

	TRANSFER SWITCH DETAILS										
ATS NAME	QTY	AMPS / POLES (VOLTS)	BYPASS	TRANSITION TYPE			OUTLINE DRAWING	WIRING DIAGRAM	BOM NUMBER		
	9	0600 / 4 (208V)	N/A	OPEN	J03ATSB30600CGXF	11BE	1001393-002	978745	1054543		

	Transfer Switch Withstand and Closing Ratings																							
300, 4000 & 7000 Series																								
SWITCH RATING AMPS			CURRENT LIMITING FUSES				SPECIFIC BREAKER				Short Time Ratings³ (see			c)										
ATS NAME	FRAME SIZE	SWITCHTRA	anto Am o	3	IXIXEIVI EII	VIII TIIN OT OO		5	JII IO DILL	TILIT	TIME BASED			480	V Max.		600V Max.							
NAVIE	SIZE	Transfer Switches	Bypass Switches	480V Max.	600V Max.	MAX SIZE, A	CLASS	240V Max.	480V Max.	600V Max.	Time(Sec)	240V Max.	480V Max.	600V Max.	.13 .2	.3	.5	.1 .13	.3 .5					
	J	600	600	200kA	200kA	800	L	200kA	200kA	100kA	0.05	65kA	42kA⁵	35kA	7.5kA ⁹									
	3	000	000	20084	2000	600	J	20084	20004	1002	0.03	8	42KA	55	7.500									
-	Н	800 - 1200	800 - 1200	200kA	200kA	1600 ⁴	L	65kA	150kA	65kA	0.05	50kA	50kA	50kA	36kA		-	36kA	-					
-	G	1600 - 2000	1600 - 2000	200kA	200kA	3000	L	200kA	200kA	100kA	0.05	100kA	100kA	100kA	42kA	. 3	36kA	42kA	-					
_		400	400	200kA	200kA	600	J	200kA	200kA	100kA	0.05	65kA	42kA⁵	35kA	7.5kA	_								
-	3	-1 00	400	20004	20004	800	L	20004	200kA 200kA	ZUUKA 1UUKA		ZUUKA 100KA		ZUUKA 100KA		0.00	WKA.	42KA*	5500	7.500				

NOTES:

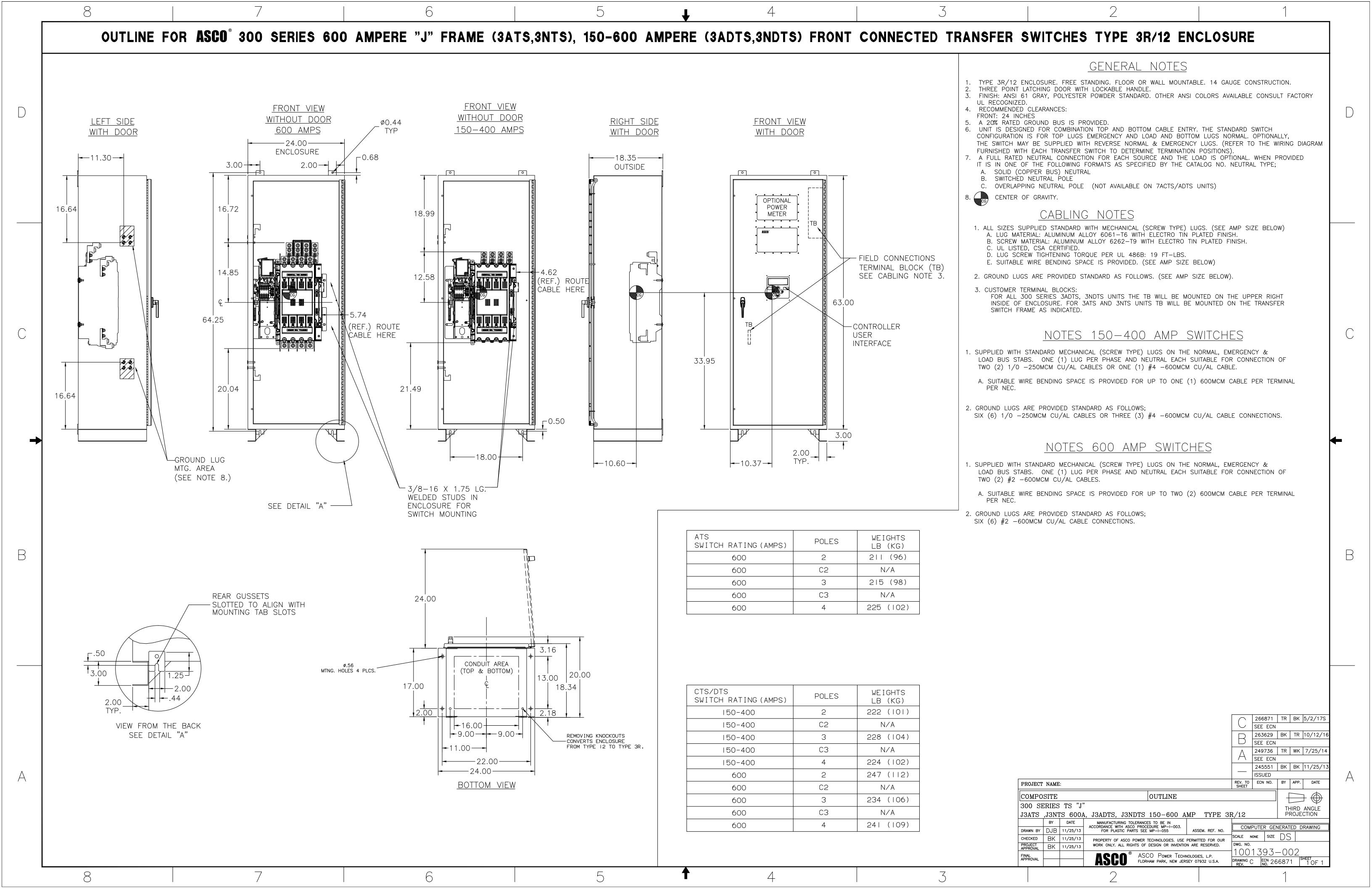
- 1) All WCR values indicated are tested in accordance with the requirements of UL 1008, 7th Edition.
- 2) Application requirements may permit higher WCR for certain switch sizes.
- 3) Short Time ratings are provided for applications involving circuit breakers that utilize trip delay settings for system selective coordination
- 4) Max fuse rating is 1200A on front connected H frame switches
- 5) Switches utilizing overlapping neutral (code "C") have 35kA, 0.050 Sec time-based rating at 480V Max
- 6) Rating shown is for Bypass switches only, Transfer Switch rating is 100kA
- 8) These frames are only available on the 7000 Series product
- 9) Short Time Rating applies to 600A Bypass switch only, the 600A Transfer Switch does not have a Short Time Rating

