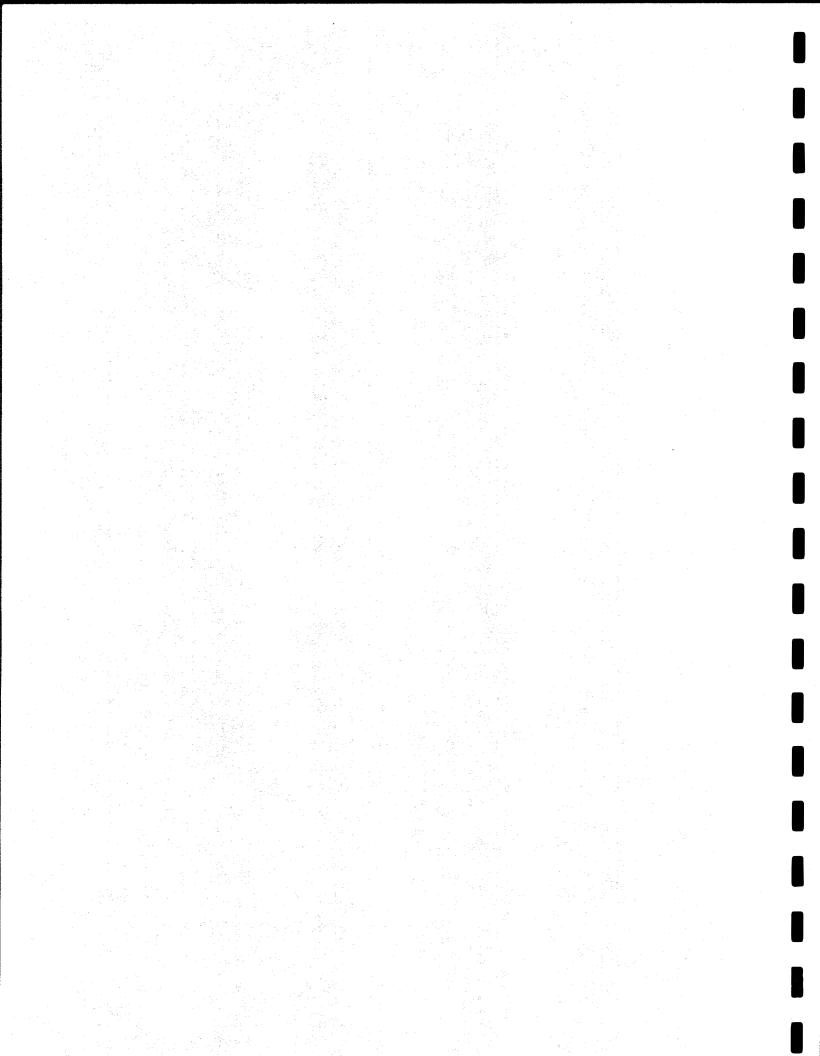
CLASS 29
ELECTROMAGNETIC CONTACT DEVICES

(ALL TYPES)

INCLUDES: RELAYS & CIRCUIT BREAKERS
NOTE: SOLONOIDS COVERED BY CLASS 30

**RESTRICTED** 

NAVSHIPS 900,109



NAVY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
		CSD 29013 MISC. SOUND
CAU 29000 * SEE BELOW	CRR 29007 GQ	RELAY
RELAY DOUBLE POLE SINGLE THROW, NORMALLY CLOS-	RELAY-ANTENNA BAND CHANGE 4 PDT 8-14 V. D.C. COIL.	115 V., 60 CYCLE COIL WITH 2000 OHM
ED OPERATING COILS #1 & 2 TO BE 800 OHMS	4 FUI 6-14 V. D.C. CUIL.	AB RESISTOR DPST NORMALLY CLOSED, CONTACT RATING 1 AMP DC.
± 10\$ (20 VOLT, 0,025 AMP) ENERGIZING		COMINCI RAISING I ARE UC.
COIL TO MATCH WITH THOSE OF OTHER TYPE " -29000 RELAYS WITHIN ± 10\$ - APPROX.		
* (UA-1) CRY-35000.		3/3/38 CXA 1848 CBM:746-12
10/8/37 PEL CRY:KX-284035 NOV. 41 REV. 0	1/11/38 AE 6760 AE 6760	NOV. 41 C3M:746-12
ROY, 41	ROY. 41	
(20 VOLTS 0.03 AMPS.) 29000		CSD 29014 MISC. SOUND
120 VOLIS 0:03 AMPS: 7 29000	CBM 29008 * SEE BELOW 55RE29J1001A KEYING RELAY ASSEMBLY	RELAY
	INCLUDES A 29042 RELAY AND A 48881	110 V. 60 CYCLE COIL. DPST SB NORMAL OPEN CONTACT RATING 1 AMP DC.
	COMPENSATING CAPACITOR WITH A - 63349E	THE CONTACT RATING 1 AND DC.
	SERIES RESISTOR.	불렀게 되었다.
	Notice 4	
	# QC-1a & QC-1b (IMP) 2/16/38 773A CBM:DWG773A	3/3/38 CS 1730 CBM:746-10
	NOV- 41	NOV. 41 Cam: 746-23
	그래마 그 생각이 살아 있다.	
cw-29001 GQ	CSD 29009 HISC. SOUND	CSD 29015 HISC. SOUND
RELAY	RELAY	RELAY 110 V 60 CYCLE COIL. DPDT SB CONTAC
SPOT - 8 TO 14 VOLT DC COIL.	110 V. 60 CYCLE COIL. SPOT-DB CONTACT	RATING I AMP DC.
	RATING 1 AHP. DC.	
10/30/37 E-337 CRR:B7517	3/3/38 CXA-1898	3/3/38 CS1729 CBM:746-10
NOV. 41	NOV. 41 (CSM TYPE 746-3)(CBM) 746-3	NOV. 41 C3M:746-43
		CSD 29016 MISC. SOUND
CLR 29002 CQ	CSD 29010 MISC. SOUND	RELAY
RELAY DPST SINGLE BREAK NORMALLY OPEN WITH	RELAY 6 V. 60 CYCLE COIL. SPST-DB NORMALLY	110 V. 60 CYCLE COIL. DPST NORMALLY
JUMPER FOR OPERATION AS A SPST DOUBLE	OPEN CONTACT RATING 1 AMP DC.	CLOSED CONTACT RATING 1/4 AMP DC.
BREAK NORMALLY OPEN. 8 TO 14 VOLTS DC		
CONTACTS RATED AT IS AMP, 6 VOLTS OR 5 AMP 115 VOLTS. CURRENT FOR NORMAL		
OPERATION IS 0.17 AMP AT 12 VOLTS.		3/3/38 CX 1848 CBM:745-10
10/30/37 1204 · CRR;B4894	3/3/38 CX 1898 (CBH) 746-3	3/3/38 CX 1848 CBM:745-10
NOV. 41	NOV. 41 (CBM TYPE 746-4)	
		CRV 29017 CRV-50064
CSP 29003 MISC. SOUND	CSD- 29010-A HCA	RECEIVER INPUT ATTENUATOR
RELAY PANEL Consists of 4 relays for 115 Y. AC	RELAY, MIDGET SPOT OB. NORMALLY OPEN. CONTACTS RATED 1	RELAY CONTROL WITH ADJUSTABLE ATTENUA
OPERATION WITH CONTACT OF ONE FOR 115 V.	AMP 110V. COIL RATED 6 VOLTS, 60 CYCLES.	
A.C. O.3 A. OF OTHER THREE FOR 440 V.	300 TURNS #25 WIRE, 1.8 OHMS DC RESIS-	2000 TO 18,100 KC.
A.C., 5.D AMPS. AND I TIME DELAY SWITCH.	TANCE. ARMATURE OPEN 1.52 AMPS., CLOSED. 76 AMPS. SAME AS -29010 EXCEPT FOR AUXI-	
	OOLD CSD CXI-1898. CBM TYPE 746-3A	3/25/38 H-418073
1/5/38 TD-284 CBM:SK2839	4/10/45 1XHX103 CBM:746-4A JUN. 45 COIL: "3A" Θ	NOV. 41 REV O
NOV. 41 CBH TYPE 746-53	Jun. 45 CUIL: "SA" U	
		CRY 29018 CRV-50064
CSD 29004 MISC. SOUND	csD-29010-A	RELAY
RELAY - TIME DELAY 115 V. 60 CY. COIL, SPST SB NORMALLY	LIARY ARM & BAR IN MOVING CONTACT & MY- CALEX INSULATION.	DPST SB NORMALLY OPEN. 10 TO 14 V. D. COIL. MAX CURRENT 75 MA.
OPEN.	THE PROPERTY OF THE PROPERTY O	Sores and Connell / S III.
		PART CONTRACTOR CONTRA
		4/5/38 C CRV:K-843337
1/6/38 TD-97 CBH:746-40		NOV. 41 REV. 4
NOV. 41 C3H:746-40		in uAshini Bilashini u sa
csp 29005 Misc. sound	CSD 29011 MISC. SOUND	CLR 29019 GQ
RELAY	RELAY	RELAY 2 POLE, 2 THROW SINGLE BREAK: 2 POLE
115 V. 60 CY. COIL SP-ST-DB NORMALLY	6 V. 60 CYCLE COIL. DPST SB NORMALLY	SINGLE THROW, SINGLE BREAK, NORMALLY
OPEN CONTACT RATING 1 AMP. D.C.	OPEN CONTACT RATING & AMP. DC.	OPEN 10 TO 12 V. DC COIL. 0.18 AMP.,
		OHMS.
*(CBM TYPE 746-41)		
1/6/58 ABTXIP CBM:746-12	3/3/38 CS 1730 CBM 746-10	4/9/38 1466RYMX CRR:QB-8416 NOV. 41 COIL #354D
NOV. 41 *SEE ABOVE	NOV. 41 CBM TYPE 746-10	, w
		CDR 29020 GQ
CSD 29006 MISC. SOUND	CSD 29012 MISC. SOUND	CDR 29020 GQ RELAY
RELAY	RELAY	RATED 50 AMPERES - 15 VOLTS - COIL:
115 V. 60 CY COIL 4 PST SB NORMALLY OPEN	6 VOLTS, 60 CYCLE COIL. DPST SB NORMALLY CLOSED CONTACT RATING 1/4 AMP DC.	
CONTACT RATING 4 AMPS. D.C.	SCOSED COMINCE RATING 1/4 ARE DC.	NO
#/CDU TYDE 740-505		4/12/38 EX-19374 CRR:OR-6195
*(CBM TYPE 74G-58) 1/6/38 AF3F 8 CBH:746-58	3/3/38 CX 1848 CBM:746-10	4/12/38 EX-19374 CRR:QB-6195 NOV. 41
	1 404 41 (244745-11 '	SIGNED
NOV. 41 *SEE ABOVE ASSIGNED		

MANY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	MAYY TYPE FIRST ASSIGNED FOR OR SPECIFICATION
CRR 29021 LD-4 RELAY LESS COVER SPST S8 NO; 110 V. DC COIL 8 MA DC. CONTACT RATING 4 AMPS (300 MATIS)	CBM 29028	CSZ 29035 TBK-8 OVERLOAD RELAY SPST SB, NORMALLY CLOSED. CONTACTS RATED AT 0.4 AMP AT 230 V, DC, 1 AMP AT 115 V. DC, 5 AMP AT 110 V. AC. MAX. TRIPPING
4/28/38 (CAU) RA 30 CRR:AC55273 A & NOV. 41 MODIFIED C-553688	SERIES RESISTOR.  # QBA, QBA-1 & QBB. 10/4/38 7738 CBM:DMG 7738 NOV. 41	VALUE IS 0.62 A., MIN. VALUE 0.31 AMP. COIL RESISTANCE 22 OHMS. OIL DASHPOT MITH "MEMCO C" OIL. NAVY TYPE 9045 OIL II/14/38 CLASS 9055 CRV: K-860232-3 NOV. 41 EQ 474 REV 0
CAU 29022 GENERAL USE RELAY SPECIAL FOR USE IN TYPE - 29017 RECEIVER INPUT ATTENUATOR UNIT - 12 Y. DC COIL-	CSD 29029 * SEE BELOW RELAY 3P-ST-SB-NO; COIL RATED: 115 VOLT 60 CT.; CONTACTS RATED: 110 VOLTS - 30 AMPS	CSZ 2 9036 TBK-8 OVERLOAD RELAY SPST SB, NORMALLY CLOSED. CONTACTS RATED
100 OHMS DC RESISTANCE.	AC, 4 AMPS DC. 220 VOLTS - 25 AMPS AC, 2 AMPS DC. # CBM-52095 (QCH) 10/10/38 ATOB8 CBM:746-62	AT 0.4 AMP AT 230 V. DC, 1 AMP AT 115 V. DC, 5 AMP AT 110 V. AC. MAXIMUM TRIPPING VALUE IS 0.34 AMP, MINIMUM VALUE IS 0.17 A. COIL RESISTANCE 60 OMMS. OIL DASHPOT WITH "MEMCO C" OIL. (NAVY TYPE 9045 OIL) 11/14/58 CLASS 9055 CRY:K-860232-4
NOV. 41 D282377 COIL 501 REV. 2	NOV. 41 CBH:746-62	NOV. 41 EQ 475 REV. 0
CBM 29023 * SEE BELOW 55RE29J1000A KEYING RELAY ASSEMBLY INCLUDES A - 29026 RELAY AND A - 48881 COMPENSATING CAPACITOR WITH A - 63349E SERIES RESISTOR.	CSD 29030 # SEE BELOW RELAY SPST DB NORMALLY OPEN; 110 VOLT 60 CY. COIL. CONTACTS RATED 1 AMP DC.	CSZ 29037 * SEE BELOM RELAY DPST SB NORMALLY OPEN. CONTACTS RATED AT 6 AMP 110 V. DC. 3 AMP 220 V. DC OR 15 AMP 220 VOLTS AC. MAXIMUM COIL RATING IS 85 MA AT 121 V. AC. HINIMUM IS 67 MA
* QCA, QCB, QCB, -1, QCE, QCE-1. 6/7/38 773 CBM:OWG 773 MOV. 41	* CBM-52094 (NM-10) 10/10/38 CX 1898 CBM:746-3 NOV. 41 CBM:746-66	© COIL 1287-S1-W33. * TBK-8, 10 & TBL-4. 11/14/38 CLASS 8511; CRY:K-860258-2 NOV. 41 © SEE ABOYE REV. 5
CBM 29023-A * SEE BELON 55RE29J1003A KEYING RELAY ASSEMBLY SAME AS NAVY TYPE CBM-29023 EXCEPT FOR ADDITION OF COUPLING RESISTORS.	CSD 29031 * SEE BELOW RELAY 3P-ST-S8-NO; COIL RATED: 115 V. 60 CYS.; CONTACTS RATED: 110 VOLTS: 30 AMPS AC, 4 AMPS DC; 220 V., 25 AMPS AC; 2 AMPS OC;	AT 93 V. AC. 29037
* QCAI, QCB-2, 3 & QCE-2, 3. 2/20/40 773C CBM:DWG SK:4005	WITH (2) BLOW OUT CONTACTS FOR 75 VOLTS, 7.5 AMPS. * * CBM-23136 (QCH) 10/10/38 CS D904A CBM:746-70 NOV. 41 CBM TYPE 746-70	
NOV. 41	CSD 29032 * SEE BELOW	
29024 * SEE BELOW RELAY VOLTS COIL DPST NORMALLY OPEN CONTACT RATING AMPS.	RELAY  4P-SI-SB-NO, WITH ONE BLOW OUT FIELD  COIL FOR 75 VOLT 7-5 AMP. CONTACTS  RATED: 110 VOLTS - 30 AMPS AC., 4 AMPS  DC; 220 VOLTS - 25 AMPS AC., 2 AMPS. DC.  COIL RATED: 115 VOLTS 60 CYCLES.  * CBM-SE094 (NM-10)	CSZ 29038 TBK-8 RELAY DPST SB NORNALLY OPEN; CONTACTS RATED AT 6 AMP 110 V. DC, 3 AMP 220 V. DC OR 15 AMP 220 VOLTS AC. MAXIMUM COIL RATING IS 22 MA AT 253 V. DC. MINIMUM IS 17.5 MA AT 200 V. DC.
* CBH- 20022A (QCA) 6/10/38 NOV. 41	10/10/38 C\$2557 CBM;746-71 NOV. 41 CBM TYPE 746-71	11/14/38 CLASS 7811 CRY:K-860238-3 NOV. 41 COIL:1305-S1-W40 REV. 5
CAY 29025 TBL-3 ANTENNA TRANSFER RELAY PANEL: SALENOID DESIGNED FOR 80 VOLTS DC. RELAY PANEL HAS TWO SELF CONTAINED SERIES RESISTORS TYPE -63257E TO PENNII OPERATION FROM 250 VOLTS DC POWER SUPPLY. RF CONTACT RATING 20 MMP OR	CG-29033 TBC-2 CONTACTOR PANEL INCLUDES MAIN RECTIFIER PLATE STARTING CONTACTORS & RESISTORS; AS WELL AS POWER AMPLIFIER FILAMENT VOLTAGE REGULATOR & STARTING CONTACTOR.	CLR 29039 FA & F8  RELAY DPST SINGLE BREAK NORMALLY OPEN. COIL RATED 115 V AC OR OC. PARTS 17 & 26 OF CLR DRAWING OMITTED WHICH PREVENTS OPERATION FROM DC. EACH POLE RATED 30 AMPS 110 VOLTS AC 378" DIA SILVER
250,000 VOLTS PEAK. 6/17/38 T-7605628 NOV. 41 SUB 0	10/18/38 CR-533989 NOV. 41	CONTACTS. 20 AMPS 220 VOLTS AC. 4/25/41 6104 LA-1621 NOV. 41 REV. 0
CAY 29026 29023&29028 RELAY 100 YOLT DC $\pm$ 10 V. COIL: SPST DB NO AND (2) SPOT DB CONTACTS.	CRV 29034 TBK-8 KEYING RELAY DPST WITH AUXILIARY TRANSFER CONTACT. THE THO POLES HAVE THO BREAKS PER CIRCUIT AND ARE NORMALLY OPEN. RATED 2 AMP 500 V. AC OR 1 AMP 400 V. DC.	CKF 29040 SD SHUTTER RELAY ELEMENT THIS UNIT IS NOT PROVIDED WITH CONTACTS. IN OPERATION LOW RESISTANCE WINDING (6.5 OHMS) IS MOMENTARILY EXCITED WHICH CAUSES THIS SHAFT TO ROTATE APPROXIMATE-
10/4/38 867377 CBM:773-41 NOV. 41 CBM TYPE 773-41	AUXILIARY TRANSFER CONTACT IS SPOT, SINGLE BREAK PER CIRCUIT. CONTACTS RATED 11/14/38 P-720375-501 NOV. 41 REV. 2	LY 30°. MINEN IN THIS POSITION ENTIRE COIL (296.5 OHMS) IS IN CIRCUIT. SHAFT 6/6/41 U-271 U-271 NOV. 41
CAY 29027 52095 (QCH)  RELAY SAME AS -29029 EXCEPT HAS COIL FOR 75  VOLT ± 10 V. OPERATION.	AT 0.25 AMP AT 250 V. DC. 29034  MAX COIL CURRENT 126 MA AT 70 V. DC;  MINIMUM 67 MA AT 37 VOLTS. NORMAL IS  87 MA AT 48 V. DC.	ROTATION LIFTS SHUTTER INDEX 29040 AND OPERATES SWITCH WHICH CHANGES FROM PARTIAL COIL TO FULL COIL. OPERATES ON 24 VOLIS DC.
10/4/38 867379 CBM:773-41 NOV. 41 CBM:769-294 ASSIGNEE ISSUED		

