

G-Frame Stock Order 10.23

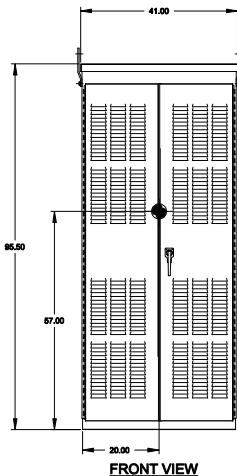
Transfer Switch Details

#1	ATS	AMPS: 3000	QTY: 2
Product	:	Series 300	Catalog Number : G03AUSB33000NGXM
Service Voltage / Hz	:	480V/60Hz	Optional Accessories : 11BE,40PB,44G,119M1
Bypass Isolation	:	Not Applicable	Product Description : 300 Series, Automatic Service Entrance Transfer Switch
No. of Switched Poles: 4	:	4	Neutral Configuration : Switched [B]
Withstand Rating:	:	See WCR Table Below Frame = G, Switch Rating = 3000, Series = 300	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 :

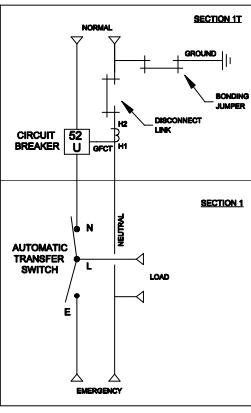
#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it also enables: (1) 3-Phase Emergency Source VLL sensing (2) Phase Rotation Monitoring (3) Emergency Source VLL Unbalance Monitoring.
2	40PB	Normal and Emergency Reversed (Available on all frames and sizes)
3	44G	Strip heater w/ thermostat, wired to load terminals: 208-600 volts
4	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.

8 7 6 5 4 3 2 1

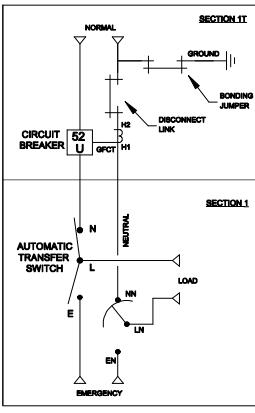
D

FRONT VIEW
WITHOUT EXTERIOR DOORS

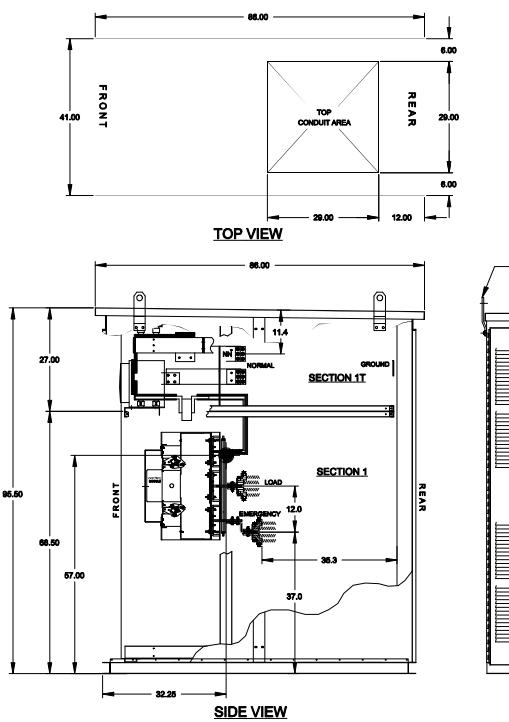
ONE LINE DIAGRAMS



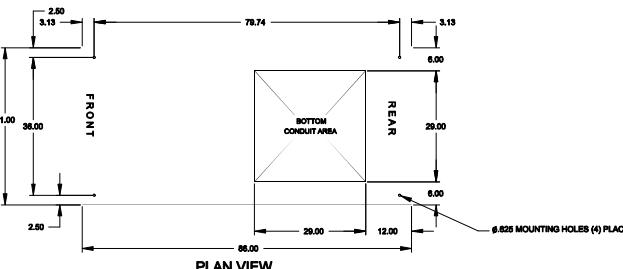
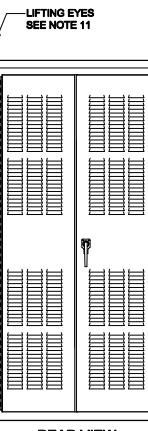
(WITH SOLID NEUTRAL)



(WITH SWITCHED/OVERLAPPING NEUTRAL)



SIDE VIEW



GENERAL NOTES

1. FLOOR MOUNTED ENCLOSURE
TYPE SR CONSTRUCTION FROM CODE GAUGE STEEL
FINISH: TYPE 304, AND 316 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER.