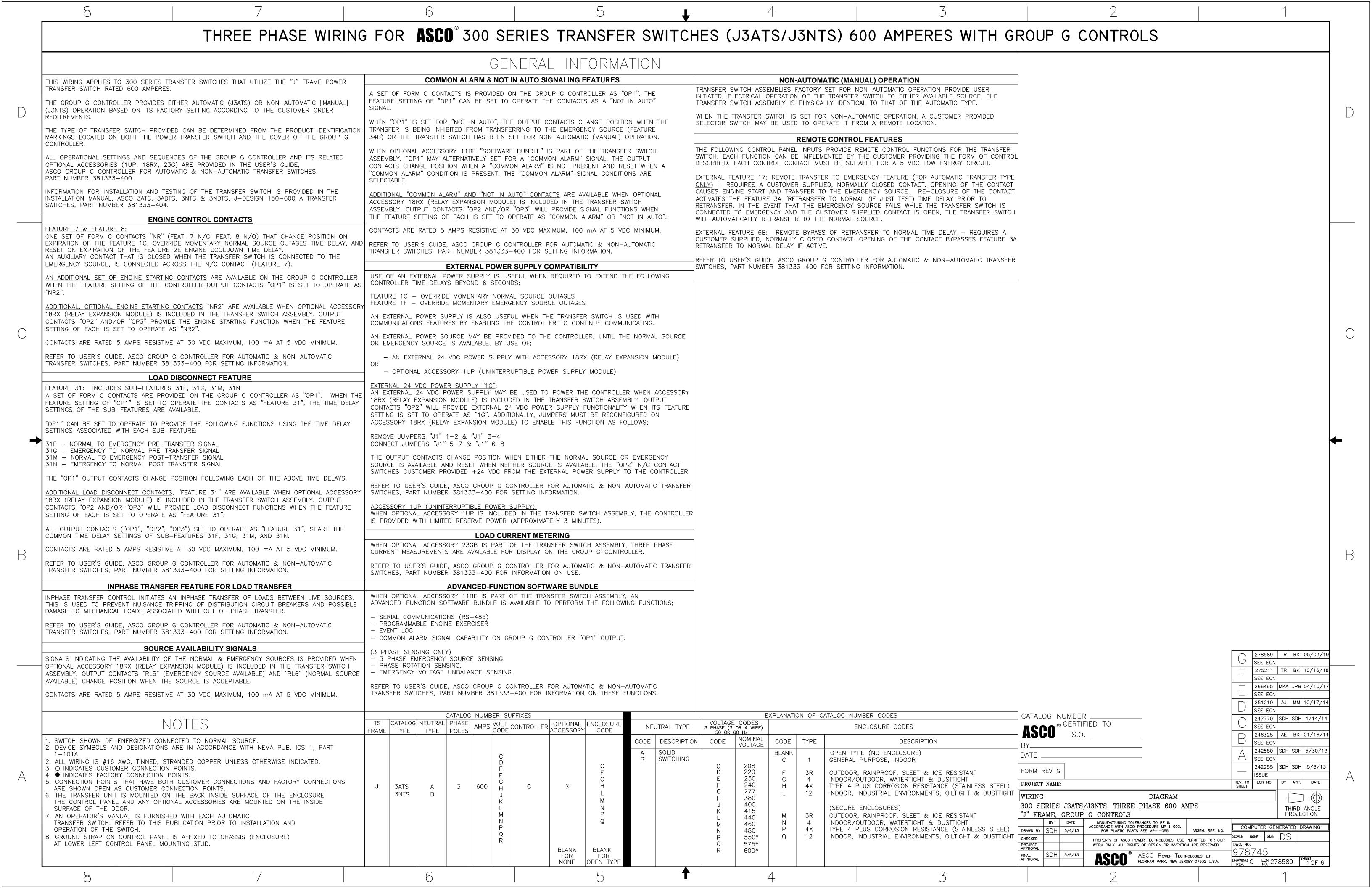


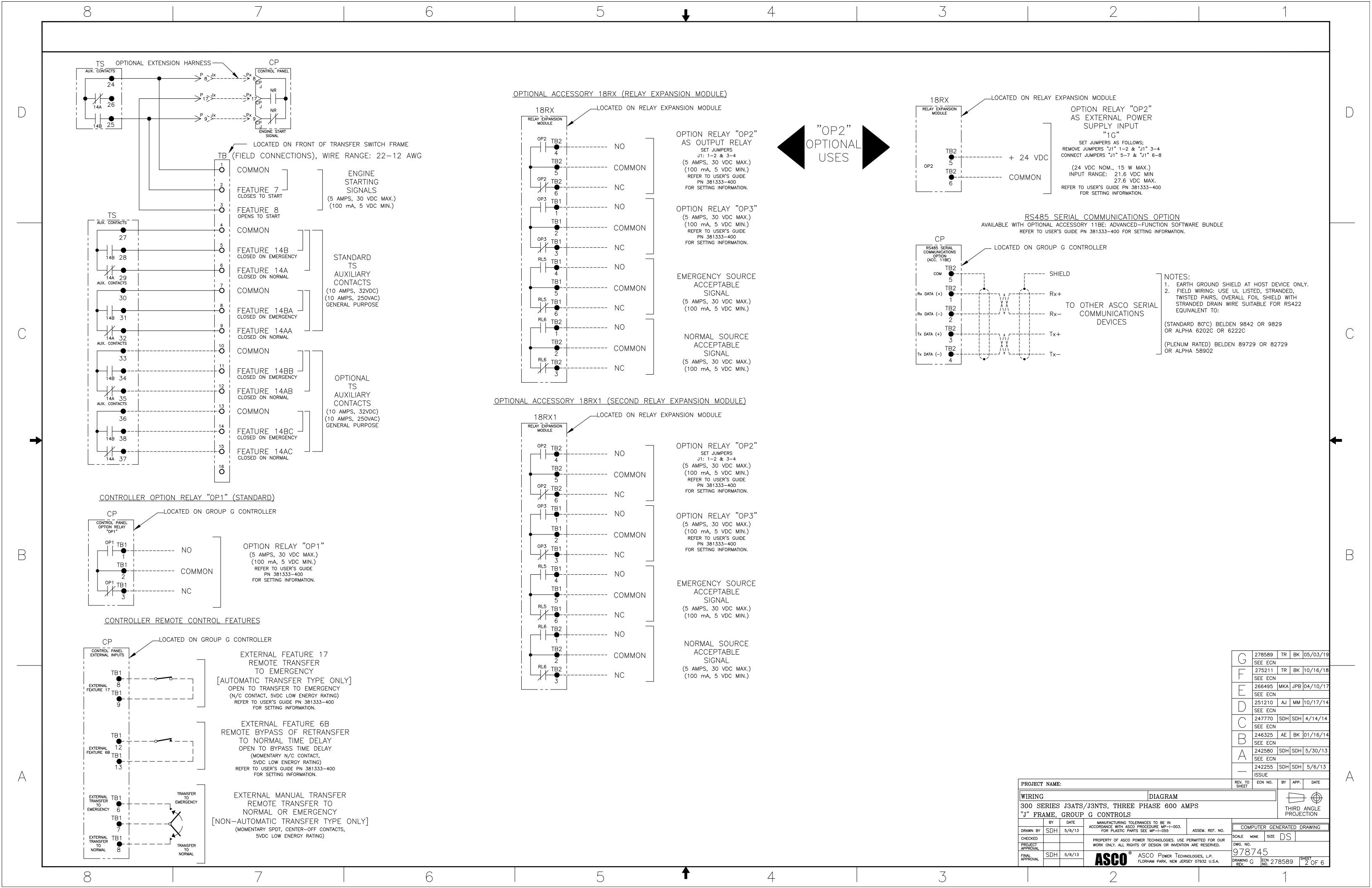
Transfer Switch Details

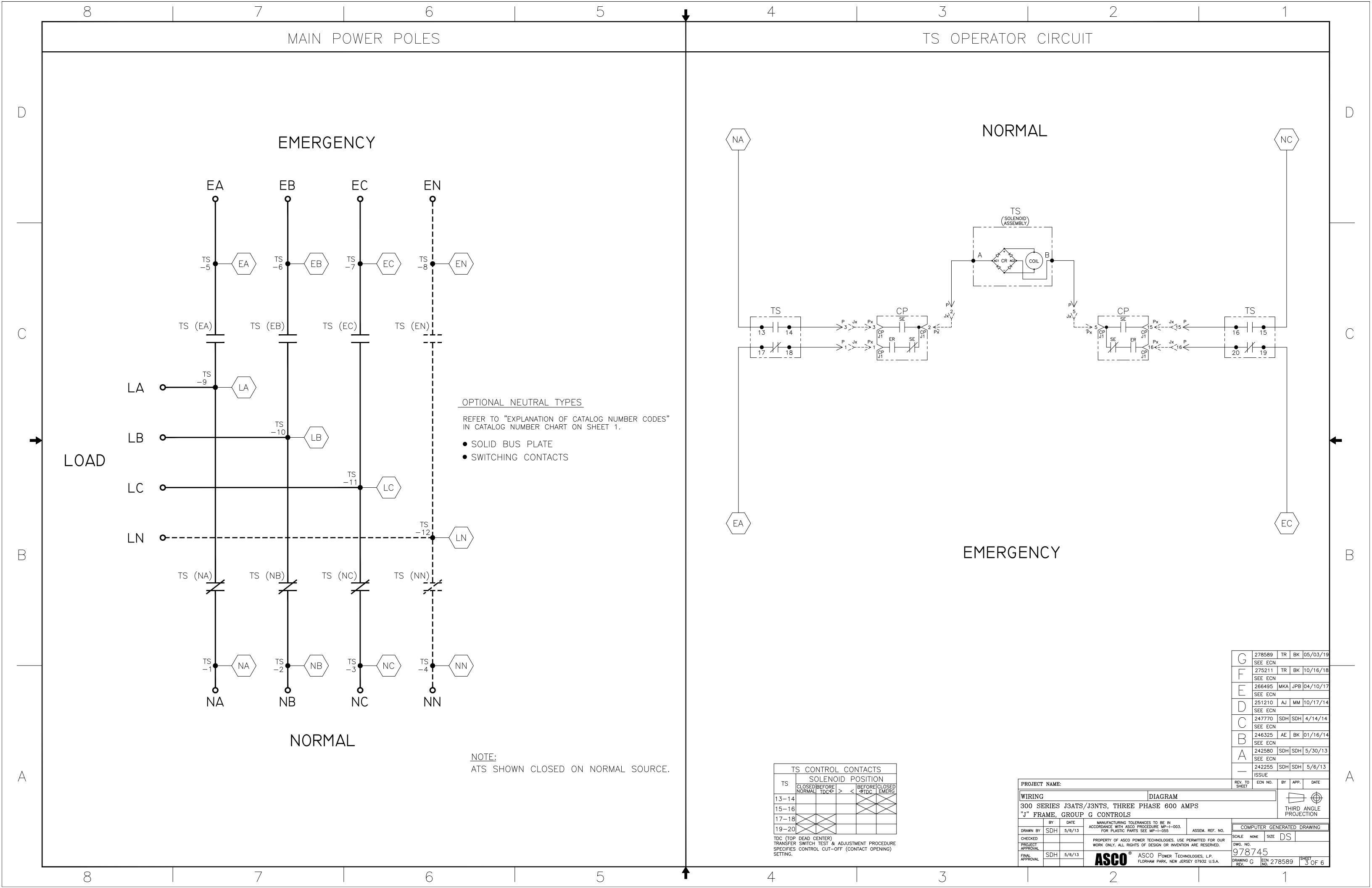
#3	ATS	5	A	MPS: 0600		QTY: 9
Product	:	Series 300		Catalog Number	:	J03ATSB30600CGXF
Service Vol	tage / Hz :	208V/60Hz		Optional Accessories	:	11BE
Bypass Isol	ation :	Not Applicable)	Product Description	:	300 Series, Automatic Open Transition Transfer Switch
No. of Switc	ched Poles: 4 :	4		Neutral Configuration	:	Switched [B]
Withstand F	Rating: :	See WCR Tab	ole Below	No. of Cables & Lug Size	:	2, 1/0 AWG to 600 MCM