MANUFACTURES "PROTESTICAM

DESIGNATION FIRST ASSIGNED FOR	NAVY PRAWING	DESIGNATION FIRST ASSIGNED FOR OR SPE	CIPACXING.	DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION
		•				
CRV 29041 TBL-4		CSD- 29046 TBK-8.TBL4		CRR 2905		
SPST, SINGLE BREAK, NORMALL	LY CLOSED.	RELAY SPSTSB NORMALLY CLOSED. COIL R	ATED 119		OTARY TYPE Normally Closed	AND ONE COAT
NSTANTANEOUS CLOSE, O.1 SE		DC +45%-23% AT 12 MA. CONTACTS	RATED TO		RATED AT 5 AMP.	
DPEHING. COIL RATED 50 V. D HINIMUM CURRENT REQUIRED FO		MAKE AND BREAK 5 A 230V DC MAG		CURRENT D	RAIN IS 4.5 AMP	AT 12 VOLTS TO
PERATION IS 0.009 AMP.		BLOW OUT. MINIMUM CURRENT FOR OPERATION (S 0.007 AMPERES.	NURNAL	OPERATE,	AND 0.6 AHP AT	12 VOLIS 10
1/18/38 E CR	RV:K-856448-1	*CAY:7609921 PT 1, REV 1				
	EV. 0	12/1/38 CX1968 CRV:K FEB. 45 REV 0	:-855602-1 !	5/29/39 NOV. 41		AC:55672-3 REV. 0
AY 29042 -29008		CKU 29047 * SEE BELOW		CLR 2905	3 CRV-78091	10RE 78J 119
EYING RELAY		RELAY		RELAY	) (117,0031	SHEET 3A
OO VOLT DC COIL SPST SB NO	) & (2) SPD1	SPOT SB; COIL RATED 55 VOLTS 6				. 60 CICLES COI
		AT APPROXIMATELY 12 MA; CONTAC 2.5 AMP AT 115 V. AC; 1.2 AMPS				IAL OPERATION IS COIL 530 OHMS.
		VOLTS AC NON INDUCTIVE LOAD.		CONTACTS	RATED AT 5 AMP	110 Y. AC AND E
		* TBK8, TBK10, TBL-4.			. DC NON INDUCT	
1/29/38 867374 CB	BM:773A	12/1/38 34C CRV:K	-843820-1	6/9/39	1507-MX	*SEE ABOVE
		NOV. 41 REV.	•	NOV. 41		
sz 29043 TBL-4						
VERLOAD RELAY-MANUAL		csz 29048 TBL-4	5 5	CLR 29054	+ CRV-78091	10RE 78J 1199
ESET	V C1 00ED-	RELAY  4P.ST, NORMALLY OPEN. COTE VOL	TAGE 110		LE BREAK; 90 TO	SHEET 3A 110 V. DC.
PST, SINGLE BREAK, NORMALL ANUAL RESET; COIL RATED: 5		AC ± 10% 60 CYCLES. MAXIMUM OF	185 MA AT	COIL RESIS	STANCE 5000 OHM	S. MINIMUM
DJUSTABLE FOR OPERATION FR	OM 0.62 TO	122 V. AC, MINIMUM 70 MA AT 10 OPERATES WITH 100 OHMS SERIES			OR NORMAL OPERA Rated 4 amp 110	TION 76 V. DC. V. AC AND 4 AM
.25 AMPS; TYPE 739-S26-W21 ATED 0.4 AMP AT 230 VOLTS		COIL RESISTANCE 174 OHMS. CONT	ACTS RATED		NON-INDUCTIVE	
1/30/38 CLASS 9055 CR	V:M-420648-4	3 A. 110 V. DC, 1,5 A. 220 V. 12/3/40 CLASS 8511-K CRV:	DC, 6 A. 1-420455-1	6/9/39	1027-8F SPECIAL	CRV:V+303267
OV. 41 EQ 779 RE	iv. 2	NOV. 41 COIL:1267-SJ-W33REV.			100 VOLTS DC.	REV. 0
15 VOLTS DC. 5 AMP AT 110	29043	220 VOLTS AC.	29048	CLR 2905	S GR	
OLTS AC, OIL DASHPOT MAX A			27040	RELAY	,	
.35 A PULLIN, 0.15 A DROPO DJUSTMENT: 0.57 A PULLIN,					ALLY OPEN SINGL	
OPOUT.		•		OHMS DC .	10 12 VOLIS, 0.	5 ARP DC; 24
				8/14/39	COIL # 3548	CRR DWG A17539
				NOV. 41		REV. 0
SZ 29044 TBL-4		csz 29049 TBL-4		CLR 2905	6 GR	
VERLOAD RELAY - MANUAL ESET. SPST, SINGLE BREAK,	NORMALLY	RELAY		RELAY		
LOSED, MANUAL RESET; COIL	RATED: 22	4PST NORMALLY OPEN COIL RATED; DC ± 10%; 68 MA MAX. AT 99 VOI			LE BREAK; COIL , 67 OHMS DC.	KATEU 10 10 12
HMS DC; ADJUSTABLE FOR OPE .31 TO 0.62 AMP DC, TYPE 7		MA MIN. AT 81 VOLTS DC. 1650 C	HHS DC;			
ONTACTS RATED 0.4 AMP AT 2	30 VOLTS DC	CONTACTS RATED 3 AMP AT 110 VO				
AMP AT 115V OC, 5 AHP AT 1/30/38 CLASS 9055 CR	115V AC. 011 V:M-420648-3	VOLTS AC.				000 Bus
	V. 2	12/3/40 CLASS 7811-K CRV: NOV. 41 COIL: 13D5-SI-W36REV.	4 · 420465 - 2 6	8/14/39 NOY. 41	OUIL #354	CRR DWG A17536 REV. 0
ASHPOT. MAX. AOJUSTMENT:	csz 29044	CRY 29050 CRY-50064		CLR 2905	<b>7</b> 0P-9,10/D0	-3
67 AMP PULLIN. 0.07 AMP D	ROPOUT; MIN.	CRY 29050 CRV-50064 RELAY SPECIAL		RELAY		
DJUSTMENT. 0.29 AMP PULLIN ROPOUT.		FOR USE IN SPEECH AMPLIFIER IN		PATED &	LE BREAK, NOR™A , 50 TO 60 CYCL	LLY CLOSED; COI
	•	PARTS PLATED, OPERATED FROM 11 D.C. Similar to automatic elec		MINIMUM.	7.5 V MAXIMUM.	CONTACTS RATED
		ZQA, COIL NO. D-282377.		2 AMP AT	IIO VOLTS AC OR	DC NON INDUC-
			100		. COIL 230 TUR DC RESISTANCE.	no pro E BIKE,
			-418060-	8/23/39 L NOV. 41 C		CRV:K-854724-1 REV 3
		NOV. 41 504 A	LT. 7			
SZ 290 <b>45</b> * SEE BELOW ELAY		CRY 29051 * SEE BELOW		CSD 29051		
PST SB NORMALLY OPEN; COIL	RAITED 115 V.	PRIMARY CONTROL RELAY DOUBLE POLE, SINGLE THROW. CO	II PATING			ATED 75 VOLTS D
C ± 10%, 2620 OHMS DC RES!	STANCE, CLOSE	110 VOLTS A.C., 1300 OHMS. CO	TACT	± 20% IN	SERIES WITH A 5	000 OHM RESIS-
T 39.6 MA AT 103.5 VOLTS. ATING 48.3 MA AT 126.5 VOL	TS DC. CON-	RATING: 50 WATTS BUT NOT MORE SINGLE MAKE, NORMALLY OPEN. CO			ISTANCE 10,000 ED 2 AMPS "T 11	
ACTS RATEO 6 AMP AT 110 V.		1800 OHMS, 0.010 AMPS D.C. REI	LAY IS A			
† TBK8, TBK10, TBL4.  2/1/38   CLASS 7811   CR	Y:K-860238-1	* TBA-5, TBK-11, T8M-6 & TBU-		9/21/39	CXA-2119	T-760138-11
10V. 41 COIL: 1305-S1-W37 R		12/19/40 CAY: NOV. 41 SUB.		NOV. 41		SU8. 2
20 VOLTS OC. 15 ANP AT 220	29045	TYPE "C", WITH COIL W-1064	29051	cso 29059	9 TBK-9	
. 60 CYCLES.		AND WITH THO FORM "A" SILVER		THERMOSTA	T RELAY	
		CONTACTS.			LE BREAK; COIL	
					CONTACTS RATED RESISTANCE 930	
				9/21/39 (	CXB-1968	T-760138-12
	ASSIGNE ISSUED		ASSIGNEE ISSUED	NOV - 41		SUB. 2

