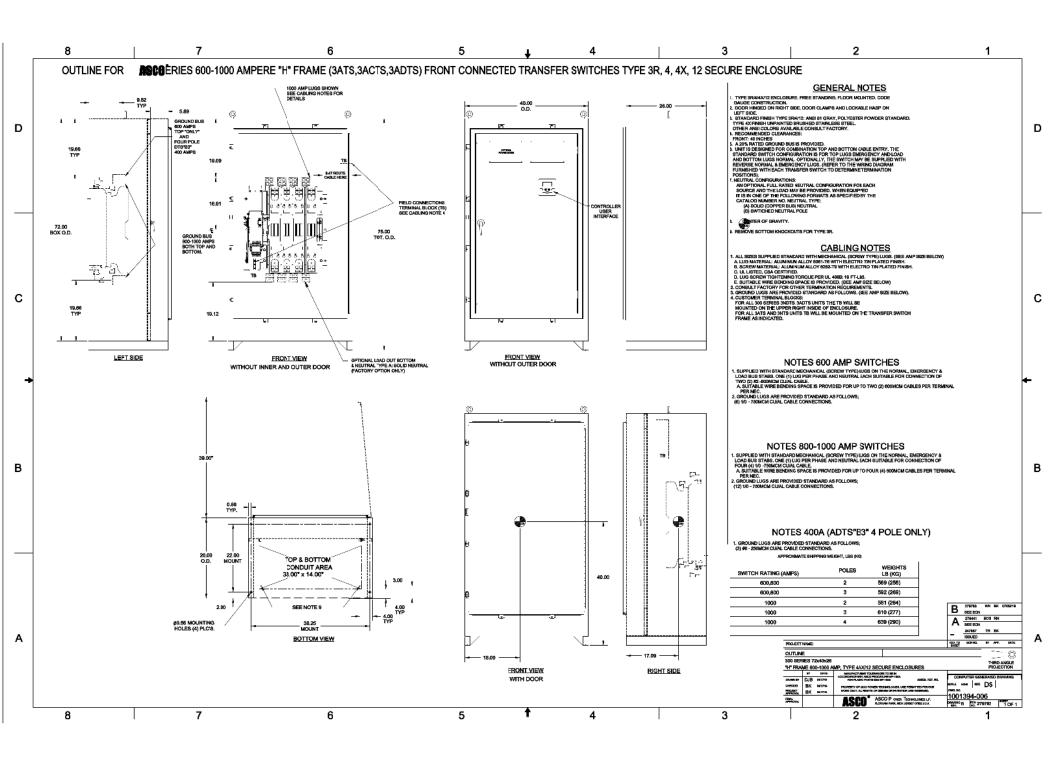
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Transfer Switch Details

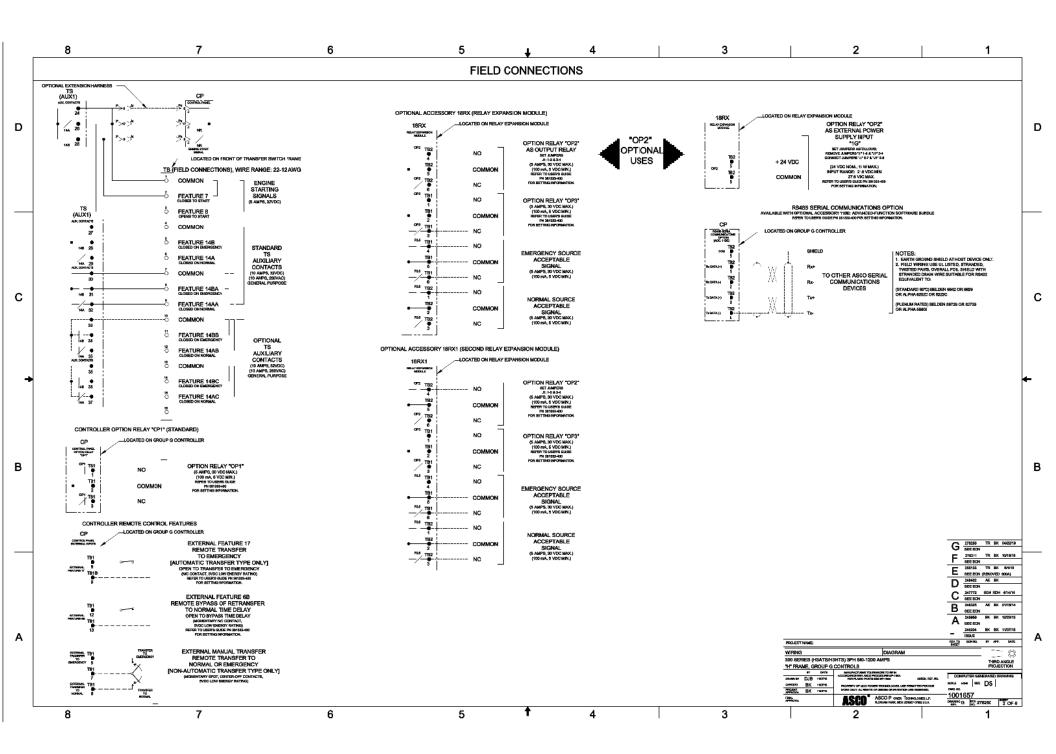
#10	AT	ATS AN				QTY: 2
Product	1	Series 300		Catalog Number	Ð	H03ATSB30800CGXM
Service Vol	tage / Hz :	208V/60Hz		Optional Accessories	S)	11BE,44G
Bypass Isola	ation :	Not Applicable	e	Product Description	Ĩ.	300 Series, Automatic Open Transition Transfer Switch
No. of Switc	hed Poles: 4	4		Neutral Configuration	ŝ	Switched [B]
Withstand F	Rating: :	See WCR Tal	ble Below	No. of Cables & Lug Size	100	4, 1/0 AWG to 600 MCM
Frame = H,	Switch Rating = 08	00, Series = 30	0			
Enclosure	ŧ	3R(M)-UL Typ double door e Disclaimer 3)	nclosure (See	Service	2	Three Phase, 4-wire
Extended W	/arranty :	Not Included		Markings		

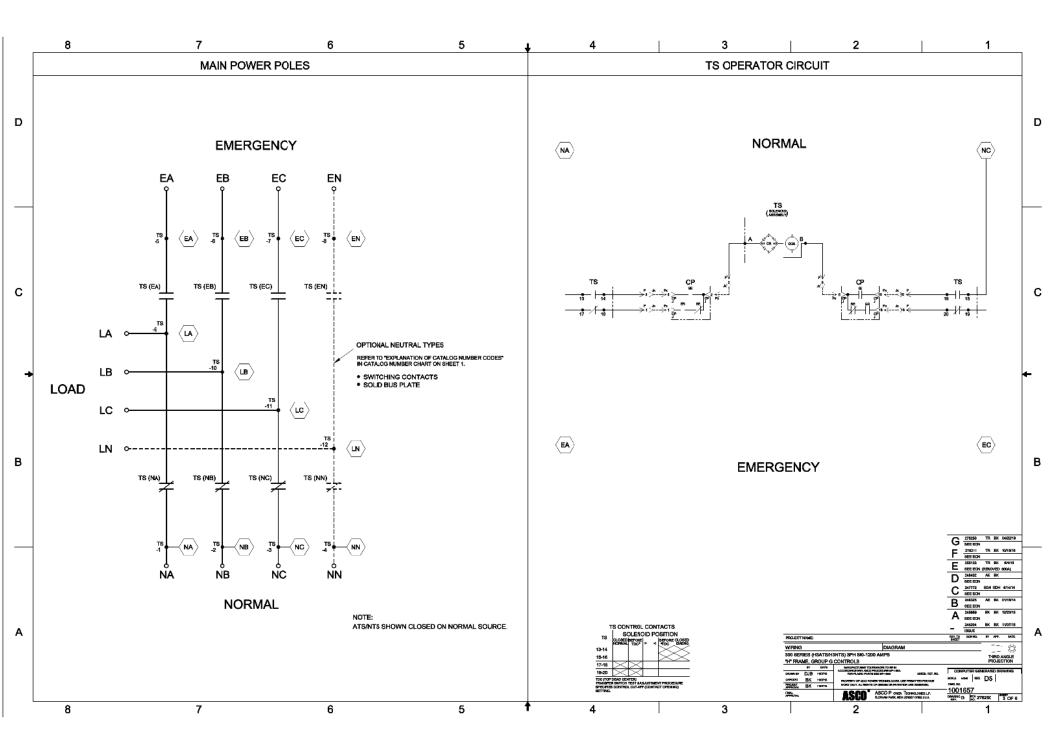