TYPE SR EXTERIOR CONSTRUCTED FROM CODE GAUGE STAINLESS STEEL.
(R) EXTERIOR CONSTRUCTED FROM TYPE 304 STAINLESS STEEL.
(S) EXTERIOR CONSTRUCTED FROM TYPE 316 STAINLESS STEEL.

2. EXTERIOR DOORS HAVE PADLOCKABLE HANDLES WITH 3-POINT LATCH

3. DESIGNED FOR FRONT & REAR ACCESS

4. RECOMMENDED CLEARANCES: FRONT: 30° REAR: 30°

5. EXTERIOR VENTS ARE SUPPLIED WITH POLYESTER DUST FILTERS.

6. LIFTING PLATES: SECTION 1: SECTION 1 ARE SUPPLIED WITH LIFTING PLATES. INSPECT PLATES FOR DAMAGE AND TORQUE BOLTS TO 45 FT LBS BEFORE USE. REFER TO ANS/NEEMA PB 2.1 FOR PROPER HANDLING OF EQUIPMENT. AFTER INSTALLATION OF SECTION 1, REMOVE LIFTING PLATES. REINSTALL BOLTS INTO EXTERIOR HOLES AND TORQUE TO APPROXIMATELY 20 FT LBS.

7. SECTION 1 AND SECTION 1 SHIP AS ONE UNIT

8. CENTER OF GRAVITY

9. APPROXIMATE WEIGHT: 3250LB.

SYSTEM NOTES

1. SYSTEM RATING: 2500 AMPS, 3000 AMPS, 36, 4W.

SHORT CIRCUIT RATING- 100,000 RMS SYM AMPERES @ 480V.
THE EMERGENCY SOURCE MUST BE PROTECTED BY A REMOTE OVERCURRENT PROTECTION DEVICE AS LISTED ON THE MARKINGS ON THE TRANSFER SWITCH.

2. ALL BUS IS SILVER-PLATED COPPER, BASED ON 800A PER SQ. IN. DENSITY.

3. GROUND BUS: 20% RATED.

4. NEUTRAL BUS: 100% RATED.

5. APPLICABLE LABELS: UL 691- SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT.

TRANSFER SWITCH

1. G FRAME AUTOMATIC TRANSFER SWITCH 2500A - 3000A.

2. TRANSFER SWITCH RATING: 2600 AMPS, 3000 AMPS.

SHORT CIRCUIT RATING WHEN PROTECTED BY A CIRCUIT BREAKER
TIME RESPONSE, MAXIMUM 0.05 SECONDS: 100,000 RMS SYM @ 480V

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

4. UL 1008

TERMINATIONS 2500-3000 AMPS

1. SUPPLIED WITH MECHANICAL (SCREW TYPE) LUGS FOR CUAL CABLE.

NORMAL: (12) 10 - 800MCM PER PHASE & NEUTRAL

LOAD: (12) 10 - 800MCM PER PHASE & NEUTRAL

EMERGENCY: (12) 10 - 600MCM PER PHASE & NEUTRAL

GND: (28) 10 - 800MCM

A. SUITABLE WIRE BENDING SPACE IS PROVIDED AS PER NEC.

2. OPTIONAL LUGS MAY BE SUPPLIED.

SERVICE ENTRANCE BREAKER: ITEM 52U

1. SQUARE "D" 100% RATED, TYPE NW-3000AF2500AT OR 2500AF2500AT STATIONARY MOUNTED
MANUALLY OPERATED, WITH LONG DELAY, SHORT DELAY, INSTANTANEOUS AND GROUND FAULT TRIP SETTINGS

2. OPTIONAL ENERGY REDUCTION MAINTENANCE SETTING (ERMS) SYSTEM MAY BE SUPPLIED.

3. UL 1008

G	307480	NIC	MICH 050124
F	278760	VAK	IN 05-10-19
E	362400	IN	0502415
D	321820	LC	IN 0502111
C	221420	DP	IN 051008
B	216100	AE	WK 0422008
A	214574	TR	WK 0507
		SEE EON	