MANUFACTHER'S MANUFACTHER'S

DATE

MANUFACTURES MANUFACTURES

MANUFACTURER'S MANUFACTURER'S DESIGNATION

DESIGNATION FIRST ASSIGNED FOR DAYY DRAWING	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION
20060 TOY-0 F VB	CAY 20063 TOY-0	
CAY 29060 TBK-9 & YB OVERLOAD RELAY - MANUAL	CAY 29063 TBK-9 FIELD CONTACTOR	CAY 29069 YB. YC. TD
RESET. SPST SINGLE BREAK, NORMALLY	DPST DOUBLE BREAK, NORMALLY OPEN COIL	TIME DELAY RELAY SPST DOUBLE BREAK, NORMALLY OPEN, SELF
CLOSED; ADJUSTABLE FOR OPERATION FROM 0.25 TO 0.7 AMPS (S#1156527 OPERATING	RATED: 110 VOLTS ± 10% 60 CYCLES; 0.085 AMPS: CONTACTS RATED: 5 AMPS AT 220	STARTING SYNCHRONOUS MOTOR TYPE WITH
COIL) CONTACTS RATED 0.5 AMP AT 230 VOLTS AC/DC. COIL RESISTANCE 103 ONMS	VOLTS AC. COIL RESISTANCE 6.5 OHMS D.C. (CAY TYPE 5-FN-61)	ADJUSTMENTS TO A MAXIMUM TIME OF 1 MIN. CONTACTS WILL BREAK 1.5 AMP AT 125 VOLTS
DC.		DC OR 5 AMP AT 125 VOLTS AC.
9/21/39 SC-1 T-7606174-23 NOV. 41 S#1155099 SUB. 7	9/21/39 RELAY:S#883371 T-7606174-4 NOV. 41 COIL:S#874114 SUB. 7	10/18/39 TD CAT 41-365
		AUG. 43 S#819820 25 JAN. '37
CAY 29060A TEM-5	CAY 29064 TBK-9	CSD 29070 YB, YC, YO
OVERLOAD RELAY-MANUAL RESET	STARTING CONTACTOR  4PST DOUBLE BREAK, 3 POLES NORMALLY OPEN	RELAY (SWITCHBOARD TYPE)
SPST, SINGLE BREAK, NORMALLY CLOSED;	AND 1 POLE NORMALLY CLOSED. COIL RATED:	SPST SINGLE BREAK NORMALLY OPEN; COIL RATED 110 V. 60 CYCLES: CONTACTS RATED
ADJUSTABLE FOR OPERATION FROM 0.25 TO 0.7 AMPS (S#1156527 OPERATING COIL):	60 VOLTS DC; CONTACTS RATEO 5 AMPS AT 220 VOLTS AC.COLL RESISTANCE 330 OHMS	(NON INDUCTIVE) 6 AMP 110 V. AC. 3 AMPS
CONTACTS RATED 0.5 AMP AT 230 VOLTS AC/	D.C.	220 VOLTS AC; 1 AMP AT 115 VOLTS DC.
DC: SAME AS BASIC TYPE EXCEPT FOR 8/15/40 SC-1 4-A-1815	(CAY TYPE 5FN-61) 9/21/39 RELAY:S#918194 T-7606174-5	11/3/39 CXC 1620
NOV. 41 S#1155099C SUB. 4	NOV. 41 COIL: SPECIAL SUB. 7	NOV. 41 HARK SOA
IMPROVEMENTS IN COMPONENTS. 29060-A	CAY 29065 TBK-9	
IMPROVEMENTS IN COMPONENTS. 29060-A	STARTING CONTACTOR	CSD 29071 YB. YC. YD RELAY (SHITCHBOARD TYPE)
그 하는 이 문화들이 위하면 된 다른 불어 다	4PST DOUBLE BREAK; 3 POLES NORMALLY OPEN AND 1 POLE NORMALLY CLOSED, COIL RATED:	DPDT SINGLE BREAK; COIL RATED 110 VOLT
가는 사람들이 되었다. 그 사람들이 함께 보다는 것이 되었다. 그는 사람들이 가는 사람들이 가장 보는 것이 되었다. 그 사람들이 되었다.	60 VOLTS, 60 CYCLES; CONTACTS RATED 6	60 CYCLES AND 24 y. DC; CONTACTS RATED 30 AMP 110 VOLT AC; 25 AMP 220 VOLTS AC;
	AMPS AT 220 VOLTS AC. COIL RESISTANCE 3 OHHS D.C.	4 AMP 11D VOLTS DC; 2 AMPS 220 VOLTS DC.
	(GAY TYPE 5-FN-61) • 9/21/39 RELAY:S#918194 T-7606174-6	
	NOV. 41 COIL:S#1128913 SUB. 7	11/3/39 CDBK 8 S NOV. 41 MARK 40
CAY 29061 TBK-98YB	CAY 29066 TEK-9 KEYING RELAY	CAY 29072 TBL-5
OVERLOAD RELAY - MANUAL Reset	4PST DOUBLE BREAK, 3 POLES NORMALLY OPEN	OVERLOAD RELAY-ELECTRICAL RESET
SPST, SINGLE BREAK, NORMALLY CLOSED; ADJUSTABLE FOR OPERATION FROM 0.75 TO 2	AND 1 POLE NORMALLY CLOSED. COIL RATED, 50 TO 100 VOLTS DC, 740 DHMS. 100 WORDS	SPST, SINGLE BREAK, NORMALLY CLOSED;
AMP (\$#1155101 OPERATING COIL); CONTACTS	PER MINUTE.	ADJUSTABLE FOR OPERATION FROM 0.25 TO 0.7 AMP (S#1156527 OPERATING COIL);
RATED 0.5 AMP AT 230 V. AC/DC. SAME AS NAVY TYPE CAY-29060 EXCEPT FOR OPERATING		RESET COIL (\$#935681) RATED 115 VOLTS 60 CYCLES; CONTACTS RATED 0.5 AMP AT 230
9/21/39 SC-1 T-7606174-23 NOV. 42 S# 1155100 SUB. 7	9/21/39 RELAY#867353 T-7606188-1 NOV. 41 SUB. 3	1/24/40 SC-1 T-7606174-19
		NOV. 41 S#1155095 SUB. 7
COIL. COIL RESISTANCE 10 29061	CAY 29067 TBL-5	VOLTS AC/DC: SAME AS NAVY 29072
din oc.	OVERLOAD - RELAY	TYPE CAY-29067 EXCEPT FOR RESET COIL.
	ELECTRICAL RESET SPST, SINGLE BREAK, NORMALLY CLOSED;	
	ADJUSTABLE FOR OPERATION FROM 0.25 TO 0.7 AMP. (S#1156527 OPERATING COIL);	
	RESET COIL (\$#935681) RATEO: 115 VOLTS,	
	60 CYCLES; CONTACTS RATED 0.5 AMP AT 230 10/18/39 SC-1 T-7606174-18	
	NOV. 41 S#1155093 SUB. 7	
CAY 29061A TBM-5	VOLTS AC/DC. 29067	CAY 29073 78L-5
OVERLOAD-RELAY MANUAL		OVERLOAD RELAY -
RESET SPST. SINGLE BREAK, HORMALLY CLOSED;		ELECTRICAL RESET SPST, SINGLE BREAK, NORMALLY CLOSED:
ADJUSTABLE FOR OPERATION FROM 0.75 TO 2  AMP (S#1155101 OPERATING COIL); CONTACTS		ADJUSTABLE FOR OPERATION FROM 0.75 TO 2 AMP (S#1155101 OPERATING COIL); RESET
RATED 0.5 AMP AT 230 VOLTS AC/DC; SAME	보는 이 얼마나 하셨다. 그들은 그 모든 그 살아보다	COIL (S#935681) RATED 115 VOLTS, 60
AS BASIC TYPE EXCEPT FOR IMPROVEMENTS IN 8/15/40 SC-I 4-A-1815		CYCLES: CONTACTS RATED 0.5 AMP AT 230 1/24/40 SC-1 T-7606174-20
NOV. 41 S#1155100C SUB. 4		NOV. 41 S#1155096 SUB. 7
COMPONENTS. 29061-A	CAY 29068 TBL-6	VOLTS AC/DC: SAME AS NAVY 29073
	OVERLOAD RELAY-ELECTRICAL	TYPE CAY-29068 EXCEPT FOR RESET COLL.
	RESET SPST SINGLE BREAK, NORMALLY CLOSED;	
	ADJUSTABLE FOR OPERATION FROM 0.75 TG 2 AMP (S#1155101 OPERATING COTL): RESET	浩瀚的 人名英格兰人姓氏
	COIL (\$4955681) RATED 115 VOLTS, 60 CYCLES: CONTACTS RATED 0.5 AMP AT 250	
	10/18/39 SC-1 T-7606174-2	
	NOV. 41 S#1155094 SU8. 7	수 있는 하는 사람들이 있다. 그는 사람들이 다른 사람들이 다른 사람들이 되었다. 그 사람들이 되었다. 그 사람들이 되었다면 하는 것이다면 하는 것이다면 하는 것이다면 하는 것이다면 되었다면 하는 사람들이 되었다면 하는데 되었다면 하는데 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면
CAY 29062 TBK-9	VOLTS AC/DC; SAME AS NAVY 29068	CAY 29074 TBL-5
FIELD CONTACTOR	TYPE CAY-29067 EXCEPT FOR OPERATING	OVERLOAD RELAY-ELECTRICAL
DPST DOUBLE BREAK NORMALLY OPEN; COIL RATED 115 V. DC CONTACTS RATED: 5 AMP AT		RESET SPST, SINGLE BREAK, NORMALLY CLOSED;
220 VOLTS AC. COIL RESISTANCE 630 OHMS B.C. (CAY TYPE 5-FN-61)		ADJUSTABLE FOR OPERATION FROM 0.25 TO 0.7 AMP (\$\frac{7}{1156527}); RESET COIL (\$\frac{7}{876}\$
		398) RATED 230 VOLTS DC; CONTACTS RATED
9/21/39 RELAY:S#883371 T-7606174-3		0.5 AMP AT 230 VOLTS AC/DC; SAME AS NAVY 1/24/40 SC-1 T-7606174-21
MOV. 41 COIL:S#875799 SUB. 7	ASSIGNED ISSUED	NOV. 41 S#1155097 SUB. 7
DATE MANISACTIVAN'S MACHINETURES	DATE MANUFACTURES MANUFACTURES	DATE MONIFORM STANDARD STAND

MAYY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
TYPE CAY-29067 EXCEPT FOR 29074 RESET COIL.	CSZ 29081 QCJ-2&QCL OVERLOAD RELAY SPST SINGLE BREAK, NORMALLY CLOSED,	CG-29089 TBC-3
	AUTOMATIC RESET BY GRAVITY OPERATED PLUNGER IN OIL DASHPOT. OPERATION COIL CALIBRATEO 0.46 TO 0.92 AMP OC. CONTACTS RATED AT I AMP 115 V. DC OR 5 AMP 115 V.	INCLUDES MAIN RECTIFIER PLATE STATTING CONTACTORS AND RESISTORS AS HELL AS POWER AMPLIFIER VOLTAGE REGULATOR & STARTING CONTACTORS; EQUIPMENT SUPPLY: 440 VOLTS, 3 PHASE, 25 CYCLES.
	AC. 7/12/40 EQ745 CRV:W-303083- NOV. 41 161	11/28/40 ML-7661187G2 P7763144 NOV. 41 REV. 0
CAY 29075 TBL-5 OVERLOAD RELAY-ELECTRICAL RESET. SPST, SINGLE BREAK, NORMALLY CLOSED; ADJUSTABLE FOR OPERATION FROM 0.75 TO 2 AMP (S*II55101 OPERATING COIL) RESET COIL (S-8783398) RATED 230 VOLTS DC CONTACTS RATED 0.5 AMP AT 230 VOLTS AC/DC: SAYE AS NAVY TYPE CAY-29068. 1/24/40 SC-1 NOV. 41 S#II55098 , SUB. 7	CSZ 29082 QCJ-24QCL  OVERLOAD RELAY SPST SINGLE BREAK, NORMALLY CLOSED; AUTOMATIC RESET BY GRAVITY OPERATED PLUNGER IN OIL DASHPOT. OPERATION COIL CALIBRATEO 5.4 TO 10.8 AMP D.C. CONTACTS RATED I AMP 115 V. DC OR 5 AMP 115 V. AC. 7/12/40 9055 CRV:H-303245-39 NOV. 41	CW-29090 * SEE BELOW  KEYING RELAY POLORISED SINGLE POLE DOUBLE THROW. RELAY WITH REED TYPE ARMATURES. COIL RATING: OPERATING CURRENT 0.015 AMP; PARALLEL WIHOINGS 85 OHMS EACH. CONTACTS RATED 110 MA. * TAB-5, TBK-11 TBM-6 & TBU-1. 12/19/40 215A S.I. 1008; CAY; NOV. 41 H-7407820 SUB 0
EXCEPT FOR RESET COIL. 29075	csz 29083 QcJ-2&QQL	
	RELAY  4PST SINCLE BREAK NORMALLY OPEN; COIL RATED 110 V. 50 TO 30 CYCLES. CONTACTS RATED 9 AMP 500 V. AC. HINIMUM CURRENT FOR NORMAL OPERATION IS 1 AMP.	CKU 29091 T8M-4,5 & 6 VOICE RELAY SPOT: MAXIMUM COIL RESISTANCE, 1800 OHMS DC: DROP-OUT TIME 0.006 SECOND; COIL CURRENT 6 MA (PICK UP); CONTACT GAP 0.025".
	7/12/40 L-8 CRV:303083-159 NOV. 41	10/10/40 220-C-37 CAY:T-7606218-4 NOV. 41 SUB. 2
CBY 29076 CF-9 ANTENNA RELAY UNIT SAME AS NAVY ITYPE CBY-23049 EXCEPT FOR OPERATION FROM 28 VOLTS DC INSTEAD OF 14 VOLTS DC.	CRY 29084 QCJ-2, QCL SPECIAL MULTI-CONTACT RELAY. CONTACTS RATING: OUTPUT CONTACTS 3 AMP. 200 VOLTS, OTHER CONTACTS 1 AMP 200 VOLTS. MINIMUM CURRENT FOR NORMAL OPERATION IS 100 MILLIAMPERES. COIL VOLTAGE RATING - 60 VOLTS.	CG-29092 TBC-3 CONTACTOR UNIT INCLUDES MAIN RECTIFIER PLATE STARTING CONTACTORS AND RESISTORS AS WELL AS POWER AMPLIFIER VOLTAGE REGULATOR AND STARTING CONTACTORS. EQUIPMENT SUPPLY, 220 VOLTS, 3 PHASE, 60 CYCLES. SAME AS
2/28/40 NOV. 41	7/12/40 (CRY) B-2932 W-303076-31 NOV. 41 W-303085-183	NAVY TYPE -29033 EXCEPT FOR RESISTANCE 10/14/40 ML-7661187 P-7762976 NOV. 41 REV. 0
CPB 29077 TAJ-8 KEYING RELAY ONE SPOT SINGLE BREAK CIRCUIT AND ONE SPST SINGLE BREAK NORMALLY OPEN CIRCUIT. COIL RATEO 25 VOLTS, 0.086 AMPS DC. DC RESISTANCE 240 OHMS.	CHE 29085 * SEE BELOW SLOW RELEASE RELAY SPST NORMALLY OPEN, RELEASE TIME: 1.5 TO 2 SECONOS: COIL RATED 50 MA AT 110 VOLTS ± 151. 60 CY.; CONTACTS RATED 1 AMP AT 110 VOLTS AC INDUCTIVE LOAD.	VALUES. 29092
3/2/40 L71359 L'71359A NOV. 41	* 23216 TA9-5, TBK-11 TBM-6 & TBU-1. 11/25/40 1040-79 BK-197A NOV. 41	
CSI 29078 CBH-78102  RELAY SPOT SINCLE BREAK. COIL RATED 50 OHMS; CONTACTS RATED: 150 MATTS (NON INDUCT- IVE) AT 110 VOLTS AC.	CWE 29086 * SEE BELOM SLOW RELEASE RELAY SPST NORMALLY OPEN; RELEASE TIME 1.5 TO 2 SECONDS; COIL RATEO: 50 MA AT 110 VOLTS ± 15% 25 CYCLES; COVIACTS RATED 1 AMP AT 110 VOLTS AC INDUCTIVE LOAD.	CU-29093 ZB SWITCHING RELAY INCLUDES A RELAY TO SWITCH THE RU-SERIES RECEIVER FROM THE ANTENNA TO THE HONING ADAPTER AND VICE VERSA.
4/8/40 3A CBM:746-73 NOV- 41 REV. 0	* 23217 (TBA-5, TBK-11 & TBM-6). 10/15/40 1040-79 BK-997A NOV. 41	10/17/40 ESR:677839 NOV. 41 ISSUE 4
CBM 29079 WAB TRANSFER-RELAY UNIT INCLUSES KEYING RELAY FOR RANGING AND HISC. RELAYS TO SHIFT CONTROL FROM SOUNDING TO RANGING OR VICE VERSA.	CHE 29087 * SEE BELOW SLOW RELEASE RELAY SPST NORMALLY CLOSED; RELEASE TIME 1.5 TO 2 SECONDS; COIL RATED 71 MA AT 110 VOLTS ± 154 60 CYCLES; CONTACTS RATED 1 AMP AT 110 VOLTS AC INDUCTIVE LOAD.	CBM 29094 NJ-1 FUSE-RELAY BOX CONTAINS FUSES (INPUT & OUTPUT CIRCUITS OF MOTOR-GENERATOR UNIT) TOGETHER WITH STARTING RELAY. FOR OPERATION FROM 24 VOLTS DC.
4/10/40 804A SK-4468C NOV. 41 REV. 0	* 23216 (TAB-5, TBK-11 TBM-6 & TBU-1) 10/15/40 1040-76 BK-998A NOV. 41	10/19/40 777A CBM:DWG6790B
CSZ 29080 QCJ-2 & QCL TIME DELAY RELAY SPST SINGLE BREAK, NORMALLY OPEN; VARI- ABLE TIME ADJUSTMENT OF 1 TO 60 SECONDS MITM QUICK RELEASE. COIL RATED 110 V., 50 TO 50 CYCLES CONTACTS RATED 1 A. 115 V. DC. OR 5 AND 115 V. AC. MINIMUM RESERVED. SERVERAL DOPERTION 15 0.25 A.	CME 29088 * SEE BELOW  SLOW RELEASE RELAY SPST NORWALLY CLOSED; RELEASE TIME 1.5 TO 2 SECONDS; COIL RATED 71 MA AT 110 VOLTS ± 15% 25 CYCLES; CONTACTS RATED 1 ANP AT 110 VOLTS AC 1NDUCTIVE LOAD.	CAY 29095 TAB-5 OVERLOAD RELAY-MANUAL RESET: SPST, SINGLE BREAK, NORMALLY CLOSEO, ADJUSTABLE FOR OPERATION FROM .05 TO .2 AMP DC CONTACTS RATED 5 AMPS CONTINUOUS AND INTERRUPTING, RATING 5 AMPS 115 VOLTS DC, 1.5 AMPS, 125 VOLTS
CURRENT FOR NORMAL OPERATION IS 0.25 A. 7/12/40 EQ-754 CRV:w-303083- NOV. 41 160 ASSIGN		DC. COIL 265 OHMS DC. MECHANICALLY 10/23/40 MN:S#1158584 CAY:T-7607087-1 JUNE 42 COIL:S#115882 SU& 4
DATE MONIGHETHORY'S CHAMITACTIVISE'S	DATE MORNISHTH SHE'S SECURIC TUMBER	DATE MANUFACTURES MANUFACTURES

DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	MANY TYPE FIRST ASSIGNED FOR OF SPECIFICATION
2909 <b>5</b>	CBM 29101 NJ-2	0.085 AMPS. 100 OHMS. 29105
INTERCHANGEABLE WITH TYPE -29060	FUSE RELAY BOX CONTAINS FUSES FOR INPUT & OUTPUT CIR-	CONTACTS RATED 110 VOLTS, 10 AMPS.
THE ROUNDER WITH THE PERSON OF	CUITS OF MOTOR-GENERATOR UNIT TOGETHER	
	WITH STARTING RELAY. IDENTICAL WITH TYPE CBM-29094 EXCEPT FOR FUSE VALUES &	
	STARTING RELAY COIL WHICH ARE FOR OFER-	
	ATION FROM 115 V. DC. 10/25/40 777C CBM DWG 6790 B	
	NOV. 41 1 1 1 2 2 2 2 1 ALT. 0 1 2 2 2 2 2	
CAY 29096 TAB-5	CAY 29102 #SEE BELOW	CAY 29106 # SEE BELOW
OVERLOAD RELAY-MANUAL RESET. SPST, SINGLE BREAK, NORMALLY	OVERLOAD RELAY: SPST,	TIMING RELAY
CLOSED: ADJUSTABLE FOR OPERATION FROM 1	SINGLE BREAK, NORMALLY CLOSED, ADJUST- ABLE FOR OPERATION FROM .1 TO .4 AMPS-	FOR 115 VOLTS 25 CYCLES OPERATION, SYNCHROHOUS MOTOR DRIVEN, ADJUSTABLE
TO 4 AMP DC. CONTACTS RATED 0.5 AMP CONTINUOUS & INTERRUPTING.RATED 5 AMP	COIL RESISTANCE 64 OHMS. CONTACT RATING .5 AMP, 230 VOLTS AC/DC. WEMCO S#1158983	FROM 2 SECONOS TO 50 MINUTES. HAS TWO SETS OF CONTACTS: 1 SET SPOT, AND 1 SET
115 V. AC, & 1.5 AMPS 125 V. DC. COIL	COIL S"1158883. SAME AS TYPE-29095 EX-	SPST. CONTACTS ADJUSTABLE TO OPERATE
0.6 Ohms DC. SAME AS TYPE 29095 EXCEPT 10/23/40 SN S#1158585 T-7607087-2	CEPT FOR COIL AND CALIBRATION. 12/19/40 MN T-2607087-4	# TAB-5, TBK-11, TBM-6 & TBU-1. 12/19/40 TK 56-0-815
DEC. 44 OULE-SALIS6866 SUB. 8	JUNE 42 SUB 3	NOV. 41 S#1008930 SUB. 5
CAY 29096	CAY29102	CINULTANEOUSLY CONTACT 0040C
FOR COIL & CALIBRATION.	일어 그 그 사람들이 되는 그 나는 그 없다고 있다.	SIMULTANEOUSLY. CONTACT 29106 RATINGS 20 AMP 115 VOLTS, AC. 15 AMP 23
	그리고 그 이 사람이 있는 그 그 그 그 없는 생활을	VOLTS, AC. 3 AMP AT 125 VOLTS DC.
	생기는 것 같아요. 그는 그리고 있는 말	
	TTBK-11 AND TBM-5,6	
	00107	
CAY 29097 TAB-5 POWER CONTACTER	CAY 29103 * SEE BELOW OVERLOAD RELAY	CAY 29107 * SEE BELOW
3PST DOUBLE BREAK. NORMALLY OPEN; COIL	SPST. SINGLE BREAK; NORMALLY CLOSED; AD-	TIMING RELAY FOR 115 VOLTS 60 CYCLES OPERATION.
RATED 115 V. 60 CY., - AMPS. CONTACTS RATED 5 AMPS AT 440 V. AC. MINIMUM OPER-	JUSTABLE FOR OPERATION FROM 0.5 TO 2.0 AMP: COIL RESISTANCE 2.5 OHMS. CONTACT	SYNCHRONOUS MOTOR DRIVEN, ADJUSTABLE FROM 2 SECONDS TO 50 MINUTES. HAS TWO
ATING CURRENTS: CLOSED GAP, 0.46 AMP; OPEN GAP 2.75 AMP.	RATING 0.5 AMP, 230 VOLTS AC/DC. WEHCO \$#1158982, COIL \$#1158885.	SETS OF CONTACTS: ONE SET SPDT, AND 1
(CAY TYPE 5-FN-61)	* TBK-11 & TBM-5, 6.	SET SPST. CONTACTS ADJUSTABLE TO OPERAT
10/23/40 S#918193 RELAY T-7606174-25 NOV. 41 S#874114 COIL SUB. 10	12/19/40 MN T-7607087-3 JUNE 42 SUB. 8	12/19/40 TK 56-D-815 NOV. 41 S#936926 SUB. 5
CAY 29098 TAB-5 POWER CONTACTER	SAME AS -29096 EXCEPT FOR 29103 COIL AND CALIBRATION.	SIMULTAMEOUSLY, COMTACT 29107 RATING 20 AMP 115 VOLTS AC. 15 AMP
SPST DOUBLE BREAK, NORMALLY OPEN; COIL	TOTAL MAD UNCLUMNITURE	230 V. AC. 3 AMP 125 V. DC.
RATED 115 VOLTS; 25 CYCLES. CONTACTS RATED 5 AMP AT 440 V. AC. SAME AS 29097		
EXCEPT COIL RATING. MINIMUM CURRENTS:		
*S#918198 RELAY; S#1014647 COIL.		
10/23/40 *S=E ABOVE & T-7606174-26 NOV. 41 CAY:5-FN-61 SUB. 10FORSIZE		
	그 회사 기발 그 그 경기 전 보기 밝혔다.	
AMP. FOR NORMAL OPERATION. 29098	CPB 29104 * SEE BELOW	CAY 29108 TAB-5
	RELAY-LATCHING TYPE WITH ELECTRIC RELEASE.	KEYING RELAT: 3 MAKES & ONE BREAK, THO BREAKS PER
	THREE DOUBLE BREAK, SINGLE POLE, SINGLE THROW CONTACTS. TRIPPING COILS RATED 110	CIRCUIT, COIL RATED 0.10 AMP AT 75 Y DC
그는 사람이 얼마나 그렇게 작가 싫어 있다.	VOLTS, 25 CYCLES, 0.030 AMPS, 680 OHMS.	1800 OHMS, BREAKS TO WATTS AT 0.056 AMP
	CLOSING COILS RATED 110 VOLTS, 25 CYCLES * TAB-5, TBK-11, TBM-6 & TBU-1.	
그 그 이번째 보고 이 시간 되는 것들다.	12/19/40 R-901 R-901 & R-1027 NOV. 41 R-888A	12/19/40 CAY:T-7604741-
그 그는 그의 이 전에 의 시작 가 하겠습니		AUS - 42 GIO SUS 56
CAY 29099 TAB-5	0.1 AMP. 530 OHMS. CONTACTS 29104	CSD 29109 # SEE BELOW
POWER CONTACTER 2 SPST DOUGLE BREAK NORMALLY OPEN AND	RATED 120 VOLTS, 10 AMPS.	CONTACT RATING: 5 AMP AT 110 VOLTS 25
UNE SPOT DOUBLE BREAK, COILS RATED 115		CYCLES, SINGLE BREAK. TWO POLES-DOUBLE
VOLTS. 60 CYCLES, 4.6 AMPS, CONTACTS TO AT A AT A 440 V. AC. MINIMUM		THROW CONTACTS, SINGLE BREAK, COIL RATING-110 VOLTS AC, 0.070 AMP.
OPERATING CURRENT CLOSED GAP 0.46 A OPEN GAP 2.75 A. (CAY TYPE 6-FN-61)	그들이 모든 이렇게 된 이 보이는 그리고 그리다.	
10/22/40 S#918194 RELAY 1-7606174-7	병상 등 이 사람들은 그리면 하는 것 같아.	* TAB-5, TBK-11, TBM-6 & TBU-1, 12/19/40 CXC-1946 P-3129 & P-115
NOV. 41 S#874114 COIL SUB. 10		NOV. 41 COIL 5035-38 P-3128
CAY 29100 TAB-5	CPB 29105 * SEE BELOW	CSD 29110 * SEE BELOW
POWER CONTACTOR: 2 SPST DOUBLE BREAK NORMALLY OPEN AND ONE SPOT	RELAY-LATCHING TYPE WITH ELECTRIC RELEASE.	RELAY CONTACT RATING: 5 AMP AT 110 VOLTS 60
DOUBLE BREAK. COIL RATED 115 V, 25 CY.	THREE DOUBLE BREAK, SINGLE POLE, SINGLE THROW CONTACTS. TRIPPING COILS RATED 110	CYCLES, TWO POLE COUBLE THROW CONTACTS.
AC CONTACTS RATEO 5 AMPS AT 440 V AC. BAME AS 29099 EXCEPT FOR COIL RATING.	VOLTS, 60 CYCLES, 0.055 AMPS, 240 OHMS.	SINGLE BREAK. COIL RATING 110 VOLTS AC 5 AMPS.
MINIMUN OPERATING CURRENT: CLOSED GAP	CLOSING COILS RATEO 110 VOLTS 60 CYCLES, * TAB-5, TBK-11, TBM-6 & TBU-1.	
.23 A. OPEN GAP 1.35 A. CAY TYPE 5-FN-61 10/23/40 S#918194 RELAY T-7606174-27	12/19/40 R-900 R-900A & R1028	* TAR-5, TBK-11, TBM-6 & TBU-1, 12/19/40 CXC-1946 P-3129 & P-115
NOV. 41 \$#1014647 COIL SUB 10 ASSIGN		
DATE MANUSACTURES SEATHER TURES	DATE MANUFACTURER'S MANUFACTURER'S	DATE MAMUFACTURER'S MANUFACTURER'S

DESIGNATION FIRST ASSIGNED FO	OR SPECIFICATION	MAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	DESIGN	TYPE FIRST ASSIGNED FOR	ON SPECIFICATION
CAY 29111 YB DVERLOAD RELAY: SPST SI BREAK NORMALLY CLOSED. OPERATION FROM .25 TO I RATED 5 AMPS CONTINUOUS	ADJUSTABLE FOR AMP DC. CONTACTS	RATED 70: V	E BREAK NORMAL OLTS 50 MA DC;	1400 OHMS DC;	RELA 8PST NORM	. 4 POLES NORMALLY ALLY CLOSED.COIL RA	TED 115 VOLTS A
TERRUPTING CAPACITIES OF DC RESISTANCE OF COIL I CALLY INTERCHANGEABLE N	R 115 VOLTS AC. 3 OHMS. MECHANI-	RESISTOR A 50 AMPS AT	IN SERIES HIT T 300 VOLTS DC 115 VOLTS NON	; CONTACTS RATED	CONT	MA-AC, 65 OHMS DC; ACTS RATED 35 AMP A CTIVE AC LOAD.	
3/8/41 MH NOV. 41 S#1202965	1-0-2145	LOAD. 5/16/41 7 NGV. 41	6-STYC	R - 6 8 1	5/16 NOV.	/41 HZBU	R-631
CAY- 29111-A YR OVERLOAD RELAY SPST. SINGLE BREAK, NOR JUSTABLE FOR OPERATION AMP OC. CONTACTS RATED AND 1.5 AMPS INTERPUPTI DC RES OF COIL IS 13 OH ORESET COIL #158889 578745 HN S/120365-A	FROM 0.25 TO 1 5 AMPS CONTINUOUS NG ON 115/1/60.	SPST, DOUG RATEO 115 DC; CONTAC NON INDUCT	K OPEN TYPE LE BREAK, NORM VOLTS AT 145 M IS RATED 30 AM IVE AC LOAD.	PS AT 115 VOLTS	FUSE CONT CIRC ITOR RATE 20 A OPER	P9124 NJ-4  RELAY BOX AINS FUSES FOR INPU UITS, STARTING RELA S IN THE DC INPUT C D AT 10 AMP 250 VOL MP 250 VOLTS. RELAY ATION AT 115 V. DC. /41 7778	Y, FILTER CAPA IRCUIT. THO FU IS, TWO RATED COIL RATED FO
JUN- 45 GSEE ABOVE		5/16/41 Y NOV, 41	-33-BC-A	R-6003 10-19-40	NOV.		Cam: DHG SK-4
-29111 HAS RESET COIL W FROM 115/1/60.	CAY-29111-A HICH OPERATES	SPST, SING RATED 115	CK OPEN TYPE LE BREAK, NORM V AT 145 MA AC ATED 50 AMP AT		ANTE INCL IRAN GROU HAS	29125 ATA NNA RELAY UNIT UDES RELAY 10 SWITC SWITTER 10 RECEIVER WOING THE UNITS NOT "LOCAL-REMOTE" SWIT HERMOCOUPLE AMMETER	AND VICE VERSALIN ACTUAL USE. CH AND O TO 10
		5/16/41 Y DEC. 41	-33-8C-A	R 600 B,	5/20 MAR.		5017-3-8 7977-4-A
CHN 29112 SD RELAY SINGLE POLE CIRCUIT-BREA MMPS, 110 VOLTS 60 CYCLI		RESISTANCE Enameled w	COIL 12 V DC A	350 TURNS #31 RATED 7 AMP AT	ANTE MOUN	9126 ATA NNA RELAY UNIT TING. PROVIDES ANTI ANTENNA RELAY UNIT	
6/2/41 0111 NOV. 41		10/16/41 T		R 793 SUB 1	5/20 HAR.		7056-1-B 7977-4-A
CRY 29113 TAB-5		CAU 29119	) YB-1	•	CAY 2	19127 * SEE BEL	OV
RELAY SPST SINGLE BREAK, NORM RATED: 0.095 AMP AT 115 PH:SE, 60 CYCLES; CONTA MATTS BUT NOT MORE THAN	VOLTS SINGLE CT RATED: 125 2 AMP,	RELAY SPD-T, SINC	LE BREAK; COIL TO 58 MA AC; I		RESI	RATED IIS VOLTS DO STANCE. 3 MAKE COUT S, 5 AMP AC.	
COIL RESISTANCE: 70 OHM: PA; COIL W5-1000 CONTAI \$\frac{1}{4}\$ \$\text{Q}\$ SEE A30YE \$\text{NOV.} 41		5/16/41 F NOV. 41	QA;RAS-4		5/28	J, TBU-1, 2, 3. /41 FRAME S#918193 41 COIL S#875799	1-7606174-31 SUB. 13
CRY 29114 TAB-5 RELAT SPST SINGLE BREAK, NORM RATED: 0.02 AMPS. AT 11 PHASE 25 CYCLES; CONTAC	5 VOLTS, SINGLE TS RATED: 125	43 MA DC;	E BREAK, COIL 280 OHMS DC, C	RATED 12 VOLTS ONTACTS RATED 2 IDUCTIVE AC LOAD	RELAT COIL CLOSS SISTA	P128 * SEE BEL RATED 60 VOLTS, 25 ED GAP, 5.0 AMP OPE INCE 8.0 OHMS. 3 MA ACTS, RATED AT 5 AM	CYCLES, 0.9 A N CAP. COIL RE KE AND TWO BRE
WATTS BUT NOT MORE THAN CRY-29113 EXCEPT COLL I *A. COIL W5-1013 CONTAC 5/1/41 *SEE ABOVE NOV. 41	S DESIGNED FOR 25	5/16/41 1 NOV. 41	2	TYPE 12	# TBI	J, TBU-1. 2. 3. V41 FRAME S#122847 41 COIL S#1186519	1 T-7606174-29
CYCLE OPERATION. COIL RESISTANCE: 920 OHMS DO	20114	CPB 29121 RELAY	YB-1		RELA		
		& 2 POLES 115 VOLTS SET OF CO	LE BREAK, 2 POL Normally Close 145 ma ac; 65 Ntacts rated 20 Inductive ac L	OHMS DC, EACH	RESIS Breat AC.	RATED 60 VOLTS, 60 STANCE 3.0 OHMS DC. C CONTACTS RATED 5	3 MAKE AND TO
		5/16/41 7 NOV. 41		R-349	6/28	J. TBU-1, 2, 3. /4: FRAME S#122847 4: COIL S#1128913	
CLR 29115 YB-1 RELAY SPST, DOUBLE BREAK NORM RATED 12 VOLTS, 1.7 AMP CONTACTS AATEO 60 AMPS NON INDUCTIVE AC LOAD.	. DC. 7 OHMS DC	RATED 115 65 OHMS D	_	TED 35 ANP AT	RELAY COIL 330 0	9130 * SEE BELO RATED 60 VOLTS DC, HMS DC, 3 MAKE AND CTS RATED 5 AMPS, 2	COIL RESISTANO
6/16/41 5030C	_	5/16/41		R-602	5/28/	. TBU-1. 2. 3. 41 FRAME S#1228471 41 COIL S#897943	