#	ACCESSORY DESCRIPTIONS						
	Accessory Code	Description					
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it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

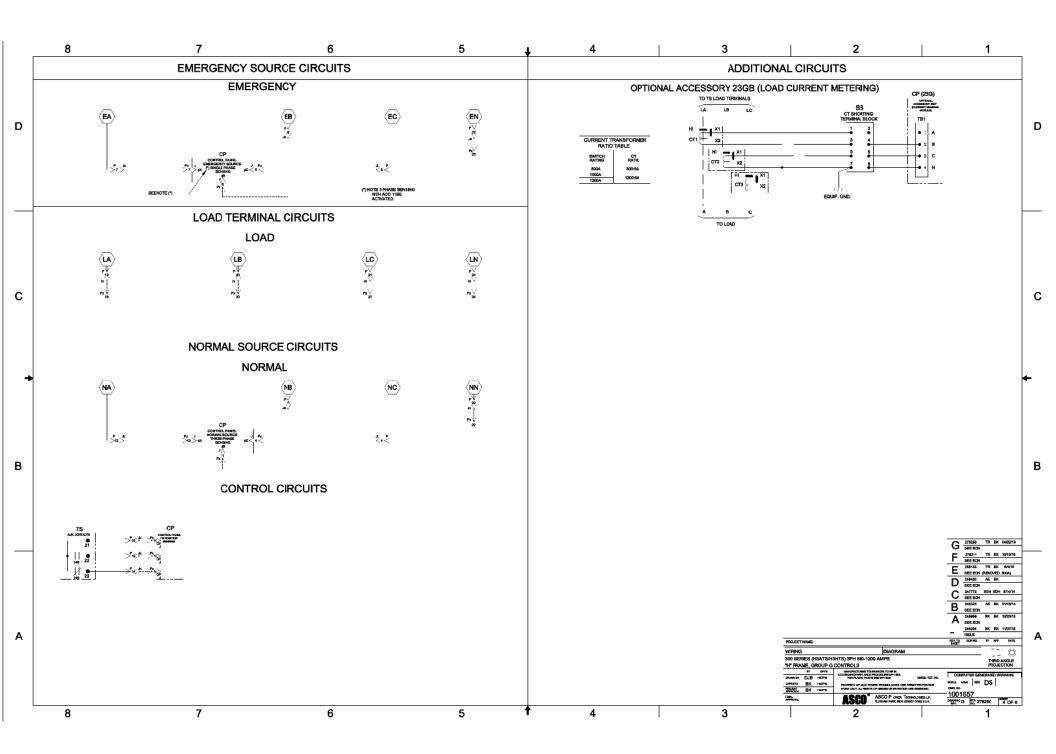


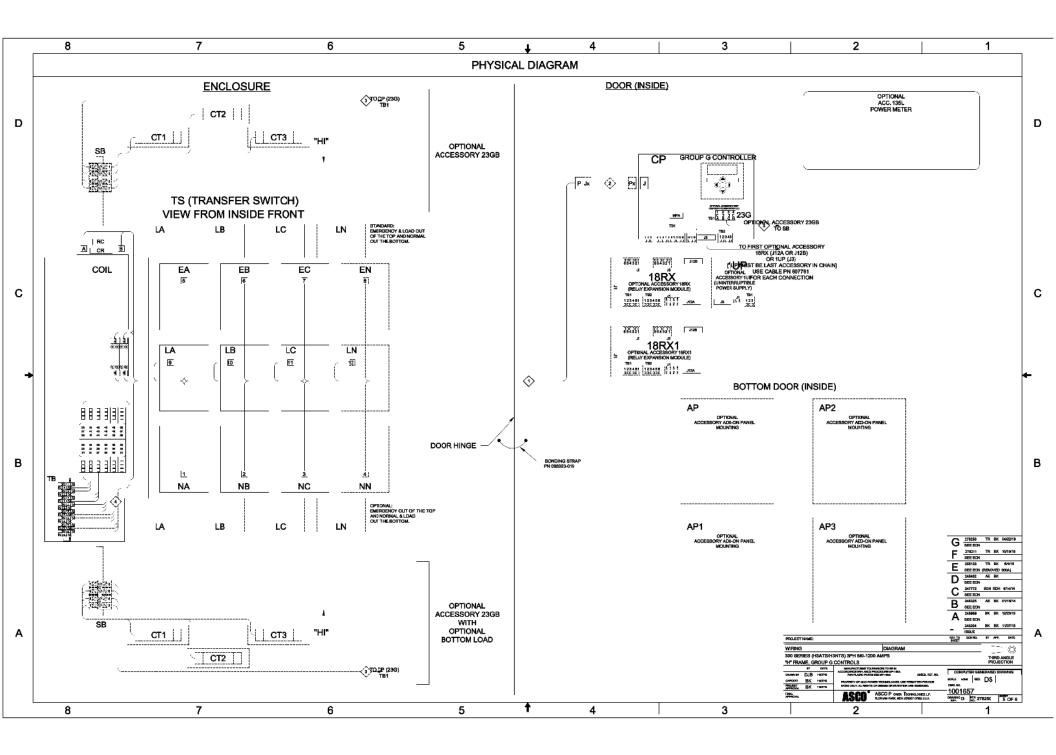


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	•		-		•		•	-			7	
		THREE PHASE WIRING FOR ASCO 300 SERIES TRANSFER SWITCHES TYPES H3ATS & H3NTS RATED 800, 1000 & 1200 AMPERES										
				GENERAL INFO								
	TRANSFER SWITCH RATED 600-1200 AMPERES.	R SWITCHES THAT UTILIZE THE "H" FRAME POWER	COMMON ALARM S.NOT IN AUTO SIGNALING FEATURES ASET OF FORM C CONTACTS IS REVOIDED ON THE GROUP & CONTROLLER AS 'OP'1'. THE FAUTURE SETING OF YOP' CAN BE SET TO COPERATE THE CONTACTS AS A 'NOT IN AUTO'				CH ASSEMBLIEB FACTORY 8	MATIC (MANUAL) OPERATION SET FOR NON-AUTOMATIC OPERATION PROVIDE USER TRANSFER SWITCH TO EITHER AVAILABLE SOURCE. THE				