PROJECT NAME:	OUTLINE:	MOUNTING:
GAUS 2500A - 3000A, NW SERVICE ENTRANCE BREAKER ON NORMAL. TYPE SRW250X 60 X 41 X 65		
DRAWN BY:	DATE:	MANUFACTURING INSTRUCTIONS TO BE IN ACCORDANCE WITH ASME PROCEDURE NO. E
SUPERVISED BY:	REVIEWED BY:	ASME, REP. NO.
CHIEF DESIGNER:	DESIGNER:	CODE NO. -
PROJECT NUMBER:	PROJECT NUMBER:	DS
PROD. APPROVAL:	PROD. APPROVAL:	PRINTED BY:
ASCO® ASCO POWER TECHNOLOGIES, LP. FLORHAM PARK, NEW JERSEY 07045 U.S.A.		
754577-053		
DRAWN BY: G DATE: 07/05/05 INSTR. NO. 307450 INSTR. REV. 1 OF 1		

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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 (18RX, 240) 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: OVERRIDE OF FORM C CONTACTS "NFC" (FEAT. 7 AND FEAT. 8 NOT TO CHANGE POSITION ON EXPIRATION OF THE FEATURE 10; OVERRIDE MOMENTARY NORMAL SOURCE OUTAGES TIME DELAY, AND RESET ON EXPIRATION OF THE FEATURE 10; ENGINE COOLDOWN TIME DELAY).

AN AUXILIARY CONTACT THAT IS CLOSED WHEN THE TRANSFER SWITCH IS CONNECTED TO THE EMERGENCY SOURCE, IS CONNECTED ACROSS THE NC CONTACT (FEATURE 7).

AN 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 "NFC".

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" WILL 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 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 FUNCTION 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. V-OUTPUT CONTACTS "RL6" (EMERGENCY SOURCE AVAILABLE) AND "RL5" (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.

NOTES

1. SWITCH SHOWN DE-ENERGIZED CONNECTED TO NORMAL SOURCE.
2. DESIGN 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. CONNECTION POINTS THAT HAVE BOTH CUSTOMER CONNECTIONS AND FACTORY CONNECTIONS ARE SHOWN OPEN AS CUSTOMER CONNECTION POINTS.

6. ALL OPERATOR'S MANUAL IS FURNISHED WITH EACH AUTOMATIC TRANSFER SWITCH. THIS PUBLICATION IS NOT TO BE REFERRED TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE SWITCH.

7. AN OPERATOR'S MANUAL IS FURNISHED WITH EACH AUTOMATIC TRANSFER SWITCH. THIS PUBLICATION IS NOT TO BE REFERRED TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE SWITCH.

8. GROUND STRAP ON CONTROL PANEL IS AFFIXED TO CHASSIS (ENCLOSURE) AT LOWER LEFT CONTROL PANEL MOUNTING STUD.

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 18BE "SOFTWARE BUNDLE" IS PART OF THE TRANSFER SWITCH ASSEMBLY, IT CAN ALTERNATIVELY SET FOR THE "COMMON ALARM" SIGNAL. THE OUTPUT CONTACTS CHANGE POSITION WHEN THE "COMMON ALARM" PRESET AND SET 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 SOURCE 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:

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

FEATURE 1G - 24 VDC POWER SUPPLY "1G"

AN EXTERNAL 24 VDC POWER SUPPLY MAY BE USED TO POWER THE CONTROLLER WHEN OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "OP2" WILL PROVIDE EXTERNAL 24 VDC POWER SOURCE 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 "1*1-2 & 1*3-4"
CONNECT JUMPERS "1*5-7 & 1*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" NC 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 UP IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY, THE CONTROLLER IS PROVIDED WITH LIMITED RESERVE POWER (APPROXIMATELY 3 MINUTES).

LOAD CURRENT METERING

WHEN OPTIONAL ACCESSORY 230B 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 18BE 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:
- THREE PHASE 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.