Frame = J,	Switch Rating = 06	00, Series = 300	1			
Enclosure	:	3R(F)-UL Type (See Disclaim	e 3R Enclosure er 3)	Service	:	Three Phase, 4-wire
Extended V	Varranty :	Not Included		Markings	:	

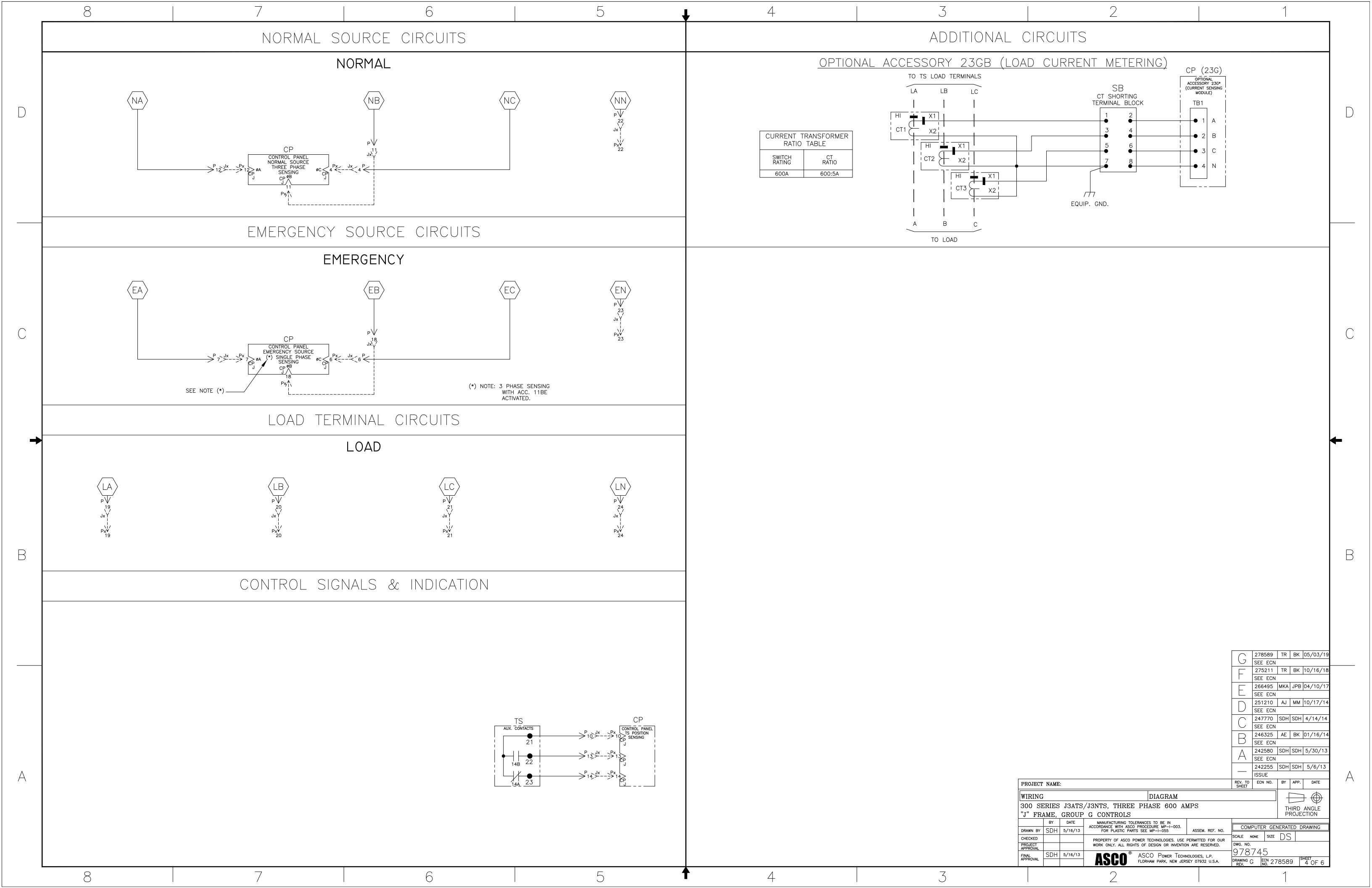
#	ACCESSORY DESCRIPTIONS								
Ħ	Accessory Code	Description							
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it also enables: (1) 3-Phase Emergency Source VLL sensing (2) Phase Rotation Monitoring (3) Emergency Source VLL Unbalance Monitoring.							