	THE GROUP G CONTROLLER PROVIDES EITHER (H3NTS) OPERATION BASED ON ITS FACTORY SI REQUIREMENTS.	RAUTOMATIC (D3ATS) OR NON-AUTOMATIC [MANUAL] ETTING ACCORDING TO THE CUSTOMER ORDER	SIGNAL.			TRANSFER SWI	NITATED, ELSCREAL OPERATION OF THE TRANSFER SWITCH TO ETHER AVAILABLE SOLADE. THE TRANSFER SWITCH ASSEMBLY IS PHYSICALLY LEBITICAL TO THAT OF THE AUTOMATIC TYPE. NAMEU THE TRANSEED SWITCH IS FET FOR SWALLITYRAATY ORDER TON A ACTIVATE DRAWFOR					
	THE TYPE OF TRANSFER SWITCH PROVIDED CA MARKINGS LOCATED ON BOTH THE POWER TR/ CONTROLLER.	IN BE DETERMINED FROM THE PRODUCT IDENTIFICATION ANSFER SWITCH AND THE COVER OF THE GROUP G	WHEN "OP1" IS SET FOR "NOT IN AUTO", TRANSFER IS BEING INHIBITED FROM TR 346) OR THE TRANSFER SWITCHHAS BE WHEN OPTIONAL ACCESSORY 11BE "SOF	EN SET FOR NON-AUTOMATIC (MANU	AL) OPERATION.		