EXPLANATION OF CATALOG NUMBER CODES

CATALOG NUMBER SUFFIXES

TS CATALOG NUMBER NEUTRAL PHASE POLES AMPS VOLT CODE CONTROLLER OPTIONAL ACCESSORY ENCLOSURE CODE

NEUTRAL TYPE

VOLTAGE CODES IN VAC RMS

EXPLANATION OF CATALOG NUMBER CODES

EXPLANATION OF CATALOG NUMBER CODES

CATALOG NUMBER

CERTIFIED TO

S.O.

BY

DATE

EXPLANATION OF CATALOG NUMBER CODES

FORM REV K

PROJECT NAME

PK TO SHEET

REV H

BY APP DATE

EXPLANATION OF CATALOG NUMBER CODES

WIRING

DIAGRAM

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

"OP1" FRAME, GROUP G CONTROLS

EXPLANATION OF CATALOG NUMBER CODES

MANUFACTURING TOLERANCES TO BE IN

ACROSS ALL PARTS

ASME, REF. NO.

EXPLANATION OF CATALOG NUMBER CODES

BY DATE

ACROSS ALL PARTS

REF. NO.

EXPLANATION OF CATALOG NUMBER CODES

FOR PLASTIC PARTS SEE 304M

REF. NO.

EXPLANATION OF CATALOG NUMBER CODES

FOR PLASTIC PARTS SEE 304M

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FOR PLASTIC PARTS SEE 304M

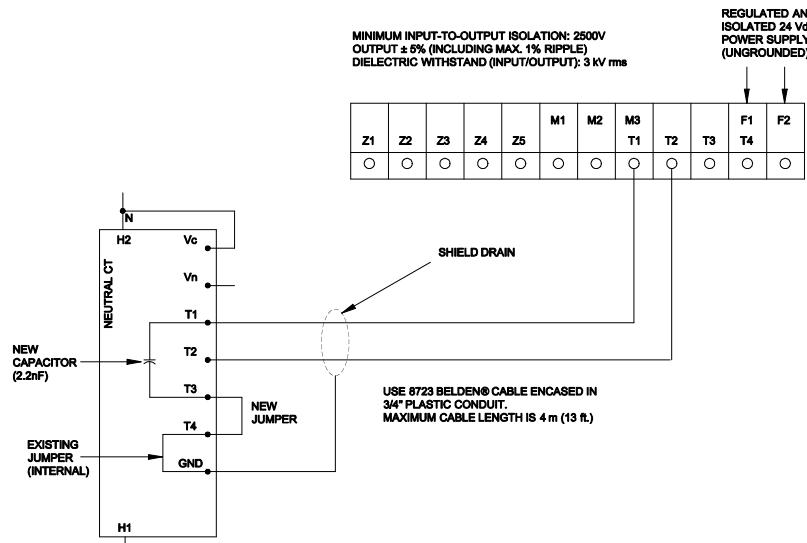
REF. NO.

EXPLANATION OF CATALOG NUMBER CODES

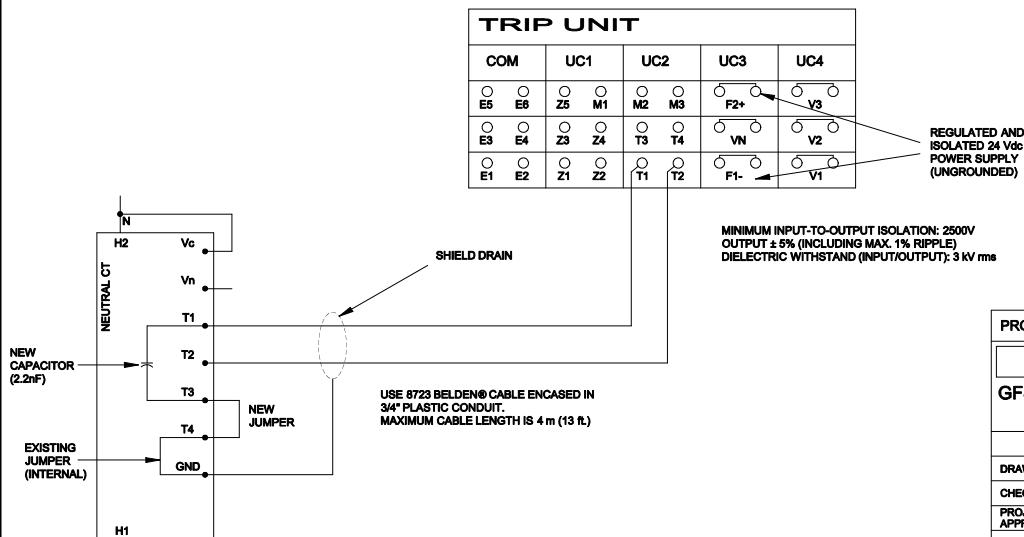
FOR PLASTIC PARTS SEE 304M

REF. NO.

