580 (727)
	3	B	38 (965)	91 (2311)	48 (1218)	1680 (773)
25001, 30001	3	A	38 (965)	91 (2311)	72 (1829)	4590 (2111)
	3	B	38 (965)	91 (2311)	72 (1829)	4690 (2157)

UL Type 3R Enclosure[4]

Switch Rating Amps	Phase Poles	Neutral Code	Dimensions, In. (mm) Width	Height	Depth	Approx. Shipping Weight Lb. (kg)
70, 100, 150, 200, 225	2	A	36 (914)	48 (1219)	16 (406)	500 (232)
	2	B	36 (914)	48 (1219)	16 (406)	520 (241)
	3	A	36 (914)	48 (1219)	16 (406)	520 (241)
	3	B	36 (914)	48 (1219)	16 (406)	530 (246)
150, 200, 225, Series 3ADUS/3NDUS Only	2	A	41 (1041)	95.5 (2424)	33 (838)	500 (232)
	2	B	41 (1041)	95.5 (2424)	33 (838)	520 (241)
	3	A	41 (1041)	95.5 (2424)	33 (838)	520 (241)
	3	B	41 (1041)	95.5 (2424)	33 (838)	530 (246)
2501, 4001	2	A	42 (1067)	48 (1219)	18 (487)	500 (232)
	2	B	42 (1067)	48 (1219)	18 (487)	520 (241)
	3	A	42 (1067)	48 (1219)	18 (487)	520 (241)
	3	B	42 (1067)	48 (1219)	18 (487)	530 (246)
6001	2	A	41 (1041)	95.5 (2425)	33 (838)	1200 (555)
	2	B	41 (1041)	95.5 (2425)	33 (838)	1220 (564)
	3	A	41 (1041)	95.5 (2425)	33 (838)	1220 (564)
	3	B	41 (1041)	95.5 (2425)	33 (838)	1240 (574)
8001	2	A	38 (965)	91 (2311)	28 (711)	1520 (703)
	2	B	38 (965)	91 (2311)	28 (711)	1540 (712)
	3	A	38 (965)	91 (2311)	28 (711)	1540 (712)
	3	B	38 (965)	91 (2311)	28 (711)	1580 (731)
10001, 12001	2	A	38 (965)	91 (2311)	48 (1218)	1520 (703)
	2	B	38 (965)	91 (2311)	48 (1218)	1540 (712)
	3	A	38 (965)	91 (2311)	48 (1218)	1540 (712)
	3	B	38 (965)	91 (2311)	48 (1218)	1580 (731)
16001, 20001	3	A	38 (965)	91 (2311)	48 (1218)	2200 (1018)
	3	B	38 (965)	91 (2311)	48 (1218)	2240 (1036)
25001, 30001	3	A	38 (965)	91 (2311)	72 (1829)	5280 (2479)
	3	B	38 (965)	91 (2311)	72 (1829)	5380 (2475)

Notes:
1. Unit is designed for top and bottom cable entry for all services and load.
2. Enclosures for 600 – 3000 amps are freestanding.
3. A space heater accessory 44G is required with all service entrance (Type 3R) switches to help reduce condensation and protect the circuit breaker. It is recommended when environmental enclosures (Type 4, 12) are ordered for installation outdoors. See Optional Accessories page for space heater options (acc. 44G).
4. Dimensional data is approximate and subject to change. Certified dimensions available upon request.

Series 300SE External Power Connections

Sizes UL-Listed Solderless Screw-Type Terminals

Switch Rating	Ranges of AL-CU Wire Sizes
70, 100, 150, 200[2], 225[2]	One #14 to 4/0 AWG
150[3], 200[3], 225[3], 250, 400	One #4 AWG to 600 MCM Two 1/0 to 250 MCM
600	Two 1/0 to 600 MCM
800, 1000, 1200	Four 1/0 to 600 MCM
1600, 2000	Six 1/0 to 600 MCM
2500	Twelve 3/0 to 750 MCM
3000	Twelve 3/0 to 750 MCM

Notes:
1. All SERIES 300 switches default to a solid neutral assembly unless a switched neutral is specified. If no neutral is required, order as solid neutral and left unwired.
2. 200 and 225 ampere rated switches for use with copper cable only. Refer to paragraph 310.15 of the NEC for all additional information.
3. J 150-225 ampere for Series 3ADUS/3NDUS only.
4. Use wire rated 75 degrees minimum for all power connections.
5. Refer to the outline drawing for maximum power cable connections for circuit breaker.

Extended Warranties for Series 300SE Transfer Switches (3AUS/3NUS/3ADUS/3NDUS)

Description
1 Year Extension (Total of 3 Years)
2 Year Extension (Total of 4 Years)
3 Year Extension (Total of 5 Years)

Notes:
1. Standard warranty is (24) months, 2 years from date of shipment, extended warranty is in addition to the two years, for a total of 3, 4 or 5 years, except where the warranty period for the circuit breaker shall be limited to 24 months from date of shipment from ASCO.
2. Refer to Publication 3223 for warranty terms and conditions.

Series 300SE AIC Breaker Rating[1]

Switch Rating	AIC Rating (kA)	Voltage
70, 100, 150, 200, 225	85	480
150, 200, 225 Series 3ADUS/3NDUS Only	85	480
250, 400, 600	85	480
800	65	480
1000, 1200	50	480
1600, 2000	65	480
2500, 3000	100	480

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customercare@ascopower.com 1-800-800-ASCO (2726)

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