MANY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	NAVY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	MAYY TYPE FIRST ASSIGNED FOR OR SPECIFICATION
CSZ 29131 SD  RELAY OPEN TYPE, 2 POLE CONTACTOR, RATED 15 AMP, 115 VOLTS, 60 CYCLES, COIL RESISTANCE 43 OHMS AT 60 CYCLES.	CAY 29137 TBL-5  RELAY (OVERLOAD): SPST,  SINGLE BREAK, NORMALLY CLOSED. OPERAT- ING COIL RATED .1 TO .4 AMPS, 64 CMMS  DC RESISTANCE. RESET COIL RATED 115  VOLTS DC. CONTACTS RATED .5 AMP 230  YOLTS AC/OC. OPERATING COIL S#1158883, RESET COIL S#1158887	CLR 29145 DP-18 RELAY DPST, SINGLE BREAK. COIL 25 CYCLES. 5.4 V AC NIN., 7.5 V AC MAX., 670 TURNS #ZEE WIRE, 7 OHYS DC RESISTANCE. COV- TACTS RATED 2 AMP AT 110 V AC OR DC NON- INDUCTIVE LOAD.
6/2/41 CLASS 8502 CRY: M-421642 HAR. 42 TYPE R-0-20 SUB 0	7/23/41 MN T-7607037-5 JUNE 42 S#1161103 SUB 8	9/3/41 L-131, CRY:K-854724-3 DEC. 41 COIL 367-A REV 5
CSZ 29132 SD OVERLOAD RELAY; SINGLE BREAK, NORMALLY CLOSED, HANUAL RESET, INSTANTANEOUS TRIP. CONTACTS RATES 5 AMP AT 115 V. 60 CYCLES. COIL RESISTANCE 137 OHMS DC ADJUSTABLE FOR OPERATION FROM 0.19 TO 0.45 AMP DC. DC CONTACT RATINGS ARE TO BREAK 0.4 AMP AT 6/2/41 * SEE OH OTH- CRY!M-420643-5 MARCH 42 ER CARD SUB 6	CAY 29138 TBL-5  RELAY (OVERLOAD): SPST, SINGLE BREAK, NORMALLY CLOSED, OFERAT- ING COIL RATED .1 TO .4 AMP, 64 OHMS DC RESISTANCE. RESET COIL RATED 230 VOLTS DC. CONTACTS RATED .5 AMP, 230 VOLTS AC/OC. OPERATING COIL S#1158883, RESET COIL S#1158888. 7/23/41 MN T-7607087-6 JUNE 42 S#1161104 SUB 8	CLR 29146 DP-14  RELAY TWO SPST, SINCLE BREAK, ONE TO MAKE WHILE THE OTHER (8+) BREAKS. COIL FOR DC OPERATION, 5.4 V DC MIN., 7.5 V DC MAX., 1300 TURNS #29 E WIRS, 24 OMMS DC RESISTANCE. CONTACTS RATED 2 AMP AT 110 V AC OR DC NON-INDUCTIVE LOAD. 9/3/4? L-131, COIL 354 CRY:K-854724-4 DEC. 41 REY 5
230 V OR 1 AMP AT 115 V. CSZ 29132  * CLASS 9055. COIL 739-S26-W48	CAY 29139 TBL-5  RELAY (OVERLOAD) SPST, SINGLE BREAK, NORMALLY CLOSED. OPERATING COIL RATED O.I TO 0.4 AMP, 64 OHMS DC RESISTANCE. RESET COIL RATED 115 V 60 CYCLES. CONTACTS RATED 0.5 AMP, 250 V AC OR DC. OPERATING COIL S*1158889. 7/25/41 MN, S#1161105 T-7697087-7 JUNE 42 SUB 8	CSZ 29147 YE-1 RELAY (OVERLOAD): SPST SINGLE BREAK NORMALLY CLOSED TIME DELAY MANUEL RESET. CONTACTS RATED 0.4 AMP AT 230 V DC 1 AMP AT 115 V DC. 5 AMP AT 115 V AC. 01L DASHPOT. MAX. SETTING (1.25 AMP) PULL III 1.24 AMP, DROP OUT 0.08 AMP. MIN. SETTING (0.62 AMP) PULL 11/19/41 EQ-753 CRV:M-420648-1 APR. 42 SUB 6
CRY 29133 23211 (TBT)  CONTROL RELAY TWO SPST NORMALLY OPEN & ONE SPOT; SINGLE BREAK PER CIRCUIT.COIL RATED 8.5 TO 15 VOLTS DC (NORMALLY 12), 8400 TURNS #3IEC, 200 OHMS DC.  7/3/41 A-3144 CRY:K-865593-1 NOV. 41 SUB. 0	CAY 29140 TBL-5  RELAY (OVERLOAD)  SPST SINGLE BREAK, NORMALLY CLOSED. OPERATING COIL RATED 0.5 TO 2 AMP, 2.5  OHMS DC RESISTANCE. RESET COIL HATED 115 V. DC. CONTACTS RATED 0.5 AMP 230 V. AC/DC. OPERATING COIL S#1158885, KESET  COIL S#1158887. 7/23/41 MM T-7607087-8  JUNE 42 S#1161106 SUB. 8	IN 0.70 AMP DROP OUT C.08 CSZ29147 AMP. ADJUSTABLE BY SCREN- FING PISTON STEM. COIL RESISTANCE 5.38 OHMS. 930 TURNS #21 ENAMEL WIRE. SQUARE D COIL NO. 739-526-W21.
CHN 29134 SC. SD RELAY SINGLE POLE CIRCUIT GREAKER. INSTANTAN- EOUS TRIP. 12.5 ANP. 110 VOLTS, 60 CYCLES.  7/5/41 P-0111 CRY:M-421644-2 AUG. 42 SUB 1	CAY 29141 TBL-5 RELAY (OVERLOAD) SPST SINGLE BREAK, NORMALLY CLOSED. OPERATING COIL RATED 0.5 TO 2 ANP, 2.5 OHMS DC RESISTANCE. RESET COIL RATED 230 V. DC. CONTACTS RATED 0.5 AMP 230 V. AC/DC. OPERATING COIL S#1158885, RESET COIL S#1158888. 7/23/41 MN T-7607087-9 JUNE 42 S#1161107 SUB. 8	CSZ 29148 YE-1 RELAY (OVERLOAD): SPST SINGLE BREAK NORMALLY CLOSED TIME DELAY MANUEL RESET. CONTACTS RATEO 0.4 AMP AT 230 V DC, 1 AMP AT 115 V DC, 5 AMP 115 V AC, OIL DASHPOT, COIL RATINGS 37.5 DHMS DC RESISTANCE, MAX. SETTING (.44 AMP) PULL IN .45 AMP, DROP OUT, 11/19/41 EQ753 CRY:M-420648-2 APR. 42 SUB 6
CSZ 29135 TBL-4  RELAY DPST, SINGLE BREAK, NORMALLY OPEN. COIL RAIED 115 VOLTS DC + 451-234; 4250 OHMS DC RESISTANCE. CLOSE AT 19.3 MA AT 82 V DC. HAXIMUM COIL RATIMO 39.4 MA AT 167 V, DC. CONTACTS RATED 6 AMP 110 V.DC  © COIL:1305-S1-W38 7/23/41 CLASS:7311 K-860238-4 NOV. 41 © SEE ABOVE REV. 5	CAY 29142 Tal-5  RELAY (OVERLOAD)  SPST, SINGLE BREAK, NORMALLY CLOSED.  OPERATING COIL RATED 0.5 TO 2 AMP, 2.5  OHMS DC RESISTANCE. RESET COIL RATED  115 V, 60 CYCLES. CONTACTS RATEO 0.5  AMP, 230 V AC OR DC. OPERATING COIL  S#1158885. RESET COIL \$#1158889.  7/23/41 HN, S#1161108 T-7607087-10  JUNE 42  SUB 8	0.055 AMP MIN. SETTING CSZ29148 (.22) AMP) PULL IN .25 AMP DROP OUT .055 AMP SOUARE D COIL #73 -526-W25, 2650 TURNS OF NO. 25 EMAMEL WIRE. ADJUSTABLE BY SCREWING PISTON STEM.
3 ANP, 220 VOLT DC, 15 AMP, 29135	CBM 29143 NJ-3 FUSE RELAY BOX CONTAINS FUSES FOR INPUT AND OUTPUT CIR- CUITS, STARTING RELAY, FILTER CAPACITORS IN THE DC INPUT CIRCUIT. TWO FUSES RATED AT 10 AMP 250 VOLTS, TWO RATED AT 50 AMP 24 VOLTS. RELAY COIL RATED FOR OPERATION AT 24 VOLTS DC. 8/5/41 777F CBM:SK-4897 NOV. 41 ALT. 1	CRV 29149 YE-I RELAY (KEYING) DPST DOUBLE BREAK PER CIRCUIT, NORMALLY OPEN. TERMINALS ARE PROVIDED FOR ONE POLE ONLY, COIL RATED 87 MA AT 48 Y DC. CONTACTS RATED 2 AMP AT 500 V AC, I AMP AT 400 V DC. RELAY CAPABLE OF KEYING 100 WORDS PER MINUTE, COIL HAS 7220 IURNS 11/19/41 CRY:P-720395- APR. 42 501 SUB 4
CSZ 29136 TBL-4  RELAY  4PST SINGLE BREAK, NORMALLY OPEN. COIL  RATEO 90 V. DC. + 455-235, 1650 DHMS DC  RESISTANCE. HAX. RATING 66 MA AT 104 V.  DC. MIN. 35 HA AT 52 V. DC. CONTACTS  RATEO 1 AMP 110 V OC. 15 AMP 220 V	CLR 29144 DP-17 RELAY DPST, SINGLE BREAK. COIL 45 TO 55 CYCLES, 5.4 V AC MIN., 7.5 V AC MAX., 345 TURNS #23E HIRE, 1.75 OHMS DC RESISTANCE. CONTACTS RATED 2 AM. AT 110 V AC OR DC NON-INDUCTIVE LOAD.	#36 ENAMEL WIRE. RESIST- CRV29149 ANCE 55 OHMS. LEACH COIL #256.
RATEO 3 AMP 110 V. DC, 1.5 AMP 220 V. DC, 6 AMP 110 V. 60 CYCLES. 7/22/41 CLASS:7911-K M-420465-3 HOV. 41 COIL:1305-S1-N36REV. 6 ASSIGNED	9/3/41 L-131 CRV:K-854724-2 MAR. 42 COIL 364-A REV 5 ASSIGNED	
DATE MONICOCTURES MANUALISTADES	DATE MANUFACTURES SEATURE STATE	date Morniskiyon's Skawigo Turibia