WHEN THE TRANSFER SWITCH IS SET FOR NON-UNTOWATIC OPERATION, A CUSTOMER PROVIDED SELECTOR SWITCH MAY BE USED TO OPERATE FROM A REMOTE LOCATION. REMOTE CONTROL FEATURES					
	ALL OPERATIONAL SETTINGS AND SEQUENCES OPTIONAL ACCESSORIES (1UP, 18RX, 23G) ARE ASCO GROUP G CONTROLLER FOR AUTOMATIC PART NUMBER 38133400.	OF THE (ROUP G CONTROLLER AND ITS RELATED PROVIDED IN THE USER'S GUIDE, 3 & NON-AJTOMATIC TRANSFER SWITCHES,	ASSEMBLY, OP1' MAY ALTERNATIVELY 3 CONTACTS CHANGE POSITION WHEN A * 'COMMON ALARM' CONDITION IS PRESEI SELECTABLE.	SET FOR A "COMMON ALARM" SIGNAL COMMON ALARM" IS NOT PRESENT /	THE OUTPUT IND RESET WHEN A	SWITCH, EACH I DESCRIBED, EA	UNCTION CAN BE IMPLEMENT CH CONTROL CONTACT MUS	ROVDE REMOTE CONTROL FUNCTIONS FOR THE TRANSFER ITED BY THE CUSTOMER PROVIDING THE FORM OF CONTROL T BE SUITABLE FOR A 5 VDC LOW ENERGY CIRCUIT.				