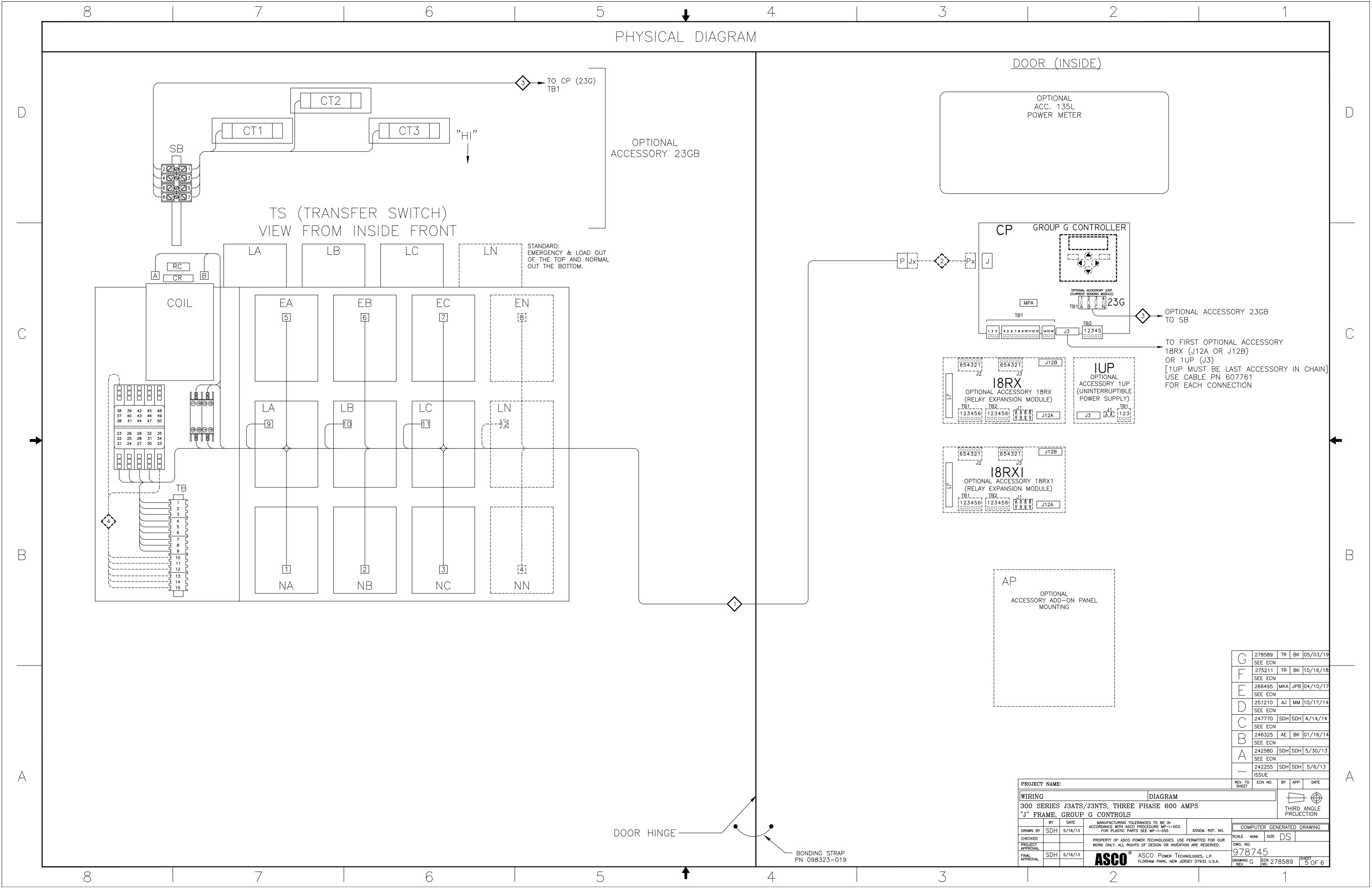


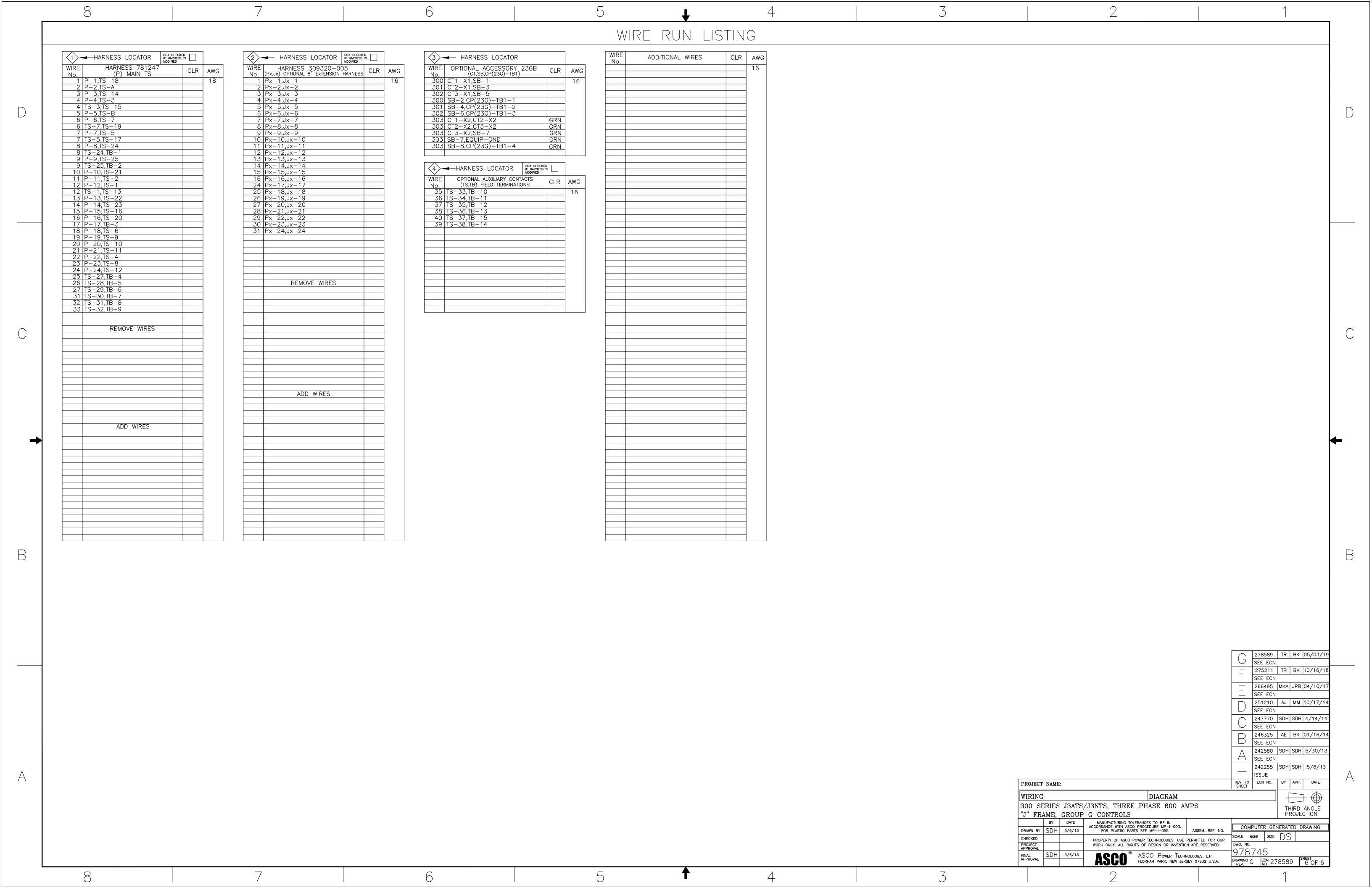














Limited Warranty

Series 150, 200, 300 and 4000 Power Transfer Switches

This Warranty is given ONLY to purchasers who buy for commercial or industrial use in the ordinary course of each purchaser's business.

General

ASCO Power Technologies, LP products and systems are in our opinion the finest available. We take pride in our products and are pleased that you have chosen them. Under certain circumstances we offer with our products the following Limited Guardian Warranty Against Defects in Material and Workmanship.

Please read your Guardian Warranty carefully. This Warranty sets forth our responsibilities in the unlikely event of defect and tells you how to obtain performance under this Warranty.

Limited Warranty Against Defects in Material and Workmanship:

Product Description	Series	Catalog Code
	150, 200	1ATS, 2ATS
Automatic Transfer Switch	300	3ATS, 3ADTS
	4000	4ATS, 4ADTS, 4ACTS
Non-Automatic Transfer Switch (Electrically Operated)	300	3NTS, 3NDTS
ASCO Lighting Control Panels	4000	4NTS, 4NDTS, 4NCTS
Manual Transfer Switch	300	3MTS, 3MTQ, 3MUQ, 3MPQ, 3MGQ, 3MGDQ, 3MTDQ
Service Entrance Transfer Switch (SEATS)	300	3AUS, 3ADUS, 3APS, 3ARS, 3MUS
Power Transfer Load Center (PTLC)	300	300L
Quick Connect Panels	300	3QCN, 3QCU, 3QCD
Electrically Operated Bypass Switch	4000	4ATE, 4NTE, 4ADTE, 4NDTE

Limited Warranty

ASCO warrants that the ATS will be free from defects in material and workmanship and will conform to ASCO's standard specifications for the ATS for a period of twenty four (24) months from date of product shipment from ASCO (the "Warranty Period"). This Limited Warranty does not extend to subsequent owners of the structure during the Warranty period.

Terms of Warranty

The foregoing Limited Warranty is conditioned upon user's compliance with the following:

- The ASCO Power Transfer Switch is installed in accordance with ASCO specifications and state and local codes and standards by an electrician licensed in the state of installation.
- The ASCO Power Transfer Switch is maintained in accordance with ASCO instructions and used under normal conditions for the purposes intended by ASCO.

All warranty field-related repairs, replacements or adjustments must be made by ASCO Services Inc. or its duly authorized representative.

Optional Available Extended Warranty

Optional extended warranty coverage may be purchased from ASCO for a specified fee at the time of the original sale. If purchased, Warranty period shall be extended up to an additional thirty - six (36) months beyond the standard twenty - four (24) months to provide up to five (5) year coverage applicable to the above referenced products, except for 3AUS, 3APS, and 3ARS products where the warranty period for the circuit breaker shall be limited to 24 months from date of shipment from ASCO. The length of optional extended coverage shall be reflected on the ASCO invoice and/or order acknowledgement document.





Warranty Extends To First Purchaser for Use, Non-Transferable

This Warranty is extended to the first person, firm, association, or corporation for whom the ASCO product specified herein is originally installed for use (the "user") in the fifty United States or Canada. This Warranty is not transferable or assignable without the prior written permission of ASCO.

