ATS Submittal

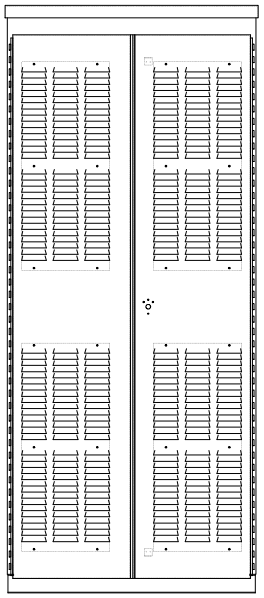
Transfer Switch Details

#8	ATS	AMPS: 3000	QTY: 4

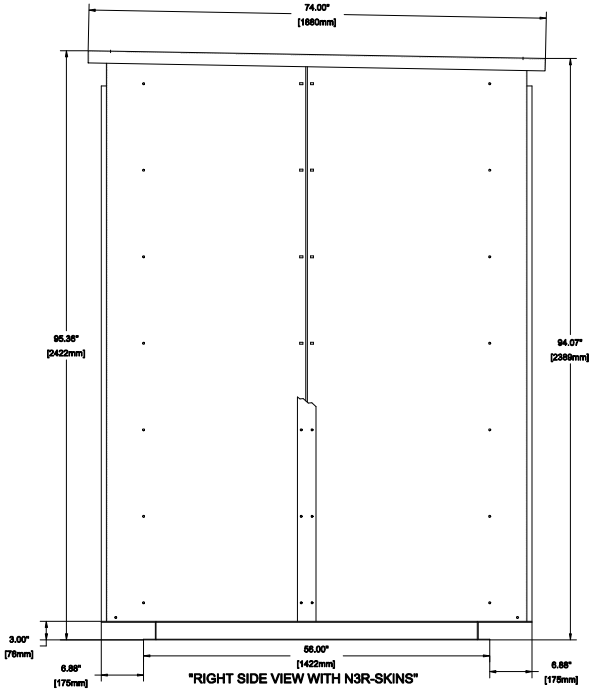
Product	:	Series 300	Catalog Number	:	G03ATSB33000NGXM
Service Voltage / Hz	:	480V/60Hz	Optional Accessories	:	11BE,44G
Bypass Isolation	:	Not Applicable	Product Description	:	300 Series, Automatic Open Transition Transfer Switch
No. of Switched Poles: 4	:	4	Neutral Configuration	:	Switched [B]
Withstand Rating: Frame = G, Switch Rating = 3000, Series = 300	:	See WCR Table Below	No. of Cables & Lug Size	:	12, 3/0 to 600 MCM
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

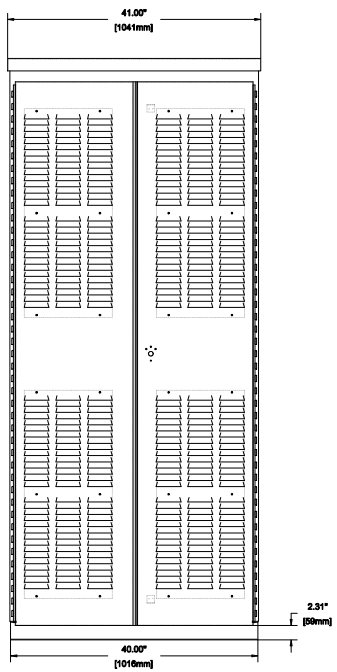
OUTLINE FOR 300 SERIES 2600-3000 AMPERE "G" FRAME (3ATS,3NTS,3NDTS,3ADTS) REAR CONNECTED TRANSFER SWITCHES TYPE 3R SECURE ENCLOSURE



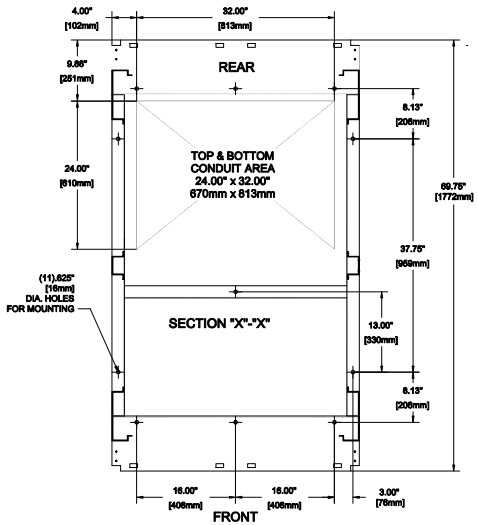
"FRONT VIEW WITH N3R-SKINS"

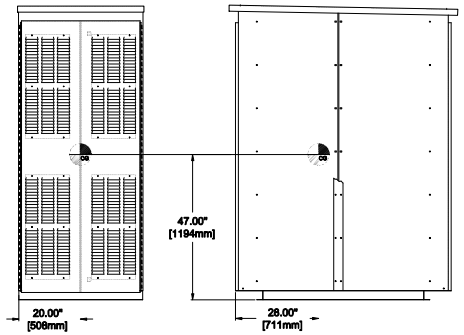


"RIGHT SIDE VIEW WITH N3R-SKINS"



"REAR VIEW WITH N3R-SKINS"





"FRONT VIEW" "RIGHT SIDE VIEW"

GENERAL NOTES

1. TYPE 3R RAINPROOF ENCLOSURE. FREE STANDING. FLOOR MOUNTED. CODE GAUGE FORMED FRAME CONSTRUCTION.
2. NEC STANDARD GAUGE PAN TYPE DOOR WITH LOCKABLE HANDLE.
3. FINISH: ANSI 61 GRAY, POLYESTER POWDER STANDARD. OTHER ANSI COLORS AVAILABLE CONSULT FACTORY. UL RECOGNIZED.
4. RECOMMENDED CLEARANCES:
   FRONT: 36.00" (914mm)
   REAR: 30.00" (762mm)
5. A 20% RATED GROUND BUS IS PROVIDED AT THE REAR OF THE ENCLOSURE.
6. UNIT IS DESIGNED FOR BOTTOM CABLE ENTRY ONLY. THE STANDARD SWITCH CONFIGURATION IS FOR TOP LUGS EMERGENCY CENTER LUGS LOAD AND BOTTOM LUGS NORMAL. (REFER TO THE WIRING DIAGRAM FURNISHED WITH EACH TRANSFER SWITCH TO DETERMINE TERMINATION POSITIONS).
7. NEUTRAL CONFIGURATIONS:
   AN OPTIONAL FULL RATED NEUTRAL CONFIGURATION FOR EACH SOURCE AND THE LOAD MAY BE PROVIDED. WHEN EQUIPPED IT IS IN ONE OF THE FOLLOWING FORMATS AS SPECIFIED BY THE CATALOG NUMBER NO.
   NEUTRAL TYPE:
   (A) SOLID (COPPER BUS) NEUTRAL.
   (B) SWITCHED NEUTRAL POLE.
8. CG CENTER OF GRAVITY.
9. NO KNOCKOUTS ARE PROVIDED.
10. EXTERIOR VENTS ARE SUPPLIED WITH POLYESTER DUST FILTERS.

CABLING NOTES

1. ALL SIZES SUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS. (SEE AMP SIZE BELOW)
   A. LUG MATERIAL: ALUMINUM ALLOY 6061-T6 WITH ELECTRO TIN PLATED FINISH.
   B. SCREW MATERIAL: ALUMINUM ALLOY 6262-T9 WITH ELECTRO TIN PLATED FINISH.
   C. UL LISTED, CSA CERTIFIED.
   D. LUG SCREW TIGHTENING TORQUE PER UL 486B: 375 IN-LBS.
   E. SUITABLE WIRE BENDING SPACE IS PROVIDED. (SEE AMP SIZE BELOW)
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS. (SEE AMP SIZE BELOW).
3. CUSTOMER TERMINAL BLOCKS:
   FOR ALL 300 SERIES UNITS THE TB WILL BE MOUNTED ON THE UPPER RIGHT INSIDE OF ENCLOSURE FOR 3ADTS AND 3NDTS. FOR ALL OTHER UNITS TB WILL BE MOUNTED ON THE TRANSFER SWITCH FRAME AS INDICATED.