	INFORMATION FOR INSTALLATION AND TESTING INSTALLATION MANUAL, ABCO SATE & SNTE, H-C PART NUMBER 351333-405.		ABDITIONAL "COMMON ALARM" AND THO ADDEBSORY 19RX (RELAY EXPANSION M ABSENELY, OUTPLIT CONTACTS "OP2 AN THE FEATURE SETTING OF EACH IS BET	IDIOR "OPS" WILL PROVIDE SIGNAL FI TO OPERATE AS "COMMON ALARM" (INCTIONE WHEN DR "NOT IN AUTO".	CAUSES ENGINE ACTIVATES THE RETRANSFER. II CONNECTED TO	START AND TRANSFER TO FEATURE 3A "RETRANSFER THE EVENT THAT THE EME	TO IMERGENCY FEATURE FOR AUTOMATIC TRANSFER TYPE NORMALLY CLOSED CONTACT. OPENING OF THE CONTACT THE EMERGENCY SOURCE. RE-CLOSURE OF THE CONTACT TO NORMAL OF JUST TEST TIME DELAY PRIOR TO REGEVT SOURCE FAILS WHILE THE TRANSFERSIMICH IS TOMER SUPPLIED CONTACT IS OPEN. THE TRANSFERSIMICH NORMAL DEFE				
	ENGINE I FEATURE 7 & FEATURE & ONE SET OF FORM C CONTACTS "NR" (FEAT. 7 N	CONTROL CONTACTS	CONTACTS ARE RATED 5 AMPS RESISTIVE AF 30 VDC MAXIMUM, 100 mÅ ATS VDC MINIMUM. RIFER TO USER'S GUIDE, ASCO GROUP & CONTROLLER FOR AUTOMATIC 5 NON-AUTOMATIC			EXTERNAL FEAT	URE AR: REMOTE RYPASS (FRETRANSFER TO NORMAL TIME DELAY . RECURSES A				
	ONE SET OF FORM C CONTACTS THE "FEAT, T NC, FEAT & NO() THAT CHANGE POSITION ON EXPIRATION OF THE FAULURE, OVERRIES EMANDINATION CORAL SUDJECT OUTAGED THAT AN AUXILIARY CONTACT THAT IS CLOSED WHEN THE TRANSFER SWITCH IS CONNECTED TO THE EMANDIANY CONTACT THAT IS CLOSED WHEN THE TRANSFER SWITCH IS CONNECTED TO THE EMANDIANY CONTACT THAT IS CLOSED WHEN THE TRANSFER SWITCH IS CONNECTED TO THE EMANDIANY CONTACT THAT IS CLOSED WHEN THE TRANSFER SWITCH IS CONNECTED TO THE		TRANSFER SWITCHES, PART NUMBER 38			REFER TO USER		CONTACT. OPENING OF THE CONTACT BYPASSES FEATURE 3A ONTROLLER FOR AUTOMATIC & NON-AUTOMATC TRANSFER				
		ITACTE ARE AVAILABLE ON THE GROUP 3 CONTROLLER DILLER OLIPUT CONTACTS "OP1" IS SET TO OPERATE AS	USE OF AN EXTERNAL POWER SUPPLY I CONTROLLER TIME DELAYS BEYOND 6 E	BECONDB;		01110120,174						
	ADDITIONAL OPTIONAL ENGINE STATTING CON	ITACTS "NR2" ARE AVAILABLE WHEN OPTIONAL ACCESSORY D IN THE TRANSFER SWITCH ASSEMBLY, OUTPUT ENGINE STARTING FUNCTION WHEN THE FEATURE	FEATURE 1C - OVERRIDE MOMENTARY N FEATURE 1F - OVERRIDE MOMENTARY E	MERGENCY BOURCE OUTAGES								
	SETTING OF EACH IS SET TO OPERATE AS "NR2	2.	AN EXTERNAL POWER SUPPLY IS ALSO COMMUNICATIONS FEATURES BY ENABL	ING THE CONTROLLER TO CONTINU	E COMMUNICATING.							