Assignment of Warranties

ASCO assigns to user any warranties which are made by manufacturers and suppliers of components of, or accessories to, the ASCO product and which are assignable, but ASCO makes no representations as to the effectiveness or extent of such warranties, assumes no responsibility for any matters which may be warranted by such manufacturers or suppliers and extends no coverage under this Warranty to such components or accessories.

Drawings, Descriptions

ASCO warrants for the period and on the terms of the Warranty set forth herein that the ASCO product will conform to the descriptions contained in the certified drawings, if any, applicable thereto, to ASCO's final invoices, and to applicable ASCO product brochures and manuals current as of the date of product shipment ("descriptions"). ASCO does not control the use of any ASCO product. Accordingly, it is understood that the descriptions are not Warranties of performance and not Warranties of fitness for a particular purpose.

Warranty Claims Procedure

Within a reasonable time, but in no case to exceed thirty (30) days, after user's discovery of a defect, user shall contact ascopower.com. Subject to the limitations specified herein, an ASCO Services field service representative will repair the non-conforming ASCO product warranted hereunder, without charge for parts, labor, or travel expenses. Warranty coverage will apply only after ASCO's inspection discloses the claimed defect and shows no signs of treatment or use that would void the coverage of this Warranty . All defective products and component parts replaced under this Warranty become the property of ASCO.

Warranty Performance of Component Manufacturers

It is ASCO's practice, consistent with its desire to remedy Warranty defects in the most prompt and effective manner possible, to cooperate with and utilize the services of component manufacturers and their authorized representatives in the performance of work to correct defects in the product components. Accordingly, ASCO may utilize third parties in the performance of Warranty work, including repair or replacement hereunder, where, in ASCO's opinion, such work can be performed in less time, with less expense, or in closer proximity to the ASCO product.

Items Not Covered By Warranty

This Warranty does not cover damage or defect caused by misuse, improper application, wrong or inadequate electrical current or connection, negligence, inappropriate on site operating conditions, repair by non-ASCO designated personnel, accident in transit, tampering, alterations, a change in location or operating use, exposure to the elements, water, or other corrosive liquids or gases, acts of God, theft or installation contrary to ASCO's recommendations or specifications, or in any event if the ASCO serial number has been altered, defaced, or removed.

This Warranty does not cover shipping costs, installation costs, external circuit breaker resetting or maintenance or service items and further, except as may be provided herein, does not include labor costs or transportation charges arising from the replacement of the ASCO product or any part thereof or charges to remove or reinstall same at any premises of user.