NOTES 2600-3000 AMPS

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD BUS STABS. TWO (2) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF TWELVE (12) 1/0 -750MCM CU/AL CABLE (SEE NOTE "E" BELOW).
   A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO TWELVE (12) 750MCM CABLES PER TERMINAL PER NEC.
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;
   (36) 1/0 - 750MCM CU/AL CABLE

AMP SIZE	POLES	WEIGHTS LB (KG)
2600 TO 3000	2	2000 (908)
	B2	2150 (976)
	C2	2150 (976)
	3	2150 (976)
	B3	2230 (1012)
	C3	2230 (1012)

REV. TO SHEET	ECN NO.	BY	APP.	DATE
E	308080	LY		9/12/24
	SEE ECN			
D	288302	NS	TR	01/06/22
	SEE ECN			
C	276412	BK	BK	12/27/19
	SEE ECN			
B	264829	WK	BK	04/28/16
	SEE ECN			
A	249003	AE	BK	5/21/14
	ISSUED			
---	248910	AE	BK	12/10/13
	ISSUED			

PROJECT NAME:
OUTLINE
300 SERIES TS "G"
2600-3000 AMPS, "G" FRAME TYPE 3R SECURE

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	AE	12/10/13
CHECKED	BK	12/10/13
PROJECT APPROVAL	WK	12/10/13
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-005. FOR PLASTIC PARTS SEE MP-1-006

ARENA REF. NO.

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

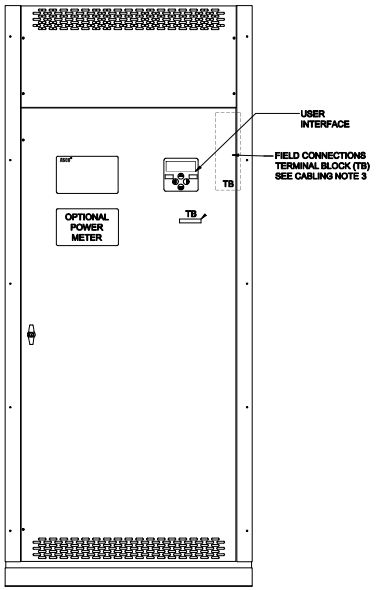
COMPUTER GENERATED DRAWING

SCALE NONE SIZE DS

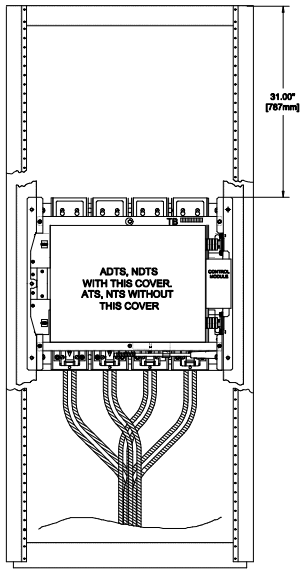
DWG. NO. 1001395-003

DRAWING REV. E ECN NO. 308080 SHEET 1 OF 2

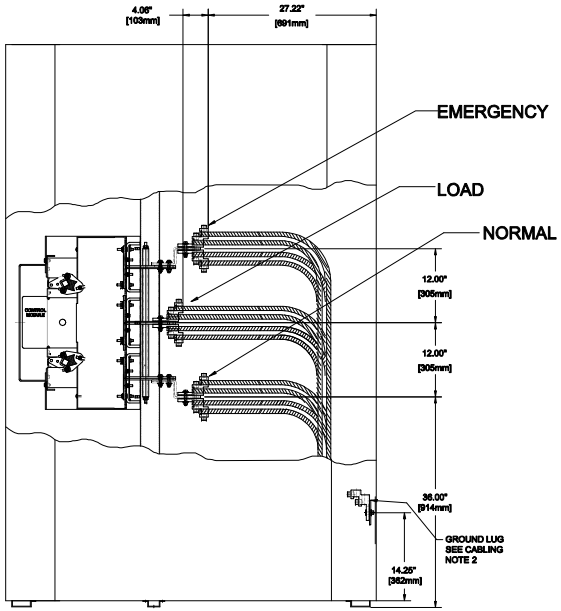
OUTLINE FOR ASCO SERIES 2600-3000 AMPERE "G" FRAME (3ATS,3NTS,3NDTS,3ADTS) REAR CONNECTED TRANSFER SWITCHES TYPE 3R SECURE ENCLOSURE



"FRONT VIEW WITH COVERS"



"FRONT VIEW W/O COVERS"



"RIGHT SIDE VIEW W/O N3R-SKINS"

E	308080	LY		3/12/24	
	SEE ECN				
D	283302	NS	TR	01/06/22	
	SEE ECN				
C	276412	BK	BK	12/27/18	
	SEE ECN				
B	254023	WK	BK	04/28/16	
	SEE ECN				
A	248003	AE	BK	5/21/14	
	ISSUED				
--	246910	AE	BK	12/10/13	
	ISSUED				

PROJECT NAME:

OUTLINE

300 SERIES TS "G"

2600-3000 AMPS. "G" FRAME TYPE 3R SECURE

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	AE	12/10/13
CHECKED	BK	12/10/13
PROJECT APPROVAL	BK	12/10/13
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-005. FOR PLASTIC PARTS SEE MP-1-026

ARENA REF. NO.

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

COMPUTER GENERATED DRAWING

SCALE NONE SIZE DS

DWG. NO. 1001395-003

DRAWING REV. E ECN NO. 308080

SHEET 2 OF 2

THREE PHASE WIRING FOR ASCO 300 SERIES TRANSFER SWITCHES (G3ATS/G3NTS) 1000-3200 AMPERES WITH GROUP G CONTROLS

GENERAL INFORMATION

THIS WIRING APPLIES TO 300 SERIES TRANSFER SWITCHES THAT UTILIZE THE "G" FRAME POWER TRANSFER SWITCH RATED 1000-3200 AMPERES.

THE GROUP G CONTROLLER PROVIDES EITHER AUTOMATIC (G3ATS) OR NON-AUTOMATIC [MANUAL] (G3NTS) OPERATION BASED ON ITS FACTORY SETTING ACCORDING TO THE CUSTOMER ORDER REQUIREMENTS.

THE TYPE OF TRANSFER SWITCH PROVIDED CAN BE DETERMINED FROM THE PRODUCT IDENTIFICATION MARKINGS LOCATED ON BOTH THE POWER TRANSFER SWITCH AND THE COVER OF THE GROUP G CONTROLLER.

ALL OPERATIONAL SETTINGS AND SEQUENCES OF THE GROUP G CONTROLLER AND ITS RELATED OPTIONAL ACCESSORIES (1UP, 18RX, 23G) ARE PROVIDED IN THE USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400.

INFORMATION FOR INSTALLATION AND TESTING OF THE TRANSFER SWITCH IS PROVIDED IN THE INSTALLATION MANUAL, ASCO 3ATS & 3NTS, G-DESIGN 1000-3200 A TRANSFER SWITCHES, PART NUMBER 381333-406.

ENGINE CONTROL CONTACTS

FEATURE 7 & FEATURE 8:
ONE SET OF FORM C CONTACTS "NR" (FEAT. 7 NC, FEAT. 8 NO) THAT CHANGE POSITION ON EXPIRATION OF THE FEATURE 1C, OVERRIDE MOMENTARY NORMAL SOURCE OUTAGES TIME DELAY, AND RESET ON EXPIRATION OF THE FEATURE 2E ENGINE COOLDOWN TIME DELAY.
AN AUXILIARY CONTACT THAT IS CLOSED WHEN THE TRANSFER SWITCH IS CONNECTED TO THE EMERGENCY SOURCE, IS CONNECTED ACROSS THE N/C CONTACT (FEATURE 7).

ADDITIONAL SET OF ENGINE STARTING CONTACTS ARE AVAILABLE ON THE GROUP G CONTROLLER WHEN THE FEATURE SETTING OF THE CONTROLLER OUTPUT CONTACTS "OP1" IS SET TO OPERATE AS "NR2".

ADDITIONAL OPTIONAL ENGINE STARTING CONTACTS "NR2" ARE AVAILABLE WHEN OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "OP2" AND/OR "OP3" PROVIDE THE ENGINE STARTING FUNCTION WHEN THE FEATURE SETTING OF EACH IS SET TO OPERATE AS "NR2".