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



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



PROJECT NAME:

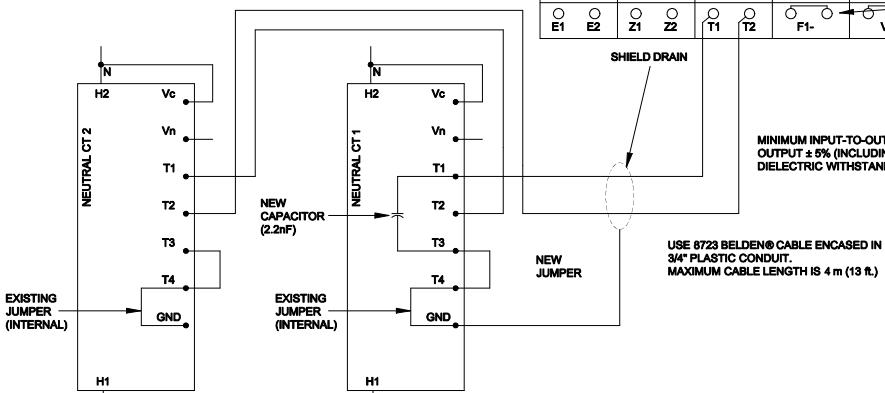
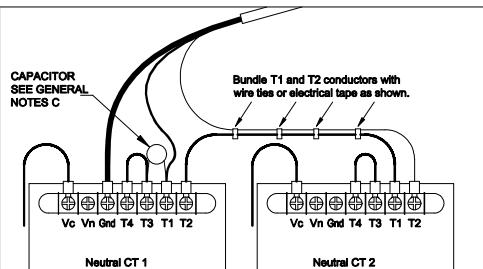
GFS CIRCUITRY.

	BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055.	ASSEM. REF. NO.	COMPUTER GENERATED DRAWING	
DRAWN BY	CC	05/13/04			SCALE	
CHECKED	BK	05/13/04	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		SIZE	BS
PROJECT APPROVAL	BK	05/13/04			DWG. NO.	758574
FINAL APPROVAL					DRAWING REV.	ECN NO. 257650 SHEET 1 OF 2

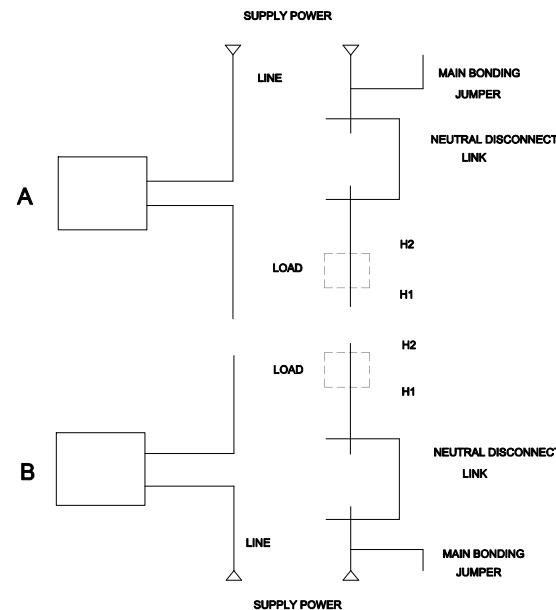
ASCO® ASCO POWER TECHNOLOGIES, L.P.
FLORHAM PARK, NEW JERSEY 07932 U.S.A.

THIRD ANGLE PROJECTION

WIRING SCHEMATIC FOR 3200-6000 A NW CIRCUIT BREAKERS



LINE DIAGRAM FOR NW BREAKER



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.

REV. TO SHEET	ECN NO.	BY APP.	DATE	COMPUTER GENERATED DRAWING	
				SCALE	SIZE BS
				DWG. NO.	758574
				DRAWING REV.	ECN NO. 257650 SHEET 2 OF 2
				ASCO®	ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.

THIRD ANGLE PROJECTION