Repair or replacement of a defective product or part thereof does not extend the original Warranty period.

The products listed in this Warranty are not for use in the control area or any reactor connected or safety applications or within the containment area of a nuclear facility or for integration into medical devices.





Limitations

This Warranty is in lieu of and excludes all other Warranties, express or implied, including merchantability and fitness for a particular purpose.

User's sole and exclusive remedy is repair or replacement of the ASCO product as set forth herein.

If user's remedy is deemed to fail of its essential purpose by a court of competent jurisdiction, ASCO's responsibility for property loss or damage shall not exceed the net product purchase price.

In no event shall ASCO assume any liability for indirect, special, incidental, consequential or exemplary damages of any kind whatsoever, including without limitation lost profits, business interruption or loss of data, whether any claim is based upon theories of contract, negligence, strict liability, tort, or otherwise.

Miscellaneous

No salesperson, employee, or agent of ASCO is authorized to add to or vary the terms of this Warranty. Warranty terms may be modified, if at all, only in writing signed by an ASCO officer.

ASCO obligations under this Warranty are conditioned upon ASCO timely receipt of full payment of the product purchase price and any other amounts due. ASCO reserves the right to supplement or change the terms of this Warranty in any subsequent warranty offering to user or others.

In the event that any provision of this Warranty should be or becomes invalid and/or unenforceable during the Warranty period, the remaining terms and provisions shall continue in full force and effect.

This Warranty shall be governed by, and construed under, the laws of the State of New Jersey, without reference to the conflict of laws principles thereof.

This Warranty represents the entire agreement between ASCO and user with respect to the subject matter herein and supersedes all prior or contemporaneous oral or written communications, representations, understandings, or agreements relating to this subject.



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

ASCO SERIES 300 Power Transfer Switches



ASCO SERIES 300 Automatic Transfer Switches

Power outages impact small and large facilities alike. ASCO SERIES 300 Automatic Transfer Switches offer rugged design and reliable performance to small and mid-size commercial and industrial facilities in packaged solutions that are easy to select, procure, install, and operate.

Every SERIES 300 generator transfer switch is engineered with ASCO's reliability expertise in a package that makes backup power accessible for small and mid-size facilities. Leveraging knowledge derived from a century of critical power transfer experience, each SERIES 300 is backed by the same ASCO technical support and service that solves the most demanding critical power challenges facing facilities today.

Product Details

Transfer Switch
Overview



SERIES 300 Automatic Transfer Switches

Designed to Fit Anywhere

The ASCO SERIES 300 product line provides the most compact design of generator power transfer switches in the industry.

Available to mount on walls or floors, all models through 2000 amperes are designed to be completely front-accessible. This permits installation flush against walls while allowing installation of cabling and connections from the front of the switch. Cable entrance plates are standard on 1600 and 2000 amperes units; these allow use of optional side-mounted pull boxes for additional cable bending space.

- 30 through 3000 amperes in compact designs
- Up to 600 VAC, single or three phase
- Listed to UL 1008 Standard for Safety -Transfer Switch Equipment
- True double-throw operation: The single solenoid design is inherently interlocked to prevent simultaneous connections of two power sources.
- Will not transfer to a dead source single solenoid operator derives power from the destination source
- Easy-to-navigate 128x64 graphical LCD display with keypad provides LED indicators for switch position, source availability, not-inauto mode, and alert conditions.
- Integrated, multilingual, user interface for configuration and monitoring
- Available Delayed Transition operation
- Optional Relay Expansion Module with extra relays for accessory outputs

- Soft keys for test function and time delay bypass
- Emergency source failure alert indication
- Optional Historical Event Log
- Displays statistical ATS monitoring information
- Built-in diagnostic functions
- Password protection to prevent unauthorized actions
- Adjustable delay feature prevents nuisance transfer due to momentary utility power outages and generator dips
- Auxiliary contacts signal position of main contacts - two for normal and two for emergency position
- · Standard solid neutral terminals
- Restriction of Hazardous Substances (RoHS) compliant controller
- Standard 2 year warranty. Optional 1, 2, and 3 year extensions



SERIES 300 Power Transfer Switch rated 200 amps

Power Knowledge

Basic Automatic
Transfer Switch
Functions

3

SERIES 300 Automatic Switching Solutions

Automatic and Non-Automatic Transfer Switching

ASCO Transfer Switches are available in both automatic and non-automatic types. Both are electrically operated. For automatic transfer switches, the controller initiates transfer between power sources . For non-automatic transfer switches, a user initiates transfer using local or remote controls.

SERIES 300 non-automatic transfer switches offer the following features:

- Models range from 30 through 3000 amperes, up to 600V
- Controller prevents inadvertent operation under low voltage conditions
- · Source acceptability lights inform operator when sources are available to accept load
- · Standard in-phase monitor for transferring motor loads betweem live sources

Power Knowledge

Non-Automatic and Manual

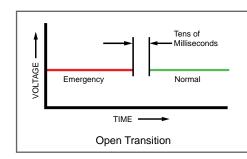
400 Amp, Type 1

Transfer Switches for Backup Power **Applications**

Open Transition Transfer Switching

ASCO Transfer Switches are available with a standard, 2-position, open transition models that reliably transfer loads in less than 100 milliseconds. Open transition switches are suitable for a wide range of applications.

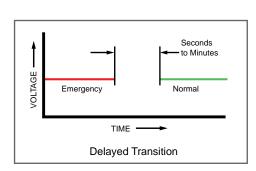
- 30 to 3000 amps
- · Single-operator switching mechanism prevents simultaneous connection of both sources
- · Available In-Phase Monitor can be activated for transferring motor loads



Delayed Transition Transfer Switching

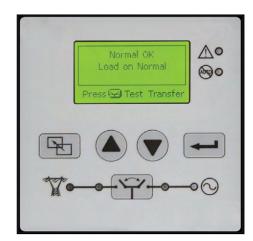
ASCO Delayed Transition Transfer Switches transfer loads between power sources using a timed load disconnect position with an adjustable delay.

- 150 through 3000 amps
- Reliable, field-proven, dual-solenoid operating mechanism
- · Mechanical interlocks to prevent simultaneous connection of both power sources
- · Adjustable delay for load disconnect -0 to 5 minutes
- Non-automatic models available in manual operation configuration
- Automatic models available with load shed feature



SERIES 300 Group G Controller

The SERIES 300 Group G Controller is reliable and field-proven. It provides all of the voltage, frequency, control, timing, and diagnostic functions required for most emergency and standby power applications.



- Touch pad programming
- · Displays active timers
- On-board diagnostics
- Password protection
- · Voltage and frequency sensing
- · Status and control functions

Power Knowledge

- Transition Mode **Basics**
- Transferring Motor Loads <u>between</u> Power Sources
- Transferring Loads with Zero **Power Interruption**

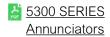
Product Details

Group G Controller

Transfer Switch Communications and Metering

Options to Customize Functionality and Increase Value

Product Details



Remote Annunciation

Monitor Power Equipment Status from Anywhere

Monitoring and control transfer switches from across the room, building, or from Internet.

5310 - LED annunciator - Single ATS

5350 - LED annunciator - up to 8 ATSs





Communication

Turn Transfer Switches into Power Information Portals

5140 Connectivity Module - Makes status and power information from a single switch available to via ModBUS, SNMP, and web pages.