CONTACTS ARE RATED 5 AMPS RESISTIVE AT 30 VDC MAXIMUM, 100 mA AT 5 VDC MINIMUM.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR SETTING INFORMATION.

LOAD DISCONNECT FEATURE

FEATURE 31: INCLUDES SUB-FEATURES 31F, 31G, 31M, 31N
A SET OF FORM C CONTACTS ARE PROVIDED ON THE GROUP G CONTROLLER AS "OP1". WHEN THE FEATURE SETTING OF "OP1" IS SET TO OPERATE THE CONTACTS AS "FEATURE 31", THE TIME DELAY SETTINGS OF THE SUB-FEATURES ARE AVAILABLE.

"OP1" CAN BE SET TO OPERATE TO PROVIDE THE FOLLOWING FUNCTIONS USING THE TIME DELAY SETTINGS ASSOCIATED WITH EACH SUB-FEATURE;

31F - NORMAL TO EMERGENCY PRE-TRANSFER SIGNAL
31G - EMERGENCY TO NORMAL PRE-TRANSFER SIGNAL
31M - NORMAL TO EMERGENCY POST-TRANSFER SIGNAL
31N - EMERGENCY TO NORMAL POST TRANSFER SIGNAL

THE "OP1" OUTPUT CONTACTS CHANGE POSITION FOLLOWING EACH OF THE ABOVE TIME DELAYS.

ADDITIONAL LOAD DISCONNECT CONTACTS: "FEATURE 31" ARE AVAILABLE WHEN OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "OP2 AND/OR "OP3" WILL PROVIDE LOAD DISCONNECT FUNCTIONS WHEN THE FEATURE SETTING OF EACH IS SET TO OPERATE AS "FEATURE 31".

ALL OUTPUT CONTACTS ("OP1", "OP2", "OP3") SET TO OPERATE AS "FEATURE 31", SHARE THE COMMON TIME DELAY SETTINGS OF SUB-FEATURES 31F, 31G, 31M, AND 31N.

CONTACTS ARE RATED 5 AMPS RESISTIVE AT 30 VDC MAXIMUM, 100 mA AT 5 VDC MINIMUM.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR SETTING INFORMATION.

INPHASE TRANSFER FEATURE FOR LOAD TRANSFER

INPHASE TRANSFER CONTROL INITIATES AN INPHASE TRANSFER OF LOADS BETWEEN LIVE SOURCES. THIS IS USED TO PREVENT NUISANCE TRIPPING OF DISTRIBUTION CIRCUIT BREAKERS AND POSSIBLE DAMAGE TO MECHANICAL LOADS ASSOCIATED WITH OUT OF PHASE TRANSFER.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR SETTING INFORMATION.

SOURCE AVAILABILITY SIGNALS

SIGNALS INDICATING THE AVAILABILITY OF THE NORMAL & EMERGENCY SOURCES IS PROVIDED WHEN OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "RL5" (EMERGENCY SOURCE AVAILABLE) AND "RL6" (NORMAL SOURCE AVAILABLE) CHANGE POSITION WHEN THE SOURCE IS ACCEPTABLE.

CONTACTS ARE RATED 5 AMPS RESISTIVE AT 30 VDC MAXIMUM, 100 mA AT 5 VDC MINIMUM.

COMMON ALARM & NOT IN AUTO SIGNALING FEATURES

A SET OF FORM C CONTACTS IS PROVIDED ON THE GROUP G CONTROLLER AS "OP1". THE FEATURE SETTING OF "OP1" CAN BE SET TO OPERATE THE CONTACTS AS A "NOT IN AUTO" SIGNAL.

WHEN "OP1" IS SET FOR "NOT IN AUTO", THE OUTPUT CONTACTS CHANGE POSITION WHEN THE TRANSFER IS BEING INHIBITED FROM TRANSFERRING TO THE EMERGENCY SOURCE (FEATURE 34B) OR THE TRANSFER SWITCH HAS BEEN SET FOR NON-AUTOMATIC (MANUAL) OPERATION.

WHEN OPTIONAL ACCESSORY 11BE "SOFTWARE BUNDLE" IS PART OF THE TRANSFER SWITCH ASSEMBLY, "OP1" MAY ALTERNATIVELY SET FOR A "COMMON ALARM" SIGNAL. THE OUTPUT CONTACTS CHANGE POSITION WHEN A "COMMON ALARM" IS NOT PRESENT AND RESET WHEN A "COMMON ALARM" CONDITION IS PRESENT. THE "COMMON ALARM" SIGNAL CONDITIONS ARE SELECTABLE.

ADDITIONAL "COMMON ALARM" AND "NOT IN AUTO" CONTACTS ARE AVAILABLE WHEN OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "OP2 AND/OR "OP3" WILL PROVIDE SIGNAL FUNCTIONS WHEN THE FEATURE SETTING OF EACH IS SET TO OPERATE AS "COMMON ALARM" OR "NOT IN AUTO".

CONTACTS ARE RATED 5 AMPS RESISTIVE AT 30 VDC MAXIMUM, 100 mA AT 5 VDC MINIMUM.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR SETTING INFORMATION.

EXTERNAL POWER SUPPLY COMPATIBILITY

USE OF AN EXTERNAL POWER SUPPLY IS USEFUL WHEN REQUIRED TO EXTEND THE FOLLOWING CONTROLLER TIME DELAYS BEYOND 6 SECONDS;

FEATURE 1C - OVERRIDE MOMENTARY NORMAL SOURCE OUTAGES
FEATURE 1F - OVERRIDE MOMENTARY EMERGENCY SOURCE OUTAGES

AN EXTERNAL POWER SUPPLY IS ALSO USEFUL WHEN THE TRANSFER SWITCH IS USED WITH COMMUNICATIONS FEATURES BY ENABLING THE CONTROLLER TO CONTINUE COMMUNICATING.

AN EXTERNAL POWER SOURCE MAY BE PROVIDED TO THE CONTROLLER, UNTIL THE NORMAL SOURCE OR EMERGENCY SOURCE IS AVAILABLE, BY USE OF;

- AN EXTERNAL 24 VDC POWER SUPPLY WITH ACCESSORY 18RX (RELAY EXPANSION MODULE)
  OR
- OPTIONAL ACCESSORY 1UP (UNINTERRUPTIBLE POWER SUPPLY MODULE)

EXTERNAL 24 VDC POWER SUPPLY "1G":
AN EXTERNAL 24 VDC POWER SUPPLY MAY BE USED TO POWER THE CONTROLLER WHEN ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "OP2" WILL PROVIDE EXTERNAL 24 VDC POWER SUPPLY FUNCTIONALITY WHEN ITS FEATURE SETTING IS SET TO OPERATE AS "1G". ADDITIONALLY, JUMPERS MUST BE RECONFIGURED ON ACCESSORY 18RX (RELAY EXPANSION MODULE) TO ENABLE THIS FUNCTION AS FOLLOWS;

REMOVE JUMPERS "J1" 1-2 & "J1" 3-4
CONNECT JUMPERS "J1" 5-7 & "J1" 6-8

THE OUTPUT CONTACTS CHANGE POSITION WHEN EITHER THE NORMAL SOURCE OR EMERGENCY SOURCE IS AVAILABLE AND RESET WHEN NEITHER SOURCE IS AVAILABLE. THE "OP2" N/C CONTACT SWITCHES CUSTOMER PROVIDED +24 VDC FROM THE EXTERNAL POWER SUPPLY TO THE CONTROLLER.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR SETTING INFORMATION.

ACCESSORY 1UP (UNINTERRUPTIBLE POWER SUPPLY):
WHEN OPTIONAL ACCESSORY 1UP IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY, THE CONTROLLER IS PROVIDED WITH LIMITED RESERVE POWER (APPROXIMATELY 3 MINUTES).

LOAD CURRENT METERING

WHEN OPTIONAL ACCESSORY 23GB IS PART OF THE TRANSFER SWITCH ASSEMBLY, THREE PHASE CURRENT MEASUREMENTS ARE AVAILABLE FOR DISPLAY ON THE GROUP G CONTROLLER.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR INFORMATION ON USE.