RELLY INTERNAL THE RELLY  PET STRICE AND COLUMN TO AND APPROXIMATE  2 APPLY STRICE AND VO. CONTECTS AND BY  2 APPLY STRICE AND BY  2 APPLY STRICE AND VO. CONTECTS AND BY  2 APPLY STRICE AND BY	MAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION	DESIG	MATION	FIRST ASSIGNI	ED FOR O	nasse-brazing <sub>h</sub>		DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION
### 12 2015 TE-1  ### 27 2015	SPOT SINGLE ATELY 5 MA 2 AMP AT 11: KURMAN COTL ENAMEL WIRE. OHMS.	TOR): BREAK COIL RA AT 10 V DC. CO V, NON-1700C	ONTACTS RATED TIVE LOAD. TURNS OF #38 APPROX. 2000	REL COI ENA 110 ABL MAX	AY: THE LITO M WIRE VOLTS E FROM	HERMAL TIME VOLTS. 60 E, 605 OHMS S, 60 CY, 6 M 5 SECONDS	RELAY CY. 5000 DC. CON AMPS. D	ITACTS RATED	•	RELAY: OP V DC. OPE ATING WAT STAND 1.2 TURNS #40 ANCE. CON	ERATING VOLTAG RATING CURRENT TS .2 WATTS. / WATTS CONTING EC WIRE, 1139 TACTS MU SNAP	F .0045 AMP. OPE HUST BE ABLE TO HOUS. COIL 57,50 DO OHMS DC RESIS -ACTION, SPOT,
RELY (TIME DELAY)  PET STANCE WATER ASSET, COL. 1971 THE  PET STANCE WATER ASSET, COL. 1970 THE	APR. 42					TD97				2/25/42		CRV:M-422350-
MULTICITUTION SPET ADMILLT ORSO ON COLUMN AT 115 V OC 10 APP AT 115 V						6 TBY &	187-1					CRY29161
TURNS OF \$27 EMAREL WIRE.  LOAD.  LOA	DELAY, AUTO CYCLES AC C V DC 1 AMP AC. OIL DAS SECONDS, CO	CATIC RESET, CONTACTS RATED AT 115 V DC 10 HPOT, TIME DELIL SQUARE D NO 754	01L 115 V 60 .4 AMP AT 230 AMP AT 115 V AY 15 TO 45 . 750-578-W27, CRV:*-420649-I	MUL SPS (MA AT ) RAT #CA 12/	TICIRC T NORM KE & B 0.075 ED 3 A Y:M-74	MALLY CLOSES BREAK). COIL AMP DC (2.1 MP. 150 WAI 408142-1 SU	D AND TH L RATED I V MINI TTS ON N IB 3 CRI:	REE SPDT 3 V (NORMAL MUM) CONTAC ON-INDUCTIV D-52089 REV	) TS E	MU SWITCH	I IS MANUFACTU	RER'S TYPE B-102
LOAD.  CAD 29152 YE-1  CAD 29155 YE-1  CAD 29155 YE-1  CAD 29156 A TRY-4 & TRY-6  CAN 29156 A TRY-4 & TRY-6  CAN 29157 YE-1  CAD 29158 A TRY-4 & TRY-6  CAN 29156 A TRY-4 & TRY-6  CAN 29156 A TRY-4 & TRY-6  CAN 29156 A TRY-4 & TRY-6  CAN 29157 YE-1  CAD 29158 A TRY-4 & TRY-6  CAN 29158 A TRY-4  CAN 2				1				CRY 29156		rcs 2916	2 WF4-1	
DUBLY 12 TO THE CATE OF THE CONTROLS AND THE CONTROLS OF THE CATE	TURNS OF #2	7 ENAMEL WIRE.	•	LOA	).					RELAY: CO VOLTS, 60 OPERATION MINIMUM E RATED CUS	OIL RATED 110 O CYCLES. 50% AS PER MINUTE PLUNGER TRAVEL RRENT IS .14 A	MINIMUM, 1/4" TO CLOSE. COIL MP, WIRE SIZE IS
RELAY (MOTOR DRIVEN, DOTALLY OPEN, SITCLE BREAK, MOTOR DRIVEN, TIME DELAY TOPE, SET, MORPALLY OPEN, SITCLE BREAK, MOTOR DRIVEN, TIME DELAY TIME				*							28202	CRV:W-305420- SUB 0
OMES DO RESISTANCE. RELAY COIL 680 OMES  CORYS-422311-1  (1/19/4) 32  CORYS-422311-1  CORYS-42	RELAY (MOTO TIME DELAY: BREAK, MOTO RATED 115 V RATED 4 AMP	R DRIVEN DPST. NORMALL R DRIVEN, TIME OLTS 60 CYCLES S. TIME DELAY	DELAY, COIL B AC. COMTACTS IN MINUTES	REL MUL AND RAT MIN	AY TI CIR FOUR ED 3 V INUM),	RCUIT-OME SI SPDT (MAKE VOLTS AT 75 . CONTACTS I	PST NORM AND BRE MA DC. ( RATED 3	IALLY CLOSED AK) COIL 2.1 VOLTS AMPS, 150		RELAY OVE POLE CIRC RATED 15 COIL 15	ERLOAD: SINGLE CUIT BREAKER, AMPS, 110 VOL TURNS #1 WIRE,	TIME DELAY TYPE. TS, 60 CYCLES.
RELAT, FOUR POLE:  DO RESISTANCE, CONTACTS RATED '4 AMPS 115  VOLTS 60 CYCLES, 1 AMP AT 24 VOLTS DC.  RELAT, FOUR POLE:  1 FOUTS DC. ASSIGNMENT INCLUDES METAL  COVER TO ENCLOSE THE UNIT.  1 /1/7/42 CS-1410 EXCEPT  JUNE 42 FOR 115 VOLTS DC.  1 /1/7/42 CS-1410 EXCEPT  JUNE 42 FOR 115 VOLTS DC.  2 /1/7/42 CS-1410 EXCEPT  JUNE 42 FOR 115 VOLTS DC.  2 /1/7/42 CS-1410 EXCEPT  JUNE 42 FOR 115 VOLTS DC.  2 /1/7/42 CS-1410 EXCEPT  JUNE 42 FOR 115 VOLTS DC.  2 /1/7/42 CS-1410 EXCEPT  JUNE 42 FOR 115 VOLTS DC.  2 /1/7/42 CS-1410 EXCEPT  JUNE 42 FOR 115 VOLTS AC.  AVEROAD CONTACTS REED 5 AMP, 115 V. BO  CONTCLES, LOR REIGS SAMP, 115 V. BO  CHICLES ARE ABOVE  CONTCLES, LOR REIGS SAMP OF ARE VOLTS DC.  CHICLITY ELAD AT 115 OR 210 V AC. AND. 6  AMP OUTH NOUTLIVE AT 230 V OC. COIL SOUARE  11/3/4/1 CLASS 8511 K-3 CRY:M-420647-2  APR. 42 POLE  D NO. 1267-S1-W35, 2500  CSZ 29154 VE-1  RELAT; THE DELAY MOTOR  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS CONTACTS, EACH RATED 5 AMP, 11  VOLTS 60 CYCLES, DC RESISTANCE 170 OHRS  CONTACTS CONTACTS, EACH RATED 5 AMP, 12  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS, CONTACTS, EACH RATED 5 AMP, 12  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS, CONTACTS, EACH RATED 5 AMP, 12  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS, CONTACTS, EACH RATED 5 AMP, 12  AND CONTACTS, EACH RATED 5 AMP, 12  AND CONTACTS, EACH RATED 5 AMP, 12  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS, CONTACTS, EACH RATED 5 AMP, 13  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS, CONTACTS, CONTACTS, CONTACTS  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS, CONTACTS, EACH RATED 5 AMP, 11  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS, CONTACTS, CONTACTS  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS, CONTACTS  AND CONTACTS, CONTACTS  AUGO TURNS #12 WIRE, DIZ OHRS  CONTACTS, CONTACTS  AUGO TURNS #12 WIRE, CONTACTS  AUGO TURNS #12 WIRE, CONTACTS  AUGO TURNS #12 WIRE, CONTACT	OHMS DC RES 11/19/41 36	ISTANCE. RELAY 2	CRV:M-422311-1	-29 4/2	156 E) 8/42	XCEPT FOR C D-51912	HANGE IN	B CONTACT. CRI:0-51912		3/12/42		CRV: M-421644-
1/17/42 CS-1410 EXCEPT JUNE 42 FOR 115 VOC;CAT:  CSZ 29153 YE-1  RELAY: JPSI NORMALLY OPEN, SINDLE BREAK PER CIRCUIT. COLI VOLTAGE 115 V +105 -154 60 CYCLES. CONTACTS RATED 15 AMP, NON- HOUCTIVE LOAD AT 115 NO R2 30 V AC, AND 6APP NON-HOUCTIVE LOAD AT 115 NO R2 30 V AC, AND 6APP NON-HOUCTIVE LOAD AT 115 NO R2 30 V AC, AND 6APP NON-HOUCTIVE LOAD AT 115 NO R2 30 V AC, AND 6APP NON-HOUCTIVE AT 230 V OC, COLL SOURCE 11/19/41 CLASS 8511 K-3 CRY!*-420647-2 SUB 1  D NO. 1267-S1-W33, 2500 CSZ29153  TURNS #33 ENAMEL WIRE. RESISTANCE 174 OHMS.  CSZ 29154 YE-1  RELAY: 1975 MORTALLY OPEN SINGLE BREAK PER CIRCUIT, COIL VOLTAGE 230 V DC +103 -1554, CONTACTS APPS 115 V OR 230 V AC, OC CONTACTS 10 CLOSE AFFER TIME DELAY OF FROM OVERLOAD CONTACTS TO RESISTANCE 120 AMPS AT 15 VOLTS AC, OCY- OWNER 280 SHOCK TEST,  POLY 1974 TO RESISTANCE 120 AMPS AT 15 VOLTS AC, OCY- OWNER 280 CYCLES. DOE RESISTANCE 120 OHMS A000 TURNS #30 ENAMEL WIRE. 2/20/42 TD646 CRY:M-421682 APR. 42 SUB 0  CSZ 29154 YE-1  RELAY: 1975 TO CONTACTS TO CLOSE AFFER TIME DELAY OF FROM OVERLOAD CONTACTS TO RESISTANCE 120 AMPS AT 230 WOLTS AC, OCY- OWNER CONTACTS TO CLOSE AFFER TIME DELAY OF FROM OVERLOAD CONTACT TO CAN2916  CAN2916  CAN29164 OFA-1  FIRST TIME DELAY OF FROM ON SETTING.  CAN29164  CRY:M-421682 APR. 42 SUB 0  APR. 42 POLE  CAN29164 OFA-1  FIRST TIME DELAY OF FROM ON SETTING.  CAN29164 OFA-1  FIRST TIME DELAY OF FROM ON SETTING.  CAN29165  CAN29167  CAN291667  CAN291667  APR. 42 POLE  CAN29167  CAN29167  CAN291667  APR. 42 POLE  CAN29167  CAN29167  CAN291667  CAN29167  CAN291667  CAN29167  CAN29167  CAN291667  CAN29167  CAN			RATED'4 AMPS 11	REL 15 DOU RAT 115	AY, FO	OUR POLE: HROW, SINGL AMPS AT 11 S DC. ASSIG	E BREAK. 5 VOLTS	DC. COIL FO		TIME DELA SYNCHRONO 115 V SIN CONTACTS, CYCLES. O	Y RELAY: DUS MOTOR TYPE IGLE PHASE, 60 EACH RATED 5 INE CONTACT CL	CYCLES. HAS THR AMP, 115 V. 60 DSES WHEN OFERAT
RELAY: 3PST NORMALLY OPEN, SINGLE BREAK PER CIRCUIT, COIL VOLTAGE 115 V +104 -154 60 CYCLES, CONTACTS RATED 15 AMP, NON- 1NOUCTIVE LOAD AT 115 OR 230 V AC, AND. 6 ANP NON-INDUCTIVE LOAD AT 115 OR 230 V AC, AND. 6 ANP NON-INDUCTIVE LOAD AT 115 OR 230 V AC, AND. 6 ANP NON-INDUCTIVE LOAD AT 115 OR 230 V AC, AND. 6 ANP NON-INDUCTIVE LOAD AT 115 OR 230 V AC, AND. 6 ANP NON-INDUCTIVE LOAD AT 115 OR 230 V AC, AND. 6 ANP NON-INDUCTIVE LOAD AT 115 OR 230 V AC, AND. 6 ANP NON-INDUCTIVE AT 230 V OC, COIL SOURCE 11/19/41 CLASS 8511 K-3 CRY;**-420647-2  D NO. 1267-S1-W33, 2500 CSZ29153  TURNS #33 ENAMEL WIRE, RESISTANCE 174 OHMS.  D NO. 1267-S1-W33, 2500 CSZ29153  TURNS #33 ENAMEL WIRE, RESISTANCE 174 OHMS.  CSZ 29154  CSZ 29154  VE-1  RELAY: SPST NORMALLY OPEN SINGLE BREAK PER CIRCUIT, COIL VOLTAGE SINGLE BREAK, NORMALLY OPEN CONTACTS SINGLE BREAK, NORMALLY OPEN CONTACTS SINGLE BREAK, NORMALLY OPEN CONTACTS COIL SOURCE D NO. 1305-S1-W40, 3500 TURNS 400 ENDERO PER SUB O  CSZ 29154  CER 29160 NEA-1  RELAY: 3PST NORMALLY OPEN CONTACTS SINGLE BREAK, NORMALLY OPEN. CONTACTS SINGLE BREAK, NORMALLY OPEN. CONTACTS COIL SOURCE D NO. 1305-S1-W40, 3500 TURNS 400 ENDERORY  APPS 115 V OR 230 V AC. DC CONTACTS 6 COIL SOURCE D NO. 1305-S1-W40, 3500 TURNS 400 ENDERORY  APP SITE OF THE PURPOSE BRING TO PROVIDE AND THAT SHAP CC. COUTACTS FOR THE PURPOSE BRING TO PROVIDE AND THAT SHAP CC. COUTACTS FOR THAT SHAP CC. COUTACTS FOR THAT SHAP CC. COUTACTS SINGLE BREAK, NORMALLY OPEN. CONTACTS SINGLE BREAK, NORMALLY OPEN. CONTACTS SINGLE BREAK, NORMALLY OPEN. CONTACT SHAPE COUTACTS SINGLE BREAK, NORMALLY OPEN. CONTACT SHAPE COUTACTS SINGLE BREAK, NORMALLY OPEN. CONTACT SHAPE COUTACTS SINGLE BREAK, NORMALLY OPEN. CONTACT SHAPE COUTACT SHAPE COUTACTS SINGLE BREAK, NORMALLY OPEN. CONTACT SHAPE COUTACT SHAPE COUTACTS SINGLE BREAK, NORMALLY OPEN. CONTACT SHAPE COUTACT SHAPE										CIRCUITS 3/19/42		IME DELAY OF FRO 811942
CSZ 29154 YE-1  RELAY: 375T NORMALLY OPEN SIGGE BREAK PER CIRCUIT, COIL VOLTAGE AMPS 115 V OR 230 V AC, DC CONTACTS 6  AMPS 115 V OR 23	CIRCUIT. CO 60 CYCLES. INDUCTIVE L AMP NON-IND NON-INDUCTI 11/19/41 CL	LY OPEN, SINCL IL VOLTAGE 115 CONTACTS RATED DATA T 115 OR UCTIVE LOAD 11 VE AT 230 V OC ASS 8511 K-3	V +10% -15% 15 AMP, NON- 230 V AC, AND- 5 V DC 3 AMP COLL SQUARE CRV: N-420647-2	0 VE 2 P LOA COI 6 DC BAL VUS 1/3	RLOAD OLE, 1 D COIL L IS 3 RESIST ANCE F 22-15 U/42	CONTACTOR: 110 VOLTS A LS, TIME DE 30 TURNS #1 TANCE. HAS FOR 250G SH BACK CONNE	LC, 15 AM LAY PER 2 HIRE, INTERNAL HOCK TEST CTED CR	CURVE "D"012 OHMS . COUNTER-				D - CAN 2916
RESISTANCE 174 OHMS.  ORIVEN. SPST CONTACTS RATED 6 AMPS AT 115 VOLTS 60 CYCLES. TIME DELAY: 10 SECONDS. MOTOR RATED 115 VOLTS 60 CYCLES. 3.2 MATTS. CLUTCH COIL OPERATES FROM 115 VOLTS 60 CYCLES. 3.2 MATTS. CLUTCH COIL OPERATES FROM 115 VOLTS 60 CYCLES. AMPS. 115 VOLTS 60 CYCLES. 3.2 MATTS. CLUTCH COIL OPERATES FROM 115 VOLTS 60 CYCLES. 3.2 MATTS. CLUTCH COIL OPERATES FROM 115 VOLTS 60 CYCLES. AMPS. 115 VOLTS 60 CYCLES. 3.2 MATTS. CLUTCH COIL OPERATES FROM 115 CLOSES WHEN OPERATING PUSH BUTTON IS PRESED, OTHER TWO CIRCUITS CLOSE AFTER APPS. 42 SUB 0  CER 29154 YE-1  RELAY: 3PST NORMALLY OPEN SINGLE BREAK PER CIRCUIT. COIL VOLTAGE SINGLE BREAK PER CIRCUIT. COIL VOLTAGE SINGLE BREAK PER CIRCUIT. COIL VOLTAGE SINGLE BREAK, NORMALLY OPEN. CONTACTS TO CLOSE AT 60 MA DC. TO OPEN AT 35 MA DC. CONTACTS AFTED 4 AMPS 115 VOLTS AC. AMPS 115 VOR 250 V AC. DC CONTACTS AFTED 4 AMPS 115	D NO. 1267-	S1-W33, 2500		i cs	D 291			)B 0				
RELAY: 3PST NORMALLY OPEN SINGLE BREAK PER CIRCUIT. COIL YOLTAGE AMPS 115 V OR 230 V AC. DC CONTACTS 6 AMPS 115 V OR 230 V AC. DC CONTACTS 6 AMPS 115 V OR 210 3 AMPS AT 250 VOLTS DC COIL: 100 OHMS DC RESISTANCE, 2600 TURNS #40 ENAMEL WIRE. RESISTANCE 11,600 OHMS. 11/19/41 CLASS 7811 K-3 CRY:M-420647-1 APR. 42 POLE SUB 1 ASSIGNAB INSURA POLE SUB 0 ASSIGNAB INSURA POLE SUB 0 ASSIGNAB INSURA POLE ASSIGNAB INSURA POLE SUB 0 ASSIGNAB INSURA AUG. 42 SUB 0 ASSIGNAB ISSUED				0RI 115 SEC 3.2 VOL 400 2/2	VEN. S VOLTS ONDS. WATTS TS 60 O TURE	SPST CONTAC S 60 CYCLES MOTOR RATE S. CLUTCH C CYCLES. DC NS #30 ENAM 1D646	CTS RATED S. TIME D ED 115 VO COIL OPER C RESISTA HEL WIRE. CR	DELAY: 10 DLTS 60 CYCU RATES FROM 1 ANCE 120 OHM RV:M-421682	115	SYNCHRONI 115/1/60, AMPS: 119 CLOSES WI PRESSED: A TIME DI 11/4/42	DUS MOTOR TYPE HAS THREE CO VOLTS, 60 CY HEN OPERATING OTHER TWO CIRC	NIACIS, EARRATED. ONE CONTACT- PUSH BUTTON IS UITS CLOSE AFTER TO 80 SECONDS, 811942
ASSIGNED ISSUED ISSUED	RELAY: 3PST SINGLE BREA 230 V DC +1 AMPS 115 V AMPS 115 V COIL SOUARE #40 ENAMEL 11/19/41 CL	NORMALLY OPE K PER CIRCUIT O% -15%. CONT OR 230 V AC. DC AND 3 AMPS D NO.1305-S1 WIRE. RESISTA ASS 7811 K-3	. COIL VOLTAGE ACT RATINGS 15 DC CONTACTS 6 AT 250 VOLTS 1 -W40, 3500 TURS NCE 11,600 OHM CRY:M+420647-1	RES SII TO DC CO CO CS #0	LAY: 3 NGLE B. CLOSE . CON IL: 10 32 WIR	PST REAK, NORMA E AT 60 MA D ITACTS RATED OO OHMS DC F RE.	ALLY OPE DC, TO OI D 4 AMPS RESISTAN	PEN AT 35 M 115 VOLTS CE, 2600 TU RV:W-305400	A C. RNS	NUMBER E: TO THE F THE BOMB MOTION OF TARCET.	CCEPT FOR ADDI IRING KEY TO P BARRAGE WITHO FEITHER PURSU THE PURPOSE BE	TION OF A POSITI ROVIDE FLASHING OT INTERUPTION O ING VESSEL OR ING TO PROVIDE
	APR. 42 PC			ASSIGNATE	,, ,,							