Metering

Transfer Switches are the Perfect Place to **Monitor Power Flow, Power Conditions,** and Power Events

5210 Power Meter – Provides deeper insight into circuit status and conditions.



Product Details

3210 Power Meter

Product Details



SERIES 300 Optional Accessories

Communic	ations
11BE	Feature Bundle. Programmable engine exerciser with seven independenct routines run the generator with or without loads, on a daily, weekly, bi-weekly, or monthly basis. Controlled from the user interface keypad. • Event log display shows the event number, time and date, type and reason (if applicable). • Stores up to 300 events • RS485 Communication Port enabled common alarm output contact • On three-phase systems, Accessory 11BE enables line-to-line voltage imbalance sensing and three-phase sensing capabilities for the Emergency power source as well as the Phase Rotation checking for both power sources.
18RX	Relay Expansion Module provides accessory relays and includes one Form C contact for normal source availability (18G), and one Form C contact for emergency source availability (18B) (contact rating 5 amperes @ 30 VDC or @ 125 VAC resistive) (100 ma, 4 VDC min) Additional output relay is provided the default is to indicate a common alarm.
72EE	Connectivity module provides remote monitoring and control capabilities and includes accessory 11BE feature bundle
Environme	nt and Power
44A	Strip heater with thermostat for cold environment to prevent internal condensation and icing. External 120-volt AC power source required.
44G	Strip heater with thermostat, wired to load terminals on 208-240, 360-380, 460-480, 550-600 volt models. Contains wiring harnesses for all transfer switch sizes.
1UP	UPS back up power runs controller and LCD display for 30 seconds without AC power
Extension	Harness
Extension 37B	Harness Six-foot extension harness for open type units to accommodate customer mounting of controls and switch
37B	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch
37B 37C	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch
37B 37C Indicators 62W	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch Nine-foot extension harness for open type units to accommodate customer mounting of controls and switch Audible alarm with silencing feature to signal transfers to emergency. (For D-frame models, may require oversize enclosure
37B 37C Indicators 62W	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch Nine-foot extension harness for open type units to accommodate customer mounting of controls and switch Audible alarm with silencing feature to signal transfers to emergency. (For D-frame models, may require oversize enclosure depending on accessory combination).
37B 37C Indicators 62W	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch Nine-foot extension harness for open type units to accommodate customer mounting of controls and switch Audible alarm with silencing feature to signal transfers to emergency. (For D-frame models, may require oversize enclosure depending on accessory combination). Control Circuits
37B 37C Indicators 62W Customer 30A	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch Nine-foot extension harness for open type units to accommodate customer mounting of controls and switch Audible alarm with silencing feature to signal transfers to emergency. (For D-frame models, may require oversize enclosure depending on accessory combination). Control Circuits Load-shed circuit initiated by opening of a customer-supplied contact (Open Transition model only)
37B 37C Indicators 62W Customer 30A 30B	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch Nine-foot extension harness for open type units to accommodate customer mounting of controls and switch Audible alarm with silencing feature to signal transfers to emergency. (For D-frame models, may require oversize enclosure depending on accessory combination). Control Circuits Load-shed circuit initiated by opening of a customer-supplied contact (Open Transition model only) Load-shed circuit initiated by removal of customer-supplied control voltage (Open Transition model only)
37B 37C Indicators 62W Customer 30A 30B 30AA	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch Nine-foot extension harness for open type units to accommodate customer mounting of controls and switch Audible alarm with silencing feature to signal transfers to emergency. (For D-frame models, may require oversize enclosure depending on accessory combination). Control Circuits Load-shed circuit initiated by opening of a customer-supplied contact (Open Transition model only) Load-shed circuit initiated by removal of customer-supplied contact (Open Transition model only) Load-shed circuit initiated by opening of a customer-supplied contact (Delayed Transition model only) Load-shed circuit initiated by removal of customer-supplied control voltage (Delayed Transition model only)
37B 37C Indicators 62W Customer 30A 30B 30AA	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch Nine-foot extension harness for open type units to accommodate customer mounting of controls and switch Audible alarm with silencing feature to signal transfers to emergency. (For D-frame models, may require oversize enclosure depending on accessory combination). Control Circuits Load-shed circuit initiated by opening of a customer-supplied contact (Open Transition model only) Load-shed circuit initiated by removal of customer-supplied contact (Open Transition model only) Load-shed circuit initiated by opening of a customer-supplied contact (Delayed Transition model only) Load-shed circuit initiated by removal of customer-supplied control voltage (Delayed Transition model only)
37B 37C Indicators 62W Customer 30A 30B 30AA 30BA Surge Prof	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch Nine-foot extension harness for open type units to accommodate customer mounting of controls and switch Audible alarm with silencing feature to signal transfers to emergency. (For D-frame models, may require oversize enclosure depending on accessory combination). Control Circuits Load-shed circuit initiated by opening of a customer-supplied contact (Open Transition model only) Load-shed circuit initiated by removal of customer-supplied control voltage (Open Transition model only) Load-shed circuit initiated by opening of a customer-supplied contact (Delayed Transition model only) Load-shed circuit initiated by removal of customer-supplied control voltage (Delayed Transition model only)
37B 37C Indicators 62W Customer 30A 30B 30AA 30BA Surge Prot	Six-foot extension harness for open type units to accommodate customer mounting of controls and switch Nine-foot extension harness for open type units to accommodate customer mounting of controls and switch Audible alarm with silencing feature to signal transfers to emergency. (For D-frame models, may require oversize enclosure depending on accessory combination). Control Circuits Load-shed circuit initiated by opening of a customer-supplied contact (Open Transition model only) Load-shed circuit initiated by removal of customer-supplied control voltage (Open Transition model only) Load-shed circuit initiated by opening of a customer-supplied contact (Delayed Transition model only) Load-shed circuit initiated by removal of customer-supplied control voltage (Delayed Transition model only)

Field Conversion Kits

options 23GA or 23GB.

Kit No.	Description					
935147	Advanced Function Bundle Retrofit Kit (11BE) - See above accessory 11BE description for details.					
935148	935148 REX Module with Source Availability Contacts (Acc. 18RX)					
935149	935149 UPS to allow controller to run for 30 seconds minimum without AC Power (Acc. 1UP)					
935150	1/3 Phase load current sensing card only (Acc. 23GA/GB)					
K613127-001	Strip Heater (125 watt) 120 volt (Acc. 44A)					
K613127-002	Strip Heater (125 watt) 208-480 volt (Acc. 44G)					
948551	Quad-Ethernet Module (Acc. 72EE)					
K609027	Cable Pull Box (1600-2000 amperes)					

Withstand and Close-on Ratings

Withstand and Close-on Ratings for all 7000 SERIES Power Transfer Switches, including 0.5 second (30-cycle) designs.