ADVANCED-FUNCTION SOFTWARE BUNDLE

WHEN OPTIONAL ACCESSORY 11BE IS PART OF THE TRANSFER SWITCH ASSEMBLY, AN ADVANCED-FUNCTION SOFTWARE BUNDLE IS AVAILABLE TO PERFORM THE FOLLOWING FUNCTIONS;

- SERIAL COMMUNICATIONS (RS-485)
- PROGRAMMABLE ENGINE EXERCISER
- EVENT LOG
- COMMON ALARM SIGNAL CAPABILITY ON GROUP G CONTROLLER "OP1" OUTPUT.

(3 PHASE SENSING ONLY)
- 3 PHASE EMERGENCY SOURCE SENSING.
- PHASE ROTATION SENSING.
- EMERGENCY VOLTAGE UNBALANCE SENSING.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR INFORMATION ON THESE FUNCTIONS.

NON-AUTOMATIC (MANUAL) OPERATION

TRANSFER SWITCH ASSEMBLIES FACTORY SET FOR NON-AUTOMATIC OPERATION PROVIDE USER INITIATED, ELECTRICAL OPERATION OF THE TRANSFER SWITCH TO EITHER AVAILABLE SOURCE. THE TRANSFER SWITCH ASSEMBLY IS PHYSICALLY IDENTICAL TO THAT OF THE AUTOMATIC TYPE.

WHEN THE TRANSFER SWITCH IS SET FOR NON-AUTOMATIC OPERATION, A CUSTOMER PROVIDED SELECTOR SWITCH MAY BE USED TO OPERATE IT FROM A REMOTE LOCATION.

REMOTE CONTROL FEATURES

THE FOLLOWING CONTROL PANEL INPUTS PROVIDE REMOTE CONTROL FUNCTIONS FOR THE TRANSFER SWITCH. EACH FUNCTION CAN BE IMPLEMENTED BY THE CUSTOMER PROVIDING THE FORM OF CONTROL DESCRIBED. EACH CONTROL CONTACT MUST BE SUITABLE FOR A 5 VDC LOW ENERGY CIRCUIT.

EXTERNAL FEATURE 17: REMOTE TRANSFER TO EMERGENCY FEATURE (FOR AUTOMATIC TRANSFER TYPE ONLY) - REQUIRES A CUSTOMER SUPPLIED, NORMALLY CLOSED CONTACT. OPENING OF THE CONTACT CAUSES ENGINE START AND TRANSFER TO THE EMERGENCY SOURCE. RE-CLOSURE OF THE CONTACT ACTIVATES THE FEATURE 3A "RETRANSFER TO NORMAL (IF JUST TEST) TIME DELAY PRIOR TO RETRANSFER. IN THE EVENT THAT THE EMERGENCY SOURCE FAILS WHILE THE TRANSFER SWITCH IS CONNECTED TO EMERGENCY AND THE CUSTOMER SUPPLIED CONTACT IS OPEN, THE TRANSFER SWITCH WILL AUTOMATICALLY RETRANSFER TO THE NORMAL SOURCE.

EXTERNAL FEATURE 6B: REMOTE BYPASS OF RETRANSFER TO NORMAL TIME DELAY - REQUIRES A CUSTOMER SUPPLIED, NORMALLY CLOSED CONTACT. OPENING OF THE CONTACT BYPASSES FEATURE 3A RETRANSFER TO NORMAL DELAY IF ACTIVE.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR SETTING INFORMATION.

ACCESSORIES

NOTES

1. SWITCH SHOWN DE-ENERGIZED CONNECTED TO NORMAL SOURCE.
2. DEVICE SYMBOLS AND DESIGNATIONS ARE IN ACCORDANCE WITH NEMA PUB. ICS 1, PART 1-101A.
3. ALL WIRING IS #16 AWG, TINNED, STRANDED COPPER UNLESS OTHERWISE INDICATED.
4. INDICATES CUSTOMER CONNECTION POINTS.
5. INDICATES FACTORY CONNECTION POINTS.
6. CONNECTION POINTS THAT HAVE BOTH CUSTOMER CONNECTIONS AND FACTORY CONNECTIONS ARE SHOWN OPEN AS CUSTOMER CONNECTION POINTS.
7. THE TRANSFER UNIT IS MOUNTED ON THE BACK INSIDE SURFACE OF THE ENCLOSURE. THE CONTROL PANEL AND ANY OPTIONAL ACCESSORIES ARE MOUNTED ON THE INSIDE SURFACE OF THE DOOR.
8. AN OPERATOR'S MANUAL IS FURNISHED WITH EACH AUTOMATIC TRANSFER SWITCH. REFER TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE SWITCH.
9. GROUND STRAP ON CONTROL PANEL IS AFFIXED TO CHASSIS (ENCLOSURE) AT LOWER LEFT CONTROL PANEL MOUNTING STUD.

CATALOG NUMBER SUFFIXES

TS FRAME	CATALOG NEUTRAL TYPE	CATALOG NEUTRAL TYPE	PHASE POLES	AMPS	VOLT CODE	CONTROLLER	OPTIONAL ACCESSORY	ENCLOSURE CODE
G	3ATS	A	3	1000	C	G	X	C
	3NTS	B		1200	D			F
				1600	E			G
				2000	F			H
				2600	G			L
				3000	H			M
				3200	J			N
					K			P
					L			Q
					M			
					N			
					P		BLANK FOR NONE	BLANK FOR OPEN TYPE
					Q			
					R			

EXPLANATION OF CATALOG NUMBER CODES

NEUTRAL TYPE CODE	NEUTRAL TYPE DESCRIPTION
A	SOLID
B	SWITCHING

VOLTAGE CODES 3 PHASE (3 OR 4 WIRE) 60 OR 50 Hz CODE	NOMINAL VOLTAGE
C	208
D	220
E	230
F	240
G	277
H	380
J	400
K	415
L	440
M	460
N	480
P	550
Q	575
R	600

ENCLOSURE CODES CODE	TYPE	DESCRIPTION
BLANK		OPEN TYPE (NO ENCLOSURE)
C	1	GENERAL PURPOSE, INDOOR
F	3R	OUTDOOR, RAINPROOF, SLEET & ICE RESISTANT
G	4	INDOOR/OUTDOOR, WATERTIGHT & DUSTTIGHT
H	4X	TYPE 4 PLUS CORROSION RESISTANCE (STAINLESS STEEL)
L	12	INDOOR, INDUSTRIAL ENVIRONMENTS, OILTIGHT & DUSTTIGHT
		(SECURE ENCLOSURES)
M	3R	OUTDOOR, RAINPROOF, SLEET & ICE RESISTANT
N	4	INDOOR/OUTDOOR, WATERTIGHT & DUSTTIGHT
P	4X	TYPE 4 PLUS CORROSION RESISTANCE (STAINLESS STEEL)
Q	12	INDOOR, INDUSTRIAL ENVIRONMENTS, OILTIGHT & DUSTTIGHT

CATALOG NUMBER _____
ASCO ● CERTIFIED TO S.O. _____
BY _____
DATE _____
FORM REV J
PROJECT NAME:

REV.	TO SHEET	ECN NO.	BY	APP.	DATE
J		278211	TR	BK	10/16/18
		SEE ECN			
H		265313	TR	BK	1/31/17
		SHT 4 SINGLE PHASE EMGR.			
G		254870	TR	BK	05/26/16
		SEE ECN			
F		262347	MPP	AB	12/22/14
		SEE ECN			
E		247772	SDH	SDH	4/14/14
		SEE ECN			
D		247048	TR	BK	3/4/14
		SEE ECN			
C		246325	AE	BK	01/16/14
		SEE ECN			
B		246211	AE	BK	01/10/14
		SEE ECN			
A		246069	BK	BK	12/23/13
		SEE ECN			
—		246072	BK	BK	10/28/13
		ISSUE			

WIRING DIAGRAM
300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS
"G" FRAME, GROUP G CONTROLS
THIRD ANGLE PROJECTION

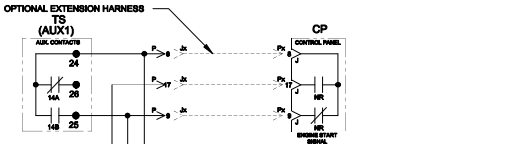
	BY	DATE
DRAWN BY	DJB	10/05/18
CHECKED	BK	10/05/18
PROJECT APPROVAL	BK	10/05/18
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE SP-1-005. FOR PLASTIC PARTS SEE MP-1-005
ASSEM. REF. NO.