С	CONTACTS ARE RATED 5 AMPS RESISTIVE AT 3 REFER TO USER'S GUIDE, ASCO GROUP G CONT	TROLLERFOR AUTOMATIC & NON-AUTOMATIC	AN EXTERNAL POWER SOURCE WAY BE OR EMERGENCY SOURCE IS AVAILABLE	, BY USE OF;							C	
	TRANSFER SWITCHES, PART NUMBER 381333-40	10 FOR SETTING INFORMATION.	AN EXTERNAL 24 VDC POWER SUPPL OR OPTIONAL ACCESSORY 1UP (UNINTE)									
	FEATURE 31, INVELIDES OF DEEATURES 315, 34	ISCONNECT FEATURE	ECTERNAL 24 VOC POWER SLIPS V 10									
	A SET OF FORM C CONTACTS ARE PROVIDED O FEATURE SETTING OF '0F1' IS SET TO OPERAT SETTINGS OF THE SUB-FEATURES ARE AVAILAB	IN THE GROUP G CONTROLLER AS "OP1", WHEN THE THE CONTACTS AS "FEATURE 31", THE TIME DELAY BLE.	AN EXTERNAL 24 VICE POWER SUPPLY N 11RX (RELAY EXPANSION MODULE) IS IN CONTACTS "OP2" WILL PROVIDE EXTERN 87TTING IS BET TO OPERATE AS "1G". A ACCESSORY 18RX (RELAY EXPANSION N	NAL 24 VDC POWER SUPPLY FUNCTION DOMONALLY, JUMPERS MUST BE RE	WALITY WHEN ITS FEATURE CONFIGURED ON	E Contraction of the second						
	SETTINGS ASSOCIATED WITH EACH SUB-FEATU 31E - NORMAL TO ENERGENCY PRE-TRANSFER	HE FOLLOWING FUNCTIONS USING THE TIME DELAY JRE;	REMOVE JUMPERS "J1" 1-2 & "J1" 3-4 CONNECT JUMPERS "J1" 5-7 & "J1" 6-8								-	
-	31F - NORMAL TO EMERGENCY PRE-TRANSFER 31G - EMERGENCY TO NORMAL PRE-TRANSFER 31M - NORMAL TO EMERGENCY POST-TRANSFE 31N - EMERGENCY TO NORMAL POST TRANSFE	R BIGNAL	THE OUTPUT CONTACTS CHANGE POSIT SOURCE IS AVAILABLE AND RESET WHE SWITCHES CUSTOMER PROVIDED +24 V	TION WHEN EITHER THE NORMAL SO IN NUTHER SOURCE IS AVAILABLE. T DC FROM THE EXTERNAL POWER SU	IRCE OR EMERGENCY HE "OP2" NC CONTACT PPLY TO THE CONTROLLER.	1						
		ON FOLLOWING EACH OF THE ABOVE TIME DELAYS. EATURE 31" ARE AVAILABLE WHEN OPTIONAL ACCESSORY	REFER TO USER'S GUIDE, ABCOGROUP & CINTROLLER FOR AUTOMATIC & MONAUTOMATIC TRANSFER SWITCHES, PART NUMBER 381534400 FOR BETTING INFORMATION.									