F	Switch Rating (Amps)		Current Limiting Fuses				Specific Breaker			Time Based				Sh	c)																	
Frame	Transfer									480V Ma									600V Max.													
	Switches	Bypass Switches	480V Max.	600V Max.	Max Size, A	Class	240V Max.	480V Max.		Time (sec)	240V Max.	480V Max.	600V Max.	.13 .	2 .3	.5	.1 .13	.5														
			100kA	-	300	J																										
D	30	-	200kA	35kA	200	J	22kA	25kA	10kA	0.025	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA		-		-	
			35kA	35kA	200	RK1																										
D	70, 100		35kA	35kA	200	RK1	150kA	85kA	25kA	0.025	10kA	10kA	10kA																			
	70, 100		200kA	35kA	200	J	1001071	001071	20101	0.020	101071	10107	10101	•																		
D	150	-	35kA	35kA	200	RK1	150kA	85kA	25kA	0.025	10kA	10kA	10kA	_																		
			200kA	35kA	200	J											1															
D	200		200kA	35kA	200	J	200kA	85kA	14kA	0.025	10kA	10kA	10kA																			
			35kA	35kA	200	RK1																										
D	230	-	100kA	-	300	J	200kA	85kA	14kA	0.025	10kA	10kA	-	-			-															
E	260, 400	-	200kA	-	600	J	65kA	42kA	22kA	0.05	35kA	35kA	22kA	-		-																
J	150, 200, 230, 260	150, 200, 230, 260	200kA	200kA	600 800	J L	200kA	200kA	100kA	0.05	65kA	42kA ⁵	35kA	7.5kA		-	-															
	200				600	J																										
J	400	400	200kA	200kA	800	L	200kA	200kA	100kA	0.05	65kA	42kA ⁵	35kA	7.5kA																		
J	600	600	200kA	200kA	800	L	200kA	200kA	100kA	0.05	65kA	42kA ⁵	35kA	7.5kA ⁹		_																
_	000		200kA	200kA	600	J							JUNA																			
H ⁸	600	600	200kA	200kA	1600	L	65kA	150kA ⁶	65kA	0.05	50kA	50kA	50kA	36k/	4	-	36kA	-														
P ⁸	600	600	200kA	200kA	1600	L	65kA	150kA ⁶	65kA	0.05	50kA	50kA	50kA	36k/	4	30kA	36kA	-														
P ⁸	800	800 - 1200	200kA	200kA	1600	L	65kA	150kA ⁶	65kA	0.05	50kA	50kA	50kA	36k	4	30kA	36kA	-														
Н	800 - 1200	800 - 1200	200kA	200kA	1600 ⁴	L	65kA	150kA	65kA	0.05	50kA	50kA	50kA	36k	4	-	36kA	-														
Q ⁸	600-1600	600-1600	200kA	200kA	2000	L	65kA	65kA	65kA	0.05	65kA	65kA	65kA	5	0kA		50kA															
S ⁸	800 - 1200	800 - 1200	200kA	200kA	2500	L	100kA	100kA	65kA	0.05	100kA	100kA	65kA	65kA			65l	ίA														
G ⁸	1000 - 1200	1000 - 1200	200kA	200kA	2000	L	85kA	85kA	85kA	0.05	85kA	85kA	85kA	-		-																
G	1600 - 2000 (Front	Connected TS Only)	200kA	200kA	2500	L	85kA	85kA	85kA	0.05	85kA	85kA	85kA	42k/	4	36kA	Α -															
G ⁸	1600 - 2000	1600 - 2000	200kA	200kA	3000	L	200kA	200kA	100kA	0.05	100kA	100kA	100kA	42k	4	36kA																
S ⁸	1600 - 2000	1600 - 2000	200kA	200kA	2500	L	100kA	100kA	85kA	0.05	100kA	100kA	85kA	85k	4	65kA	85kA	65kA														
G	2600 - 3000	2600 - 3000	200kA	200kA	4000	L	125kA ⁶	125kA ⁶	100kA	0.05	100kA	100kA	100kA	42k	4	36kA	42kA	-														
G ⁸	3200	-	200kA	-	4000	L	100kA	100kA		0.05	100kA	100kA	-		-		- '															
G	4000	4000	200kA	200kA	5000	L	100kA	100kA	100kA	0.05	100kA	100kA	100kA	85KA 65kA		65	ίA															
U ⁸	2600 - 4000	2600 - 4000	200kA	200kA	5000	L	125kA	125kA	125kA	0.05	125kA	125kA	125kA	10	O0kA		100	kA														

Notes:

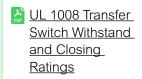
- 1. All WCR values indicated are tested in accordance with the requirements of UL 1008, 7th Edition. See ASCO Pub. 1128 for more WCR information
- 2. Application requirements may permit higher WCR for certain switch sizes.
- 3. Short Time ratings are provided for applications involving circuit breakers that utilize trip delay settings for system selective coordination
- 4. Max fuse rating is 1200A on front connected H frame switches
- 5. Switches utilizing overlapping neutral (code "C") have 35kA, 0.050 Sec time based rating at 480V Max
- 6. Rating shown is for Bypass switches only, Transfer Switch rating is 100kA for the G frame and 65kA max for the H and P frames. See ASCO Pub. 1128.
- 7. See ASCO for Service Entrance Switch ratings
- 8. These frames are only available on the 7000 Series product
- 9. Short Time Rating applies to 600A Bypass switch only, the 600A Transfer Switch does not have a Short Time Rating

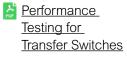
All units are RMS Symmetrical Amperes.

All Withstand and Close-on Rating (WCR) values are established by testing in accordance with UL 1008. For the latest ratings, including transfer switch ratings when used with specific circuit breakers, see <u>ASCO Publication 1128</u> for more WCR information.

Application characteristics may permit higher WCRs for certain switch sizes. Contact ASCO Power Technologies for more information.

Power Knowledge





Additional SERIES 300 Product Information

Transfer Switches and Panels	Controls	Technical Information
Manual Transfer Switch	Group G Controller	Withstand and Closing Ratings
Manual Transfer Switch with Quick Connects		Weights and Dimensions and Ordering Info
Quick Connect Power Panel		<u>Drawings</u>
Dual Purpose Quick Connect Power Panel		Wiring Diagrams

8

SERIES 300 Manual Transfer Switching and Quick Connection Solutions

ASCO SERIES 300 Manual Transfer Switching and Quick Connection Solutions offer reliable service and application flexibility for a wide range of facilities.

Manual Transfer Switches



- Three-position, easy-to-use center-off switch
- Compact design easy to install and maintain
- Designed to handle demands of motors and inrush currents

Power Knowledge

Differences
Between Manual,
Non-Automatic, &
Automatic Transfer
Switches

Product Details

SERIES 300

Manual Transfer

Switch

Quick Connect Panels



- Listed to UL 1008 Transfer Switch Accessory standard
- Utilizes standard Cam-Lok[™] receptacles for quick connections
- Standard Type 3R construction is weatherproof with or without cable
- Utilizes standard Series 16 Single Pole quick connect receptacles

Power Knowledge

Means

NEC Requirement
for Permanent
Manual Switching
Means

Product Details

SERIES 300
Quick Connect
Power Panel

Manual Transfer Switches with Quick Connects



- The ASCO SERIES 300 Manual Transfer Switch with Integrated Quick Connects provides a total temporary power connection and transfer solution
- Enables connection and control of a temporary or portable generator
- Provides a complete UL 1008-listed solution in a single unit

Product Details

SERIES 300

Manual Transfer

Switch with Quick

Connects

Dual-Purpose Manual Transfer Switches with Quick Connects



- Provides both supplemental backup power and load testing connectivity through a single device.
- Listed by ETL to UL 891
- Utilizes standard Series 16 Single Pole quick connect receptacles

Product Details

SERIES 300 Dual
Purpose Quick
Connect Power
Panel

10 11



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