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

COMPUTER GENERATED DRAWING
SCALE NONE SIZE DS
DWG. NO. 1001662
DRAWING REV. J REV. NO. 278211 SHEET 1 OF 7

FIELD CONNECTIONS



LOCATED ON FRONT OF TRANSFER SWITCH FRAME

TB (FIELD CONNECTIONS), WIRE RANGE: 22-12 AWG

- COMMON
- FEATURE 7 — CLOSES TO START
- FEATURE 8 — OPENS TO START

ENGINE STARTING SIGNALS (5 AMPS, 32VDC)

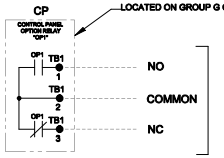
- COMMON
- FEATURE 14B — CLOSED ON EMERGENCY
- FEATURE 14A — CLOSED ON NORMAL
- COMMON
- FEATURE 14BA — CLOSED ON EMERGENCY
- FEATURE 14AA — CLOSED ON NORMAL

STANDARD TS AUXILIARY CONTACTS (10 AMPS, 32VDC) (10 AMPS, 250VAC) GENERAL PURPOSE

- COMMON
- FEATURE 14BB — CLOSED ON EMERGENCY
- FEATURE 14AB — CLOSED ON NORMAL
- COMMON
- FEATURE 14BC — CLOSED ON EMERGENCY
- FEATURE 14AC — CLOSED ON NORMAL

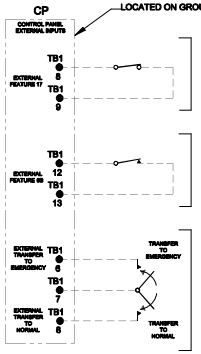
OPTIONAL TS AUXILIARY CONTACTS (10 AMPS, 32VDC) (10 AMPS, 250VAC) GENERAL PURPOSE

CONTROLLER OPTION RELAY "OP1" (STANDARD)



OPTION RELAY "OP1" (5 AMPS, 30 VDC MAX.) (100 mA, 5 VDC MIN.) REFER TO USER'S GUIDE PN 361333-400 FOR SETTING INFORMATION.

CONTROLLER REMOTE CONTROL FEATURES

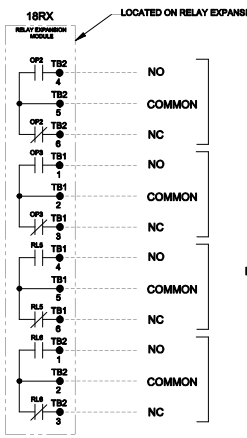


EXTERNAL FEATURE 17
REMOTE TRANSFER TO EMERGENCY
[AUTOMATIC TRANSFER TYPE ONLY]
OPEN TO TRANSFER TO EMERGENCY
(N/C CONTACT, 5VDC LOW ENERGY RATING)
REFER TO USER'S GUIDE PN 361333-400 FOR SETTING INFORMATION.

EXTERNAL FEATURE 6B
REMOTE BYPASS OF RETRANSFER TO NORMAL TIME DELAY
OPEN TO BYPASS TIME DELAY
(MOMENTARY N/C CONTACT, 5VDC LOW ENERGY RATING)
REFER TO USER'S GUIDE PN 361333-400 FOR SETTING INFORMATION.

EXTERNAL MANUAL TRANSFER
REMOTE TRANSFER TO NORMAL OR EMERGENCY
[NON-AUTOMATIC TRANSFER TYPE ONLY]
(MOMENTARY SPDT, CENTER-OFF CONTACTS, 8VDC LOW ENERGY RATING)

OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE)



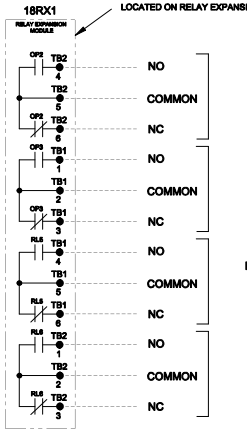
OPTION RELAY "OP2" AS OUTPUT RELAY
SET JUMPERS J1: 1-2 & 3-4
(5 AMPS, 30 VDC MAX.) (100 mA, 5 VDC MIN.)
REFER TO USER'S GUIDE PN 361333-400 FOR SETTING INFORMATION.

OPTION RELAY "OP3"
(5 AMPS, 30 VDC MAX.) (100 mA, 5 VDC MIN.)
REFER TO USER'S GUIDE PN 361333-400 FOR SETTING INFORMATION.

EMERGENCY SOURCE ACCEPTABLE SIGNAL
(5 AMPS, 30 VDC MAX.) (100 mA, 5 VDC MIN.)

NORMAL SOURCE ACCEPTABLE SIGNAL
(5 AMPS, 30 VDC MAX.) (100 mA, 5 VDC MIN.)

OPTIONAL ACCESSORY 18RX1 (SECOND RELAY EXPANSION MODULE)



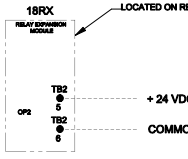
OPTION RELAY "OP2"
SET JUMPERS J1: 1-2 & 3-4
(5 AMPS, 30 VDC MAX.) (100 mA, 5 VDC MIN.)
REFER TO USER'S GUIDE PN 361333-400 FOR SETTING INFORMATION.

OPTION RELAY "OP3"
(5 AMPS, 30 VDC MAX.) (100 mA, 5 VDC MIN.)
REFER TO USER'S GUIDE PN 361333-400 FOR SETTING INFORMATION.

EMERGENCY SOURCE ACCEPTABLE SIGNAL
(5 AMPS, 30 VDC MAX.) (100 mA, 5 VDC MIN.)

NORMAL SOURCE ACCEPTABLE SIGNAL
(5 AMPS, 30 VDC MAX.) (100 mA, 5 VDC MIN.)

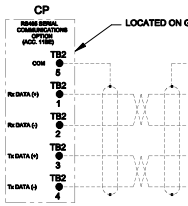
"OP2" OPTIONAL USES



OPTION RELAY "OP2" AS EXTERNAL POWER SUPPLY INPUT "1G"
SET JUMPERS AS FOLLOWS; REMOVE JUMPERS "J1" 1-2 & "J1" 3-4 CONNECT JUMPERS "J1" 5-7 & "J1" 6-8
(24 VDC NOM., 16 W MAX.) INPUT RANGE: 21.6 VDC MIN 27.6 VDC MAX.
REFER TO USER'S GUIDE PN 361333-400 FOR SETTING INFORMATION.

RS485 SERIAL COMMUNICATIONS OPTION

AVAILABLE WITH OPTIONAL ACCESSORY 118E: ADVANCED-FUNCTION SOFTWARE BUNDLE
REFER TO USER'S GUIDE PN 361333-400 FOR SETTING INFORMATION.



TO OTHER ASCO SERIAL COMMUNICATIONS DEVICES

NOTES:
1. EARTH GROUND SHIELD AT HOST DEVICE ONLY.
2. FIELD WIRING: USE UL LISTED, STRANDED, TWISTED PAIRS, OVERALL FOIL SHIELD WITH STRANDED DRAIN WIRE SUITABLE FOR RS422 EQUIVALENT TO:

(STANDARD 60°C) BELDEN 9842 OR 9829 OR ALPHA 6222C OR 5222C

(PLENUM RATED) BELDEN 89729 OR 82729 OR ALPHA 59802

J	275211	TR	BK	10/16/19
	SEE ECN			
H	265915	TR	BK	1/31/17
	SHT 4 SINGLE PHASE EMGR.			
G	264970	TR	BK	05/26/16
	SEE ECN			

PROJECT NAME:			REV. TO SHEET	ECN NO.	BY / APP. / DATE
WIRING	DIAGRAM				
300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS "G" FRAME, GROUP G CONTROLS					THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	DJB	10/28/19
CHECKED	BK	10/28/19
PROJECT APPROVAL	BK	10/28/19
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-4000. FOR PLASTIC PARTS SEE MP-4200. ARENA REF. NO.