	ADDITIONAL LOAD DISCONNECT CONTACTS, THE 18RX (RELAY EXPANSION MODULE) IS INCLUDE CONTACTS "OP2 AND/OR "OP3" WILL PROVIDE L SETTING OF EACH IS SET TO OPERATE AS "FEA"	EATURE 31" ARE AVAILABLE WHEN OPTIONAL ACCESSORY DIN THE TRANSFER SWITCH ASSEMULY, OUTPUT LOAD DISCONNECT FUNCTIONS WHEN THE FEATURE ITURE 31"	ACCESSORY 1UP (UNINTERRUPTIBLE PC WHEN OPTIONAL ACCESSORY 1UP IS IN IS PROVIDED WITH LIMITED RESERVE PC	CLUDED IN THE TRANSFER SWITCH /	SSEMBLY, THE CONTROLLE	R						
	ALL OUTPUT CONTACTS ('OP1', 'OP2', 'OP3') SE COMMON TIME DELAY SETTINGS OF SUB-FEAT.	IT TO OPERATE AS "FEATURE 31", SHARE THE JRES 31F, 31G, 31M, AND 31N.		DAD CURRENT METERING								
в	CONTACTS ARE RATED & AMPS RESISTIVE AT 30 VDC MAGMUM, 100 mA AT 5 VDC MINIMUM. REFER TO USER'S GUIDE, ABCO GROUP & DONTROLLERFOR AUTOMATIC & NON-AUTOMATIC TRANSFER OMITCHES, PART NUMBER 201533-400 FOR SITTING INFORMATICM.		LOAD CURRENT MEL EXANG WHEN OPTIONAL ACCESSORY 2308 IB PARIOF THE TRANSFER SWITCH ASSEMBLY, THREE PHASE CURRENT MEASUREMENTS ARE AVAILABLEFOR DISPLAY ON THE GROUP 3 CONTROLLER.								в	
Б			REFER TO USER'S QUIDE, ASCOGROUP & CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER SEI333-400 FOR NFORMATION ON USE.			ŧ					B	
	INPHASE TRANSFER CONTROL INITIATES AN INF	R FEATURE FOR LOAD TRANSFER PHASE TRANSFER OF LOADS BETWEEN LIVE SOURCES. 3 OF DISTRIBUTION CIRCUIT BREAKERS AND POSSIBLE	ADVANCED-FUNCTION SOFTWARE BUNDLE WHEN OPTIONAL ACCESSORY 198 IS PART OF THE TRANSFER SWITCH ASSEMBLY, AN ADVANCED-FUNCTION SOFTWARE BUNDLES AVAILABLE TO PERFORM THE FOLLOWING FUNCTIONS:									
	THIS BUILED TO PREVENT MARGANCE TREPANG OF DISTRIBUTION CIRCAT BREAKERS AND POSSIBLE XAMAGE TO MECHANICAL LOADS ASSOCIATED WITH OUT OF PHASE TRANSFER. REFER TO USER'S GUIDE, ASSO GROUP & CONTROLLERFOR AUTOMATIC & NON-AUTOMATIC TRANSFER		-SERIAL COMMUNICATIONS (RS-465) -PROGRAMMABLE ENGINE EXERCISER									
	SWITCHES, PART NUMBER 381333-400 FOR SET	TING INFORMATION.	-EVENT LOG -COMMON ALARM SIGNAL CAPABILITY & PHASE SENSING ONLY)	ON 6ROUP G CONTROLLER "OP1" OL	ITPUT.							
	SIGNALS INDICATING THE AVAILABILITY OF THE OPTIONAL ACCESSORY 188X (RELAY EXPANSIO	SOURCE AVAILABILITY SIGNALS IGNALS INDICATING THE AVAILABILITY OF THE NORMAL& EMERGENCY SOURCES IS PROVIDED WHEN PRIMAL ACCESSORY 18VX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH		NG.						G 278260 TR BK 042219	F	
	OF INDIA 200253011 INDIA NEED I DEPINIENDE INDIDE IS INCODED IN THE TRANSPORTATION SSENIELY, OUTPUT CONTACTS 'RLB' (RLB') (INDIA 2007) INDIA 2007) INDIA 2007 WALABLE) CHANGE POSITION WHEN THE SOURCE IS ACCEPTABLE.		-EMERGENCY VOLTAGE UNBALANCE S REFER TO USER'S GUIDE, ABCO GROUP	P G CONTROLLER FOR AUTOMATICA	NON-AUTOMATIC					F 275211 TR BK 10/19/13 SEE BCN 255133 TR BK 64/15	1	
	CONTACTS ARE RATED 5 MIPS RESISTIVE AT 3	3 VDC MAGMUM, 100 mA AT 5 VDC MINIMUM.	TRANSFER SWITCHES, PART NUMBER 3	381333-400 FOR INFORMATION ON TH	EBE FUNCTIONS.							