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

COMPUTER GENERATED DRAWING

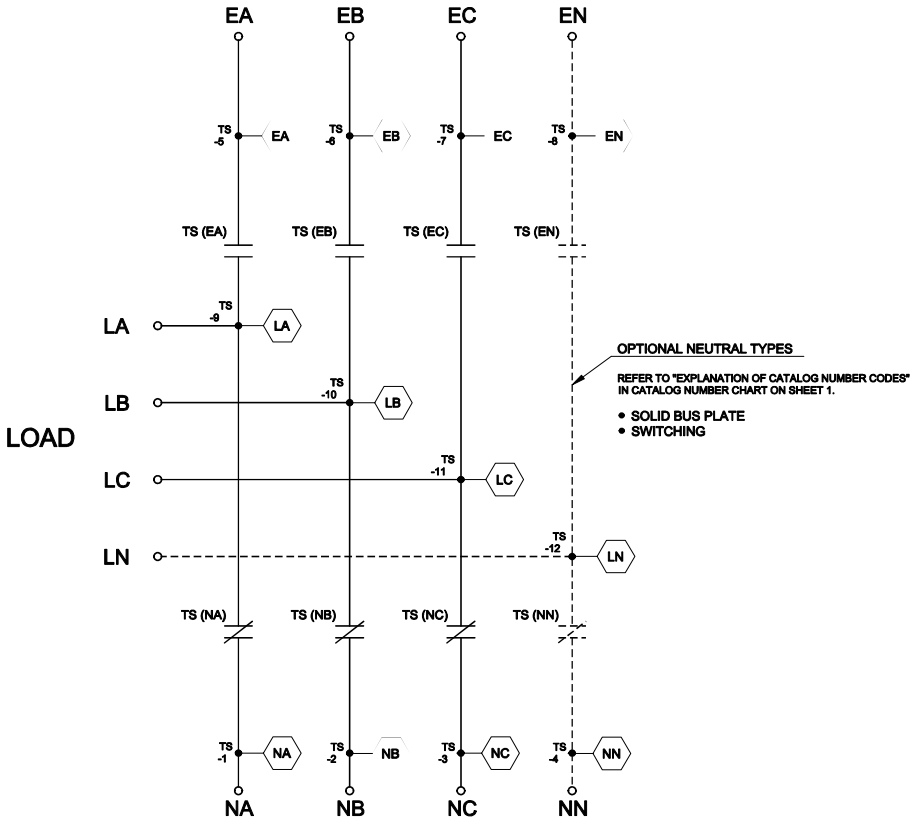
SCALE: NONE SIZE: DS

DWG. NO. 1001662

DRAWING REV. J ECN NO. 275211 SHEET 2 OF 7

MAIN POWER POLES

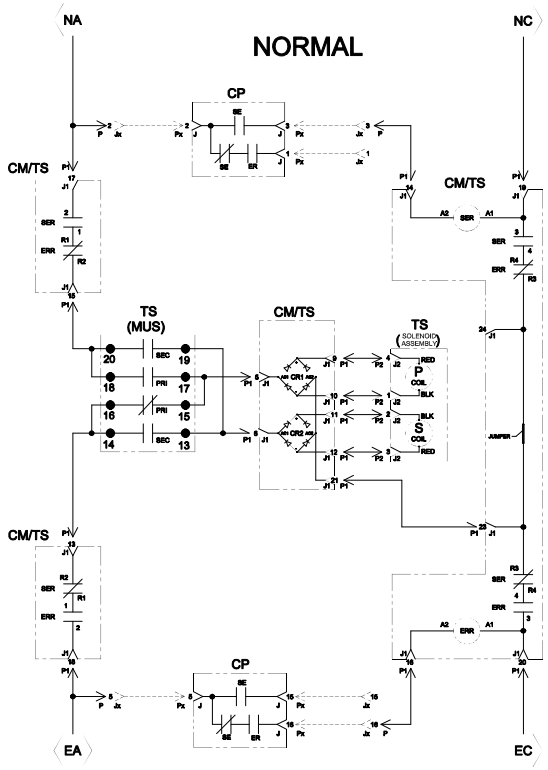
EMERGENCY



NORMAL

NOTE:
ATS/NTS SHOWN CLOSED ON NORMAL SOURCE.

TS OPERATOR CIRCUIT



TS (MUS) CONTACTS SOLENOID POSITION					
MUS	NORM	>	AFTER TDC*	<	EMER
13-14					
15-16					
17-18					
19-20					

* AFTER SOLENOID PASSES THROUGH TOP DEAD CENTER POSITION.

J	275211	TR	BK	10/16/19
	SEE ECN			
H	265915	TR	BK	1/31/17
	SHT 4 SINGLE PHASE EM/OPL			
G	264870	TR	BK	05/25/16
	SEE ECN			

PROJECT NAME:

WIRING DIAGRAM

300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS
"G" FRAME, GROUP G CONTROLS

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	DJB	10/29/19
CHECKED	BK	10/29/19
PROJECT APPROVAL	BK	10/29/19
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-4-005. FOR PLASTIC PARTS SEE MP-4-006

ARENA REF. NO.

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

COMPUTER GENERATED DRAWING

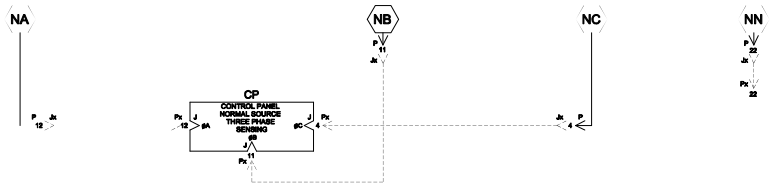
SCALE NONE SIZE DS

DWG. NO. 1001662

DRAWING REV. J DCN NO. 275211 SHEET 3 OF 7

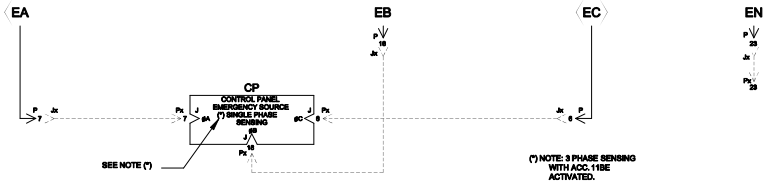
NORMAL SOURCE CIRCUITS

NORMAL



EMERGENCY SOURCE CIRCUITS

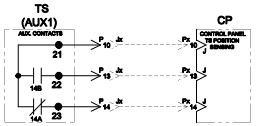
EMERGENCY



LOAD TERMINAL CIRCUITS

LOAD

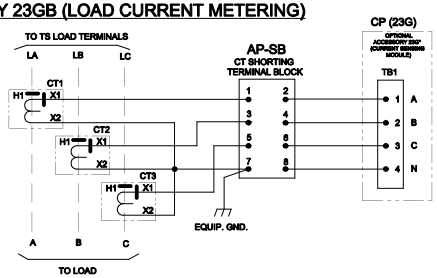
CONTROL SIGNALS & INDICATION



ADDITIONAL CIRCUITS

OPTIONAL ACCESSORY 23GB (LOAD CURRENT METERING)

CURRENT TRANSFORMER RATIO TABLE	
SWITCH RATING	CT RATIO
1000A	1200:5A
1200A	
1600A	2000:5A
2000A	
2600A	3000:5A
3000A	
3200A	4000:5A



J	275211	TR	BK	10/18/19
	SEE ECN			
H	265013	TR	BK	1/01/17
	SHT 4 SINGLE PHASE EMOR.			
G	264970	TR	BK	05/26/16
	SEE ECN			

PROJECT NAME:

WIRING DIAGRAM

300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS

"G" FRAME, GROUP G CONTROLS

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	DJB	10/09/19
CHECKED	BK	10/09/19
PROJECT APPROVAL	BK	10/09/19
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE SP-1-005. FOR PLASTIC PARTS SEE SP-1-006

ASSEM. REF. NO.

PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

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

COMPUTER GENERATED DRAWING

SCALE NONE SIZE DS

DWG. NO. 1001662

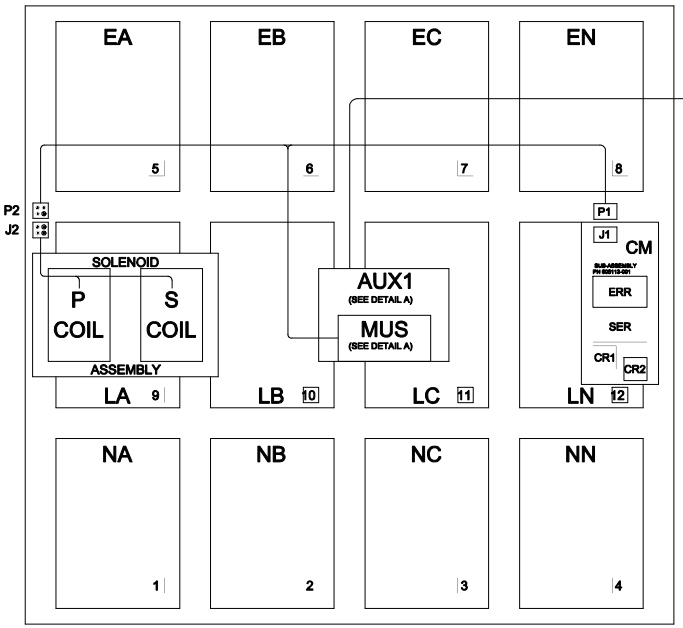
DRAWING REV. J REV. NO. 275211

SHEET 4 OF 7

PHYSICAL DIAGRAM

ENCLOSURE

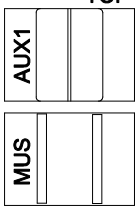
TS (TRANSFER SWITCH)



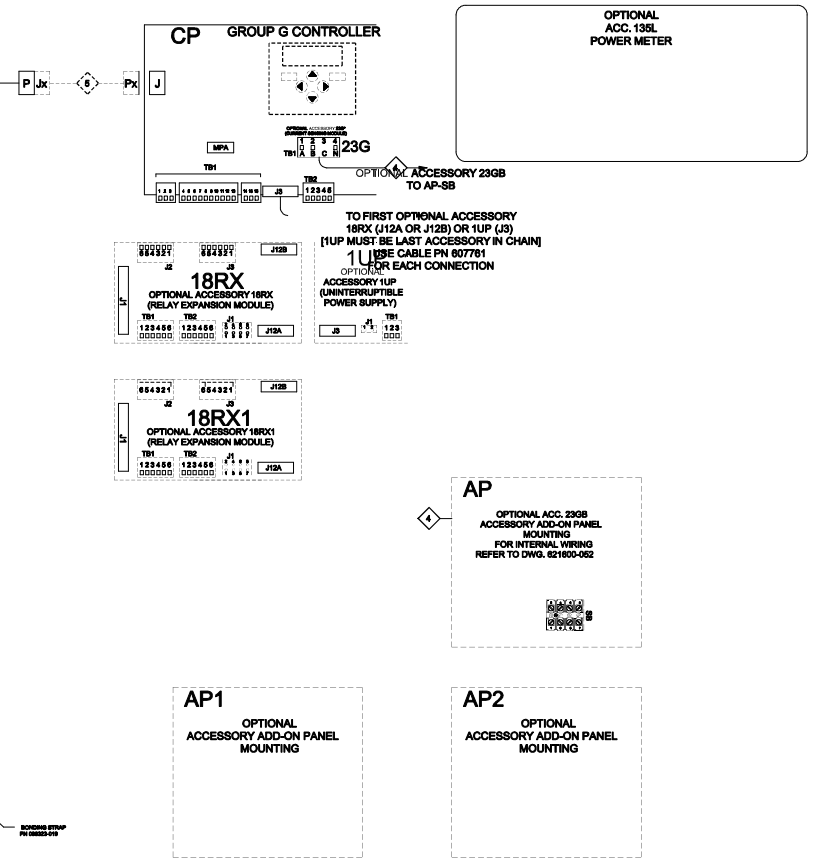
TB 1 → 15

FIELD INTERFACE TERMINAL BLOCK
FOR ACCESSORIES 7, 8, 14A & 14B
(MOUNTED ON FRONT TRANSFER SWITCH FRAME)

DETAIL A
MUS & AUX1
TOP VIEW



DOOR, INSIDE



NOTE: PHYSICAL MAY VARY BASED ON
ENCLOSURE PROVIDED.

REV. TO SHEET	ECN NO.	BY	APP.	DATE
J	275211	TR	BK	10/16/19
	SEE ECN			
H	265013	TR	BK	1/31/17
	SHT 4 SINGLE PHASE EM/GR.			
G	254970	TR	BK	05/26/16
	SEE ECN			

PROJECT NAME:

WIRING DIAGRAM

300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS
"G" FRAME, GROUP G CONTROLS

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	DJB	10/28/19
CHECKED	BK	10/28/19
PROJECT APPROVAL	BK	10/28/19
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-005.
FOR PLASTIC PARTS SEE MP-1-006

ARENA REF. NO.

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

COMPUTER GENERATED DRAWING

SCALE NONE SIZE DS

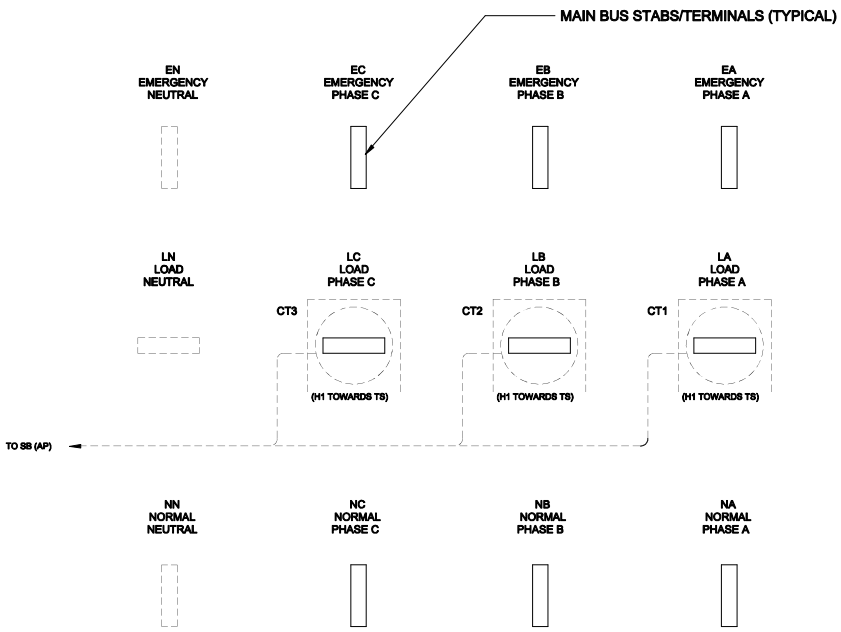
DWG. NO. 1001662

DRAWING REV. J ECN NO. 275211 SHEET 5 OF 7

PHYSICAL DIAGRAM (CONTINUED)