	NC	DTES	BASE CATALOG NUMBER TS CATALOG NEUTRAL PHASE AN FRUME TYPE TYPE POLEB	CATALOG NUMBER SI PS VOLT CONTROLLER OPTIONAL ACCESSOF	IFFIXES	OTYPE NEUTRAL TYPE	EXPLANATION OF C	ATALOG NUMBER CODES ENCLOBURE CODEB	CATALOG NUMBER CERTIFIED TO ASCO S.O.	C 247772 80H 80H 4/14/14 SEE ECN		
	1. SWITCH SHOWN DE-ENERGIZED CONNECTED 2. DEVICE SYMBOLS AND DESIGNATIONS ARE IN	I TO NORIAL SOURCE. N ACCORIANCE WITH NEMA PUB. ICS 1, PART		c	CODE DE	SCRIPTION CODE DESCRIPTION	CODE NOMINAL CODE TY		BY	B SHEEDEN	4	
	1-101A. 2. ALL WIRING IS #18 AWG, TINNED, STRANDED I 3. INDICATES CUSTOMER CONNECTION POINT	B			C 3NTS MA	NUAL B SWITCHIN		DPEN TYPE (NO ENCLOSURE) GENERAL PURPOSE, INDOOR NDOOR, WATER & DUST RESISTANT OUTDOOR, RAINPROOF, SLEET & ICE RESISTANT	DATE FORM REV G	A SEE ECN 245204 BK BK 1100713		
Α	4. INDICATES FACTORY CONNECTION POINTS, 5. CONNECTION POINTS THAT HAVE BOTH CUST ARE SHOWN OPEN AS CUSTOMER CONNECTION	TOMER CONNECTIONS AND FACTORY CONNECTIONS			F G H		D 220 F 3F E 230 G 4 F 240 H 40	NDOOR/OLITDOOR, WATERTIGHT & DUSTTIGHT TYPE 4 PLUS CORROSION RESISTANCE (STAINLESS STEEL)		ISSUE SX TO BOHRD BY APP. DOTE DEET	A	
	6. THE TRANSFER UNIT IS MOUNTED ON THE BA THE CONTROL PANEL AND ANY OPTIONAL ACC SURFACE OF THE DOOR.	CESSORIES ARE MOUNTED ON THE INSIDE	" 3NTS 5 10 12		J K L		H 380 K 7 J 400 L 12 K 415	TYPE 4 PLUS CORROSION RESISTANCE (FIRERGLASS) EXPLOSION PROOF NDOOR, INDUSTRIAL ENVIRONMENTS, OILTIGHT & DUSTRIC NDOOR, INDUSTRIAL ENVIRONMENTS, OILTIGHT & DUSTRIC		THRD ANGLE PRUCECTION		
	3. AN OPERATOR'S MANUAL IS FURNISHED WITH TRANSFER SWITCH. REFER TO THIS PUBLICAT OPERATION OF THE SWITCH. 8. GROUND STRAP ON CONTROL PANEL IS AFFU	LEACH AUTOMATIC 10N PRIOR TO INSTALLATION AND		R P	M N P		K 416 L 440 M 460 M 3F N 480 N 4	(SECURE ENCLOSURES) OUTDOOR, RAINPROOF, SLEET & ICE RESISTANT NDOORXOUTDOOR, WATERTIGHT & DUBTTGHT	TH' FRAME, GROUP G CONTROLS	CONFUTER GENERATED DRAMING	4	
	8. GROUND STRAP ON CONTROL PANEL IS AFFE AT LOWER LEFT CONTROL PANEL MOUNTING S	KED TO CHASSIS (ENCLOSURE) STUD.	PLANK	R	Q BLANK		N 480 N 4 P 550 P 40 Q 575 Q 12 R 500	TYPE 4 PLUS CORROSION RESISTANCE (STAINLESS STEEL)) снерако ВК 1460% молятит от морносители вознакомови вознакомови вознакомови вознакомови вознакомови вознакомо GHT може онит, и може	алиттерионания сондания алитерионания ина навилика, ранка на		
			BLANK FOR NONE	BLANK FDR NONE	FOR OPEN TYPE		N 800		ASCO P over Teo	онклонация. 1001657 веготавеция. секото в то 278250 10F 6		
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с	A) P 42115-811 22 P 22154 28 P 2415-82 28 P 2415-82 28 P 2415-82 27 15-26 TB-4	ADD WIRES									с
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в											В
A	<u> </u>	7	6	5	+	4			MIRING DAGRAM 300 667068 (HSAT3HISHT3) SPH BID-1200 AMPS TH RAME, GROUP G CONTROLS TH RAME, GROUP G CONTROLS CONTROLS WHRING MARINA WHRING CONTROLS WHRING Set 100 - 1200 AMPS WHRING Set 100 AMPS	G 272550 TR BK 542210 F 27650 TR BK 542210 F 27651 TR BK 542210 F 2765 F 2801601 41451 F 2865 F 2861601 41451 F 2865 F 2861601 41551 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865 F 2865	A