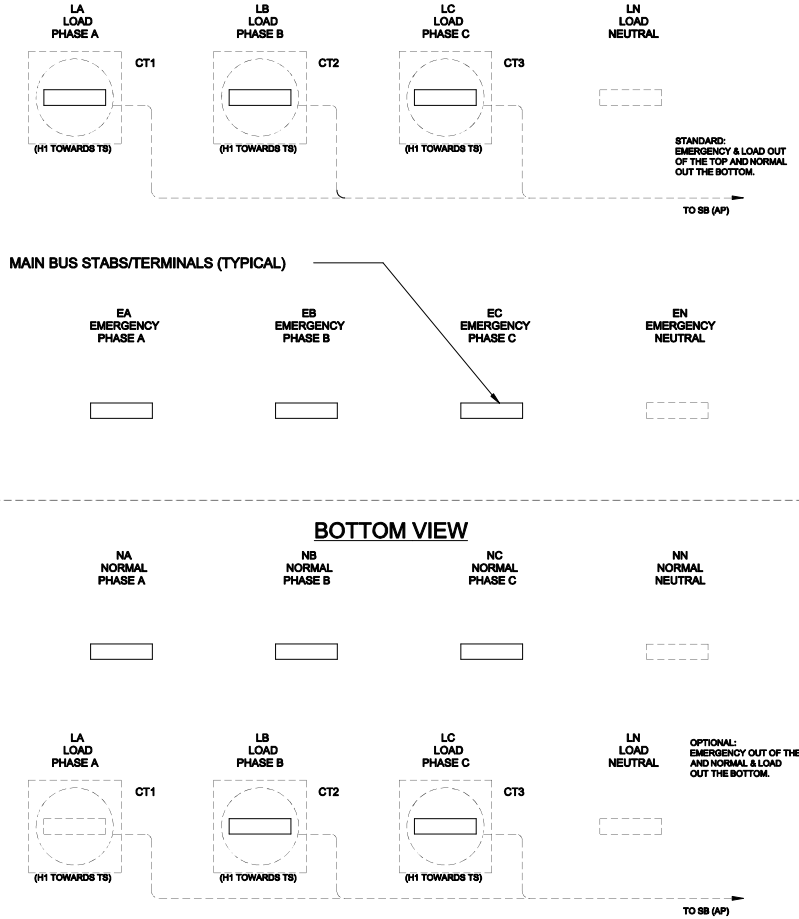
REAR CONNECTED SWITCH
1000 - 3200 AMP. TS REAR VIEW

OPTIONAL ACCESSORY 23GB
(LOAD CURRENT METERING)



FRONT CONNECTED SWITCH
1000 - 2000 AMP. TS TOP VIEW

OPTIONAL ACCESSORY 23GB
(LOAD CURRENT METERING)



BOTTOM VIEW

REV. TO SHEET	ECN NO.	BY	APP.	DATE
J	275211 SEE ECN	TR	BK	10/16/19
H	265913 SHT 4 SINGLE PHASE EM0PL	TR	BK	1/31/17
G	264970 SEE ECN	TR	BK	05/28/16

PROJECT NAME:

WIRING DIAGRAM

300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS
"G" FRAME, GROUP G CONTROLS

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	DJB	10/09/19
CHECKED	BK	10/09/19
PROJECT APPROVAL	BK	10/09/19
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE SP-1-005. FOR PLASTIC PARTS SEE MP-1-005

ASSEM. REF. NO.

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

COMPUTER GENERATED DRAWING

SCALE NONE SIZE DS

DWG. NO. 1001662

DRAWING REV. J ECN NO. 276211 SHEET 6 OF 7

WIRE RUN LISTING

1 HARNESS LOCATOR — NON CHECKED IF HARNESS IS SHIPPED ☒

WIRE No.	HARNESS 605454 (P,P1,P2,J3) MAIN TS	CLR	AWG
			16
1	P-2,TS-1		
2	P-3,P1-14		
3	P-4,TS-3		
4	P-5,TS-5		
5	P-6,TS-7		
4	P-7,TS-4		
6	P-8,TS(AUX1)-24		
6	TS(AUX1)-24,J3-1		
7	P-9,TS(AUX1)-25		
7	TS(AUX1)-25,J3-2		
8	P-10,TS(AUX1)-21		
9	P-11,TS-2		
10	P-12,TS-1		
11	P-13,TS(AUX1)-22		
12	P-14,TS(AUX1)-23		
13	P-16,P1-16		
14	P-17,J3-3		
15	P-18,TS-6		
16	P-19,TS-9		
17	P-20,TS-10		
18	P-21,TS-11		
19	P-22,TS-4		
20	P-23,TS-8		
21	P-24,TS-12		
22	P1-5,TS(MUS)-17		
22	TS(MUS)-17,TS(MUS)-15		
23	P1-6,TS(MUS)-19		
23	TS(MUS)-19,TS(MUS)-13		
24	P1-9,P2-4		
25	P1-10,P2-1		
26	P1-11,P2-2		
27	P1-12,P2-3		
28	P1-13,TS(MUS)-18		
28	TS(MUS)-18,TS(MUS)-14		
29	P1-15,TS(MUS)-20		
29	TS(MUS)-20,TS(MUS)-16		
1	P1-17,TS-1		
4	P1-18,TS-5		
3	P1-19,TS-3		
5	P1-20,TS-7		
30	P1-21,P1-23		
	REMOVE WIRES		
6	TS(AUX1)-24,J3-1		
7	TS(AUX1)-25,J3-2		
14	P-17,J3-3		
	ADD WIRES		
6	TS(AUX1)-24,TB-1		
7	TS(AUX1)-25,TB-2		
200	P-1		
14	P-17,TB-3		
222	P-15		

2 HARNESS LOCATOR — NON CHECKED IF HARNESS IS SHIPPED ☒

WIRE No.	TS STD. AUX. CONTACTS	CLR	AWG
			16
40	TB-4,TS(AUX1)-27		
41	TB-5,TS(AUX1)-28		
42	TB-6,TS(AUX1)-29		
43	TB-7,TS(AUX1)-30		
44	TB-8,TS(AUX1)-31		
45	TB-9,TS(AUX1)-32		

3 HARNESS LOCATOR — NON CHECKED IF HARNESS IS SHIPPED ☐

WIRE No.	OPTIONAL AUX. CONTACTS	CLR	AWG
			16
46	TB-10,TS(AUX1)-33		
47	TB-11,TS(AUX1)-34		
48	TB-12,TS(AUX1)-35		
49	TB-13,TS(AUX1)-36		
50	TB-14,TS(AUX1)-38		
51	TB-15,TS(AUX1)-37		

4 HARNESS LOCATOR

WIRE No.	OPTIONAL ACCESSORY 23GB (CT*,AP-SB,CP(23G)-TB1)	CLR	AWG
			16
230	CT1-X1,AP-SB-1		
230	AP-SB-2,CP(23G)-TB1-1		
231	CT2-X1,AP-SB-3		
231	AP-SB-4,CP(23G)-TB1-2		
232	CT3-X1,AP-SB-5		
232	AP-SB-6,CP(23G)-TB1-3		
233	CT1-X2,CT2-X2	GRN	
233	CT2-X2,CT3-X2	GRN	
233	CT3-X2,AP-SB-7	GRN	
233	AP-SB-7,EQUIP. GRD.	GRN	
233	AP-SB-8,CP(23G)-TB1-4	GRN	

5 HARNESS LOCATOR — NON CHECKED IF HARNESS IS SHIPPED ☐

WIRE No.	HARNESS 309320-005 OPTIONAL 8 IN. EXTENSION HARNESS	CLR	AWG
200	Jx-1,Px-1		16
1	Jx-2,Px-2		
2	Jx-3,Px-3		
3	Jx-4,Px-4		
4	Jx-5,Px-5		
5	Jx-6,Px-6		
4	Jx-7,Px-7		
6	Jx-8,Px-8		
7	Jx-9,Px-9		
8	Jx-10,Px-10		
9	Jx-11,Px-11		
10	Jx-12,Px-12		
11	Jx-13,Px-13		
12	Jx-14,Px-14		
222	Jx-15,Px-15		
13	Jx-16,Px-16		
14	Jx-17,Px-17		
15	Jx-18,Px-18		
16	Jx-19,Px-19		
17	Jx-20,Px-20		
18	Jx-21,Px-21		
19	Jx-22,Px-22		
20	Jx-23,Px-23		
21	Jx-24,Px-24		

WIRE No.	ADDITIONAL WIRING	CLR	AWG
			16

REV.			
J	272211 SEE ECN	TR	BK 10/18/16
H	265013 SHT 4 SINGLE PHASE ENGR.	TR	BK 1/31/17
G	264970 SEE ECN	TR	BK 05/26/16

PROJECT NAME: | REV. TO SHEET | ECN NO. | BY | APP. | DATE

WIRING DIAGRAM

300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS

"G" FRAME, GROUP G CONTROLS

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	DJB	10/09/15
CHECKED	BK	10/09/15
PROJECT APPROVAL	BK	10/09/15
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1005. FOR PLASTIC PARTS SEE MP-1006

ASSEM. REF. NO.

COMPUTER GENERATED DRAWING

SCALE NONE SIZE DS

DWG. NO. 1001662

DRAWING REV. J ECN NO. 272211 SHEET 7 OF 7

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