MAYY TYPE FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION . FIRST ASSIGNED FOR OR SPECIFICATION	MANY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
CHN 29165 SA	CFT 29171 YA-1	29175 Q3C
OVERLOAD CONTACTOR:	RELAY PANEL:	RELAY: 4PDT
2 POLE, 115 VOLTS AC, 60 CYCLES, 15 AMPS, 2 OVERLOAD COILS, TIME DELAY PER	INPUT: 50 VOLTS. 2.5 AMPS DC. 125 HATTS. CONSISTS OF 3 NORMALLY OPEN SINGLE POLE.	60 CYCLE COIL
CURVE C. COILS CONSIST OF 30 TURNS OF	ONE NORMALLY OPEN SINGLE POLE, AND ONE	
#12 ENAMELED WIRE, DC RESISTANCE .012	NORMALLY CLOSED SINGLE POLE, ONE NOR-	
OHMS. (APPROX) HAS COUNTERBALANCE FOR 250G SHOCK TEST.	MALLY CLOSED SINGLE POLE, AND ONE NOR- MALLY OPEN DOUBLE POLE MERCURY CONTACT	e •
4/11/42 0322-15 CRY:M-421670-3	5/8/42 112A CFT:F-34464-2A	6/25/42
AUG. 42. SUB 3	NGY. 43 112B	AUG. 42
CHN 29166 SA	051170 0175 00 1750 115 057 00171	
OVERLOAD CONTACTOR: 2 POLE,	RELAYS RATED 20 AMPS 115 CFT 29171 VOLTS NON-INDUCTIVE LOAD.	CAO 29176 SG RELAY: TIME DELAY UNIT
115 VOLTS AC. 60 CYCLES, 30 AMPS. 2		WITH AUXILIARY RELAY. CONSISTS OF TWO
OVERLOAD COILS TIME DELAY PER CURVE C. COILS CONSIST OF 15 TURNS #9 ENAMELED		RELAYS 33114/33115 WITH 450/750 CHMS DC
WIRE DC RESISTANCE .0037 OHMS (APPROX).		RESISTANCE, 5300/7300 TURNS #36 ENAM/ 37 ENAM WIRE, 3.35/1.23 WATTS CONSUMED. IN-
HAS COUNTERBALANCE FOR 250G SHOCK TEST. #0322-30 (BACK CONNECTED)		PUT 115 VAC. 60 CY. CONTACTS RATED AT 4
4/11/42 *SEE ABOVE CRY:M-421670-1		7/10/42 K-41184 CRP:DUG71-5001
AUG. 42 SUB 3		MAR. 43 REV O
CHN 29167 SA OVERLOAD CONTACTOR:	CHO 29172 YA-1	CBZ 29177 SG
2 POLE, 115 VOLTS AC. 60 CYCLES, 10	LINK CIRCUIT RELAY: SPDT SINGLE BREAK, NORMALLY CLOSED TO	RELAY:
AMPS, 2 OVERLOAD COILS, TIME DELAY PER	RIGHT SIDE, 2 FIELD COILS IN SERIES	OPERATES FROM 110 V. 60 CYCLES. THREE POLE SINGLE THROW, MORMALLY OPEN. 10
CURVE C. COILS CONSIST OF 44 TURNS OF #14 ENAMELED WIRE DC RESISTANCE .025	RATED 55 VOLTS DC ±18%. 3400 TO 3600 QHMS MAXIMUM RATING 19 MA AT 130 V DC.	AMPS CONTACTS. ASSIGNMENT DOES NOT IN-
OMMS (APPROX)	MINIMUM RATING 12 MA AT 90 V DC. TWO	CLUDE MOUNTING BRACKETS. COIL DATA: 62 OHMS DC RESISTANCE, 1450 TURNS #31 ENAM
4/11/42 0322-10 CRV:M-421670-2	ARMATURE COILS IN PARALLEL EACH RATED 5/8/42 2-8 CHO:2-8 SPECIAL	& CBZ:BUL. NO. 702', Y -4 05 6 -D REY 3
JUNE 42 SUB 3	HOV. 43 CFT:RA-1925-14A	7/10/42 CB2:895568 3 SEE ABOVE MAR. 43
		na. 13
CAO 29168 RADAR MK. 10	110 V OC ±181. 2115 TO CHO 29172	CB Z 2 9 1 7 7
AC MAGNETIC CONTACTOR: RATED 5 HP, 450 VOLTS AC, 20 AMPS FOR	2215 OHMS, MAXIMUM RATING 61 MA AT 130 Y	
8 HOURS CONTINUOUS. SOLENCID OPERATED.	DC. MINIMUM RATING 40 MA AT 90 V DC. CONTACTS RATED 5 AMPS, 110 V AC. OPERAT-	WIRE .204 AMPS, 2.37 HATTS CONSUMED.
TOP CONNECTED. ARC IS CONFINED TO INDI- VIDUAL POLE BY BARRIERS OPEN AT THE	ING SPEED TO CYCLES PER SECOND (25 WORDS	
BOTTOM ONLY. OPERATING COIL (HARD	PER MINUTE).	
LEONARD TYPE 79L3) RATED 450 VOLTS, 175 4/13/42 CAO:H6O-1 CAO:H5135.33A		
4/13/42 CAO:N60-1 CAO:15135.33A AUG. 43		
and the state of t		
CA029168	CZR-CH 29173 ZB-2 & Z8-3	CLR 29178 SG
ANNO DO DECLOTANOS ANNOLADA CONTACTO	SWITCHING RELAY:	RELAY:
OHMS DC RESISTANCE. AUXILIARY CONTACTS RATED NORMALLY OPEN 450 VOLTS 20 AMPS.	INCLUDES A RELAY TO SWITCH THE RU SERIES RECEIVER FROM THE AMTENNA TO THE HOMING	2 TO 120 V DC. COIL CONSUMPTION 2.25 WATTS, 15 MA DC., 5000 OHMS COIL, DPST
NORMALLY CLOSED 5 AMPS CONTINUOUS AND	ADAPTER OR VICE VERSA. SAME AS NAVY TYPE	NORMALLY CLOSED. COIL DATA: 5000 OHMS
25 AHPS MAKE AND BREAK.	-29093 EXCEPT SUBSTITUTES A RECEPTACLE FOR USE WITH PT-5 TRANSMISSION CABLE.	DC RESISTANCE, 15,500 TURNS OF #41 ENAM
		WIRE, .015 AMPS DC, 1.25 WATTS CONSUMED
	5/23/42 JUNE 42	7/10/42 CLR:1075-3F CLR:LC-2001
		MAR: 43 REV O
CAY 29169 TBL-7	CG-29174 TBC-4	CLR 29179 SG
KEYING RELAY: 4 PST.	CONTACTOR UNIT:	RELAY:
DOUBLE BREAK, 3 POLES NORMALLY OPEN AND ONE POLE NORMALLY CLOSED. COIL RATED	INCLUDES MAIN PLATE STARTING CONTACTORS AND RESISTORS AS WELL AS POWER AMPLIFIER	115 V, 60 CYCLES, 6 VA, DPST NORMALLY
50 TO 100 VOLTS DC. 740 0HMS, 100 NORDS	VOLTAGE REGULATOR AND STARTING CONTAC-	DPEN. CERAMIC BASE INCLUDED. ASSIGNMEN Does not include MTG. Bracket. Relay
PER MINUTE. EXCEPT FORBASE PART AND SUP- PORT BRACKET IS SAME AS CAY-29066. CON-	TORS. EQUIPMENT SUPPLY:220/5/50-60. SIMILAR TO CG-29092 EXCEPT OPERATES FROM	MUST NOT CHATTER FROM 105 - 125 V. COI
TACTS RATED 1/4 AMP, 2000 VOLTS.	50 TO 60 CYCLES.	DATA: 530 OHMS DC RESISTANCE, 5500 TURN #36 ENAM WIRE, 2.25 WATTS CONSUMED.
4/19/42 CAY:1-7604741- 0CI- 42 12, SUB 34	5/28/42 CG:ML-7661187C3 CG:T-7661187 NOV. 43 REY 8	7/10/42 CLR:1174 CLR:LC-2000
	RET T	MAR'. 43 REV O
CG 29170 SA	CG-29174-A TBC-5 TCG-3	CLR 29179A SG
RELAY: OPEN TYPE, 3 POLE DOUBLE BREAK, 2 POLES NORMALLY OPEN AND	CONTACTOR UNIT	RELAY:
1 POLE NORMALLY CLOSED. CONTACTS RATED	INCLUDES MAIN PLATE STARTING CONTACTORS AND RESISTORS AS WELL AS POWER AMPLIFIER	SAME AS CLR-29179 EXCEPT THAT THE AS- SIGNMENT INCLUDES MOUNTING BRACKET.
10 AMPS AT 110 VOLTS 60 CYCLES, SINGLE PHASE, 1600 TURNS .0089E WIRE, 75 OHMS	VOLTAGE REGULATOR AND STARTING CONTACT-	STORMENT INCCODES NOONTING BRACKET.
DC RESISTANCE. REQUIRES 145 VA TO CLOSE.	ORS. EQUIPMENT SUPPLY: 220/3/50-60. SAME AS CG-29174 EXCEPT HAS ADDITIONAL TER-	
WILL HOLD DOWN TO 24 VA. (CG SIZE OO.	MINAL BOARDS TO FACILITATE INTERNAL	
5/5/42 CAT:4986342-G2 CRY:M-422406-1 JUNE 42 SUB 0	12/31/43 ML7661187G4 P-7764718	7/10/42 CLR:1174 Aug. 42
cc 291 <b>7</b> 0	CG- 29174-A	cLR 29180 sc
FORK CD. 2010.110000	WIRING.	RELAY:
FORM CR-2810-1809C)	The state of the s	115 V, 60 CYCLES, 6 VA, DPOT NORMALLY
		CLOSED, CERAMIC BASE. COIL DATA: 530 OHMS DC RESISTANCE, 5500 TURNS #36 ENAM
		WIRE, 2.25 WATTS CONSUNED.
이 그는 그들은 사람들이 하는 사람들이		
and the second of the second o		7/10/42 CLR:11778F CLR:LC-1660
A3SIGN ISSUE		

BATE MANUFACTURER'S

		,	<u></u>						
DESIGNATION	FIRST ASSIGNED FOR	DE SPECIFICATION	DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION		HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	or spectfication
CONTACT, CO	CYCLES, 6 VA. ERAMIC BASE.	DPDT WITH AUX DT COIL DATA: 530 TURNS #36 ENAM		TO 98 VOLTS AC.	ccq- 29134	- <b>A</b>	4 PST, CO PST SWITC NORMALLY	O * SEE BELO CONTACTOR: NSISTING OF A N H AND AN AUXILL OPEN. HIGH IMP ED 440 V AC. 25	ORMALLY OPEN HARY CONTACT, ACT, MAIN CO
	LR:1177-CBF	CLR:LC-1834 REV 0	,				2 AMPS DC * RADAR M 9/27/42 OCT. 42		NTACT RATED 1 CW:KS-5958 ISSUE 1
	****								
DC, 1800 OF AMP. ELEC	AY: D OME BREAK, T COIL RATED 0.1 HMS. BREAKS 1 TRICALLY THE S	O AMP AT 75 V O WATTS AT 0.056 AME AS -29108	AMP WITH	35 * SEE BEL ED 115 VOLTS, 61 1600 OHMS IMPER RES, CONTACTS I AC, 0.5 AMP DC.	O CYCLES, 0.09 DANGE AND 314 RATED 115 VOLTS	· .	115 VOLTS	MPS. COIL RATE , 60 CYCLES, O. IS 5.3 OHMS.	
	NLY A FRACTION	FOR ADJUSTMENT OF THE TIME; CAY:T-7604741- 13 SUB 38		MARK 8 AND SE CW:KS-5910 LIST 03					
ccq 2 9 1 8 3	* SEE BELO	¥	cco. 201	85-A MARK 13			CRV 2919	1 909-2	
RELAY: COIL RATED AMP WITH 3: OHMS DC RE	115 VOLTS, 60 115 VOLTS, 60	CYCLES, 0.05 ANCE AND 495 ATED 115 VOLTS,	RELAY: COIL RATI WITH 170 DC RES. AMPS AC,	ED 115 VOLTS. 60 D OHMS IMPEDANCE CONTACTS RATED I O.5 AMPS DC 4PE	AND 280 OHMS 15 VOLTS, 10 T. SAME AS		RELAY-JUN CONTAINS NECESSARY	CTION 80X: THO RELAYS AND FOR OPERATION TRAINING UNIT.	OF THETYPE
# RADAR MA: 7/25/42 G: AUG. 42 L	KS-5910		DC RES.	CCEPT FOR CHANGE AND MINIMUM PICK BOI2435-115			11/24/42 May 43	CRV:MI-8993A	CRV:W-30600 SUB. 0
CCQ-29183 RELAY COIL RATED	- A HARK 13	~, 0.05 AMPS	CHANGED	FROM 92 TO 98 VC	cco-29185- LTS AC.	<b>A</b> ,			
WITH 3000 ( RES. CONTAC AC. O.5 AMF EXCEPT FOR	OHMS IMPEDANCE CTS RATED 115 'S PS DC. 2PDI. S CHANGED COIL	AND 450 OHMS DC VOLTS, 10 AMPS					INTERRUPT 1.5 AMP. #31 COPPE AMPS DC.	ING CAPACITY 5 125 V DC, MAIN R ENAMEL WIRE. 405 ± 25Ω DC RE	AMP, 115 V A COLL: 8900 T .0.04 TO 0.16
9/20/44 BO	0636A-115 C	N: KS-5910 LIST 6, ISS. 2. APP.5					10/6/42 May 43		CAY:1-D-214
TO 0.165¶.		ccq-29133-A	INCLUDES UHF TRAM	RELAY UNIT: RELAY TO SWITC SMITTER TO UHF		19 -		- DC RES. 1-01- COPPER ENAMEL	
			ING UNII	NOT IN USE.					
-			7/25/42 Aug. 42	CJF:F-101-4					
			AUG. 42					3 *ece per ou	
RELAY COIL RATED WITH 3000 ( RES. CONTAC	TS RATED 115	~, 0.05 AMPS AND 450 OHMS DC VOLTS, 10 AMPS ME AS -29183-A		B7 DAH1 ED 6 V, 60 CYCL RATED 15 AMPS		·s t	3 POLE, D	T BREAKER: EAD. FROMT: ENCLO VERLOAD. 100 AP	SED. MANUAL.
EXCEPT MI	HINUM PICKUP A DM 92 TO 98 VO	DJUSTMENT IS	8/1/42 AUG. 43	CAT NO. 105-11	2 CFT:F-37217-1	I C	*FOR USE 11/28/42 SEPT 43		CAY:DIMENSI Sht:29-530
CCQ 29184 RELAY:	* SEE BELO	ж	cLR 291	BB SC-2 SC-3			CRY 2919 RELAY:		
COIL RATED AMP WITH 1 OHMS DC RE	600 OHMS IMPED	ATED 115 VOLTS.	THROW NO Volts, 6 Minimum	RMALLY OPEN. CO 0 ± 3 CYCLES. 3 RESISTANCE. CO AND BREAK AT 1	IL RATED 115 1 30 Ma, 500 OHMS VTACTS RATED 1	;	RESISTAND	MALLY OPEN. COI E. 30,930 TURNS ED AT 150 WATTS	#40 NIRE. C
* RADAR HA 7/23/42 C AUG. 42 L	W:KS-5910		9/2/42 MAR. 43	1357-89	CG:K-35J805 REV 0 1786		1 /6/42 May 43	CRY: A - 8035	CAY:M-74084 REV. 1
RELAY COIL RATED	- A MARK 13		OPEN. C	39	10 VOLTS, 60 ±		RESET: SP	RELAY-MANUAL ST, SINGLE BREA DJUSTABLE FOR O	K, NORMALLY PERATION FRO
DC RES. COM AMPS AC. O. -29184 EXC	NTACTS RATED 1 5 AMPS OC 3PD PT FOR CHANGE	15 VOI.TS, 10	CONTACTS	RATED 8 AMPS M.	KE AND 5 AMPS		230 V AC, TO 1.6 OH *TAB-6,-7	AMP DC. CONTACT OR DC. COIL 47 MS DC RESISTANO 3TBU-4 MH:S#1164031	3 TURMS #20:
9/20/44 B		(CW) KS-5910 LIST 02 455.	9/2/42 MAR. 43	1358	CG:K-35J282 REV 2 17R6	ASSIGNED ISSUED		COIL:S:1164028	
DATE	ANDFACTURER'S	STANKE SALVERS	DATE	MANUFACTURER'S DESIGNATION	STRUTSAIKUAN.	133080	DATE	MANUFACTURER'S DESIGNATION	MANY FACTURER

DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION		DESIGNATION	FIRST ASSIGNED FOR	ON SPECIFICATION		DESTANTION	FIRST ASSIGNED FOR	OR SPECIFICATION
	* .	0.W2010E		c KU 2920(	) MKII,MKII	MODI				
		CAY 29195		RELAY, TI		HODI		CPK 29207		
EXCEPT FOR	COIL AND RANGE	E OF ADJUSTMENT	•		TEN: OPEN TYPE			341103140	accar.	
				RATED FOR	ONE AMP AT II	5 V 60 CY. MOTO				
•						INUOUS DUTY IN . OTOR RESISTANCE				
				5 30 OHMS (	C. TIME DELAY	ADJUSTABLE				
				1/30/43 ( AUG 43	:KU:R-300	CRV:M-422748-	1	2/5/43 May 43		
CAY 29196	#SEE BELOW					CKU29200		CAO 29208	SH	
	ELAY-MANUAL II, SINGLE BREAT	K. NORMALLY			SECONDS AND TO HOLD WITH	60 SECONDS, ANY IN 5 SECONDS:		RELAY:		DIL RATED 115 V.
CLOSED; AD	JUSTABLE FOR OF	PERATION FROM			TIME LESS THA			60 CYC. D.	13 AMP. IMPED	ANCE IS 1030 OHY
	GO AMP DC. CON' / AC GR DC CGIL					FOR A DROP OF O		DC RES- 15	; 102 OHMS. CO ; V DC OR 115	STACTS RATED 15
38 TO 43 O	HMS DC RESISTA		•.	· .				AID 4	, , 50 0 110	
*148-6,-78	1180-4 1N:5-1164029	T-7607037-11		100	4.3			2/6/43	W:KS-5909	CW: KS-5909
MAY 43 C	O1L:S#1164026								.1ST 01	ISSUE 1
				0000						
		CAY 29196		CAE 29201	MARK 8 MAL OVERLOAD:			CAO 29209	) SH	
	CEPT FOR COIL	AND RANGE OF AD	•	SPST, NOR	ALLY CLOSED.	ADJUSTABLE DUPLE		RELAY: 4 PST. NO	RMALLY OPEN. C	OIL RATED IIS Y.
JUSTMEN	τ.					. CONTACTS RATE Y adjustable fr		60 CYC, O	13 AMP, IMPEN	DANCE IS 1030
	1.5				TO 6 AMP MAX				RES. IS 102 OH AMP AT 115 V D	MS. CONTACTS C OR 115 V. 60
								CYC.		
				1/31/43 (	AE:10176	CW:KS-5930		2/6/43	CW:KS-5909	CW:KS-5909
				MAY 43		ISSUE I		HAY 43	.IST 02	ISSUE I
CAY 29197	7 TA3-6-7219	ti - 4		CA0 29202	PARK 8			cc- 2021	n s#	
OVERLOAD R	RELAY-MANUAL	* * * * * * * * * * * * * * * * * * *		CONTACTOR	:			CG-2921 RELAY-TIM		
	ST. SINGLE BREAD DJUSTABLE FOR O				LY OPERATED. CH WITH AUXILI	NORMALLY OPEN, ARY NORMALLY	3			CR-2820-1054MU RECTIFIER (C:L:
0.35 10 1.	4 AMP DC. CONT	ACTS RATED 0.5		CLOSED CO	TACT. COIL RA	TED 4 AMP INITI	AL			MALLY OFEN. CUI
	V AC OR DC. COT TO 7.3 OHMS DC:					RATED AT 115 V RES. MAIN CONTA	CTS			2 AMP. IMPEDANC
SAME AS -2	29103 EXCEPT FO	R COIL AND RANG		RATED 1.5	MF. AT 440 V A	C. AUXILIARY CO				. 2000. CONTACT
1/15/43 P	MN:S#1164030	CAY: 1-7607037-		1/31/43 ( MAY 43	A0:N-83	CW:KS-5931 ISSUE 1		2/6/43 May 43	CW:KS-5912	CW:KS-5912 ISSUE 1
								MA1 43	L131 VI	12206 1
OF ADJUST	WENT	.CAY 29197				CA029202				cc-29210
. 01 4000311	MENT.			TACT NORM	ALLY CLOSED.			VOLTS DC.	TIME DELAY IS	APPROX. 2 SEC-
									• •	
			545							
						• * * * * *	460			
CGE 29198	8 SL			CAD 2920				CRY 2921	1 PD-1	
COIL RATE	D 110/60 CY. 39			PULL TYPE	CONSISTING OF	SINGLE OPERATI	NG	RELAY: BPSI NO	RMALLY OF	EN. COIL: 45,70
	150 OHMS DC RE IMPEDANCE AT 6					ED CORE AND A	10			ANCE 6500 OHMS.
CURRENT 15	S 130 MA AND SE	ALED CURRENT IS		V, 60 CYC	AC. PLUNGER I	IAS MAX STROKE O .BS. COIL HAS 2		COIL RATE	D 50 VOLTS, 7.	S. 3 AMPS E.C. 7 MILS DC WITHO
STROKE OF	LL IS THREE OUN 3/4".	CES WITH MAXIM	J.N			145 OF #20 SCC		SERIES RE	SISTANCE.	
1/28/43	CW:KS-5970	A grade the gr		1/31/43 AUG. 44	SIZE 5	CW:ESO-687099	•		CRY:TYPE C. #A-	
MAY 43				77				AUG 45	11149;CC3:8-42	6 JULY 27, 1942
CKU 2919	9 #811,8811	HODI				CA029203		CAO 2921	2 PD-1	
RELAY:				WIDE AND	42 OF 129 THE	S OF #17EC WIRE		RELAY:	-	
	E POLE DOUBLE T LE SINGLE THROW			COIL DC R	SISTANCE IS 3	TEST GNA SPHO	•			VER CONTACTS RAI V. 33 MA. 60 CYC
CONTACTS	RATED 6 AMP. 11	5 V 60 CY. COI		VOLTAGE I		IMILAR TO NAVY	2			SISTANCE 1050 0:
OPERATION	; 370 OHMS DC R	RESISTANCE WITE		771 ~ NV+						
4350 TURNS	S OF #35 ENAMEL	WIRE. RELAY TO CRV:K-876114-						2///		
AUG 43	UNU.3	SUB 6	•						CAD: K-41208 CCS: 8-409	CA0:26255-AE
					_					
		CKU 29199		csp 2920	MARK 3 &	4		CA0 2921	3 PD-1	
	OSED FOR A DROP IN LINE VOLTAGE			RELAY: SPDI. 7 V	, 4 MA. DC, 15	OO OH'S COIL,		RELAY:	ER CONTACTS RA	TED 110/220 W
	2 1021.102			CONTACTS	RATED 2 AMP AC	, AND. 0.25 AMP	•	2.0/1.5 A	HP AC AND COIL	RATED 2.03 V A
				DC AT 110	٧.			6.76 HILS	. DC RESISTANO	E 18.300 OHMS.
		1.195								
					28XAXQ38 - DC	CW: KS-5929		2/6/43	CA0:251-34	CATALOGUE
			ASSIGNED	MAY 43	CW: KS-5,929-L02	FIG 1	ASSIGNED	MAY 43		#251
			ISSUED	ļ		,	ISSUED	<del></del>		

MANUFACTURER'S MANUFACTURER'S ORAWING HUMBER

anniacture a

DATE MANUFACTURER'S CAMMINACTUREES

NAVY TYPE DESIGNATION FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION FIRST ASSIGNED FOR	NAVY DRAWING	NAVY TYPE	HAVY DRAWING
DESIGNATION FIRST ASSIGNED FOR	OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR	OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR	OR SPECIFICATION
CSZ 29214 -55ACX RELAY: OPEN TYPE. 5 POLE. DOUBLE NORMALLY OPEN. THO POLES N CONTACTS RATED 10 AMP AT 1 OPERATING COIL VOLTAGE IS *COIL CLASS 8502 SIZE 00	NORMALLY CLOSED. 110 V. 60 CYC.	CLR 29221 TCS-6 RELAY: DPDT AND SPST MORMALLY V DC. RESISTANCE AS 67. OPERATING TIME AT 12.0 O.019 SEC; RELEASS: 0.0 V AS 6.5 TO 7.5. DROP-0	O OHMS. MOMINAL V IS OPERATE: O7 SEC. PULL-IN	CG20229 SN RELAY, CURRENT SPOT. PULL IN AT 50 AM AT 15 AMPS. RESISTANCE OHMS. WINDING CONSIST #13 AHG.	OF COIL IS .0002
2/19/43 CSZ:L-15 C	CRV:M-440257-1 SUB 0	TO 3.5 5/19/43 CLR:1077-ABF SEPT 43	CHZ:RL-1002 REV A	9/29/43 CR2791-B-1000 NOV. 43	-35 CG:K44J-660 REV 0
CSZ 29215 -55ACX RELAY: OPEN TYPE, 5 POLE, DOUBLE NORMALLY OPEN, CONTACTS RA 110 V. 60 CYC. OPERATING C	TED 10 AMP AT	CAO 2022 SQ RELAY: SPST. CONTACTS RATED 11 COIL RATED 115/1/60 AND RESISTANCE.		29230 TBY-6.7, RELAY MULTI-CIRCUIT. ONE SPS AND 4 SPDT (MAXE AND 0.125 AMPS AT 3 VOLTS MININUM) CONTACTS RATE ON NON-INDUCTIVE LOAD.	T. MORMALLY CLOSES BRAKE). COLL RATES DC (2.1 VOLTS D 3 AMPS 150 WATT SAME AS -29156-A
	CRV:M-440257-2	7/14/43 CG:K47J732 SEPT 43	CG:#47J732 REV O	CRY: CAFA: 10/25/43 CRI:D-52529 PAR. 44 ALT. A	CRI:D-52529 REV CRI:D-52515 REV
CSZ 29216 -55ACX RELAY: OPEN TYPE, 6 POLE DOUBLE B NORMALLY OPEN, 3 POLES NOS CONTACTS RATED 10 AMP, 110 OPERATING COIL VOLTAGE IS	RMALLY CLOSED. D V, 60 CYC,	CGE 29223 SQ RELAY: SPST MIDGET TYPE. CONTA AMPS. 300 V DC. COIL RA CY. 1.14 AMPS MAXIMUM; NOMINAL: AND 4.5 V RMS,	TED: 8 YRMS, 60 6.3 VOLTS, 60 CY	EXCEPT FOR COIL AND CO	29230 NTACTS.
	CRY:M-440257-3 SUB 0	MINIMUM, 7/14/43 CGE#195 SEPT 43	CG:K44J945 REV 1		
CBM 29217 NJ-4 FUSE RELAY BOX: COUTAINS FUSES FOR INPUT A CUITS, STATTING RELAY, FIL IN THE DC INPUT CIRCUIT. S -29124 EXCEPT FUSED FOR 2	TER CAPACITORS SAME AS TYPE	CG-29224 SN RELAY: SPOT DOUBLE BREAK. CONT AMPS AT 115 V. 60 CY. AMPS DC AND DROP-OUT AT MUM. DC RESISTANCE OF C OHMS.	PULL-IN AT 15 5 AMPS DC MINI-	CAE 29231 MK 1. MC RELAY CONTACTOR TYPE. RATING VOLTS D.C. COIL RESIST	50 AMPS. COIL 12
	SK-4897 ALT 2	7/15/43 CG:CR27918100C SEPT 43	34 CG:K-44JI58 REV O	10/29/43 BUL-6041-H30A HAR. 44	CG:K-44J755 REV 1
CRR 29213 NXSS-2S012 RELAY UNIT; COMSISTS OF A STROMBERG CI RELAY AND 2. AEROYOX TYPE 400 V DC MORKING PAPER CAF FOR EMERGENCY OPERATION AS UNIT FOR ONE TRANSHITTER S	480 2 MFD. PACITORS. USED S'A CONTROL	CCQ 29225 MK-22 RELAY 4 PDT, 2.5 WATTS, 24 VO AMPS, COIL RESISTANCE I TACTS RATED 15 AMPS DC,	S 230 OHMS. COM-	CAO 23232 MX I. MO RELAY DPST NORMALLY OPEN. RA OPERATES 13V DC. NOMI RANGE 16V TO 10V DC. CO OHMS ± 10% AT 23°C.	NGE -40°C TO 70°C NAL. OPERATING
4/24/43 AUG. 44	AC60926C	8/30/43 BO-12-D-35 NOV. 43	CH: 3A-11755-5	10/29/43 #26509.57 NOV. 43	CG:K-52J280 REV 0
BC-640 AND ONE RECEIVER SI BC-639 OVER APPROX 2 NI. ( FIELD WIRE.		CGX 29226 MK-12 RELAY DPST NORMALLY OPEN. CDM AMP AT 115 VOLTS ACC. & D.C. THO COILS HAVE TOT OF 5000 OHMS ±7%. EACH VOLTS DC. 10MA AND .5 W 9/1/43 27-D-5000R-2A NOV. 45	.025 AMP. AT 125V AL DC RESISTANCE COIL RATED 50	CGX 29233 MK I, MO RELAY SPOT DOUBLE BREAK. TEM 70°C. POSITIVE CONTACT RATING 13 VOLTS, DC. SISTANCE NOT LESS THA CLOSED HATED 22 AMPS. 10/29/45 #27 NOV. 43	P. RANGE -40°C TO WITH 10V DC. COH NOMINAL COIL RE- N 70 OHMS. CONTAC AT 14V DC; CONTAC
CGE 20219 TCS-6 RELAT: SPST NORMALLY CLOSED. RATE NOMINAL 8.5 V MINIMUM OR I RECTIFIED 60 CY AC WITHOU HIDGET TYPE. COIL RESISTAI OHMS. 5/18/43 G-32930	UNFILTERED T BUZZING.	CACS 29227 GENERAL URELAY UNIT		COB-29234 MK 1. MC RELAY ONE POLE, 3 POSITION. TO 70°C. COIL RESISTAY COIL. COILS OPERATE IN DC.: CONTACTS MAKE/38C 14Y DC. MAX. CURR. DIF THO COILS OF 1.5 MA. C 10/29/43 AYLZ-2018 NOV. 43	TEMP. RANGE -40° ICE 4000 OMMS PER ICIRCUITS AT 500V AK AT .5 AMP. AT FERENTIAL IN THE IPERATES ARMATURE CG:K-44J658
	REV A EN RATED 8-14	MAR. 44  CGX- 29228 NX30-2058 RELAY 3PDT. SILVER CONTACTS R 90 VOLTS COIL RESISTANC PULL-IN CURRENT IS 0.02 TEMPERATURE RANGE IS -3	ATED 1/2 AMP, E IS 800 OHMS. AMPS DC. AMBIENT	AND MAKE POS. CONTACT: DIFFERENTIAL OF .25 MA	
	CHZ:RL-10D2	9/28/43 27-D-0201-3C NOV. 43	CG:X-44J774 REV 2 ASSIGNE		
DATE MANUFACTURER'S	MANUFACTURER'S	DATE MANUFACTURER'S DESIGNATION	SACANTACTYMES.	DATE MANUFACTURER'S DESIGNATION	MANUFACTIVATES.

MAYY TYPE FIRST ASSIGNED FOR OF STREET ASSIGNED	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION THAT ASSESSED FOR OR SPECIFICATION	DESIGNATION OR SPECIFICATION
CGE 29235 MK 1, MOD 2 RELAY SPST NORMALLY OPEN. COIL RATED 6.5V DC. ± 1.5V.: COIL RESISTANCE, 18 OHMS ± 1.8 OHMS. CONTACTS RATED .75 AMP. AT 14.5V. DC. CONTACTS MUST NITHSTAND 500V RMS, 60 CTCLES BREAKDOWN TEST.	CG-29240 UE-1 ATTENUATOR UNIT INPUT: 115/1/60. OUTPUT: 250 V DC AT 50 MA. CONTAINS: POWER SUPPLY, THO STAGES OF REMOTE SIGNAL ATTENUATOR, AND A GATE CONTROL TUBE.	CKU 29245 UE-T RELAY DPST NO. RELAY CLOSES AT 4.5 MILLIAMPS MAX, OPENS AT 1.5 MILLIAMPS MIN. COIL RESISTANCE 3000 OHMS. CONTACTS RATED 1/2 AMP. RESISTIVE AT 115 VOLTS AC.
10/29/43 SER, 195 CG:K-44J801 NOV. 43 REV 1	1/10/44 DL-4W407A FEB. 44	3/14/44 CKU:32505-39 CG:K-54J945 AUG. 44 REV O
CAU 29236 OBB  RELAY SPOT SINGLE BREAK, CONTACTS RATED 150 HATTS 3 AMP MAK, COIL 4520 TURNS OF #52 E MIRE, 125 OHMS ±54, NOMINAL OPERATING CURRENT 48 MA AT 649 DC, OPERATING TIME 0,04 TO 0.06 SEC., RELEASE, TIME 0.03 TO 0,04 SEC. COIL INSULATION TESTED AT 11/7/43 CAU:H-77302-1 CH2:302-110  MAR, 44	CSD 29241 QGC, QGD RELAY DPST SINGLE BREAK NORMALLY OPEN, COIL 605 OHMS DC RES RATED 115V 60 CYCLES, 92 MA MAX, ARMATURE OPEN; 54 MA MIN. ARMA- TURE CLOSED. CONTACT RATING I AMP 115V DC. 3 AMPS 220V 60 CYCLE, 6 AMPS 110V 60 CYCLE. 2/3/44 MIDGET TYPE 18XX CBM:746-338 FEB. 44 ALT 0	CN-29246 UF RELAY: POLARIZED. TELEGRAPH. MOUNTS IN RELAY SOCKET NAMY TYPE CM-49539. SPDT, STA- TIONARY CONTACTS. CONTACTS RATED 200 MA AT 270Y DC MAX. COIL CONSISTS OF 2 MIND- INGS IN PARALLEL. 136 OHMS ± 103 DC RES. EACH MINDING OPERATES ON NOT LESS THAM 4/4/44 D-163119A BA-101018 MAR. 45 ESS 2
500 V AC.	CBM- 29241-A NMC-1 RELAY DPST, DOUBLE BREAK, NORMALLY OPEH. CON- TACIS RATED 6 AMPS 115V AC. 1 AMP. 115V GO CYCLES; 5000 TURNS #38 WIRE; 605 OHMS	CW-29246 0.00125 AMPS. DC WITH WINDINGS CONNECTED IN SERIES.
	DC RES. SAME AS -29241 EXCEPT FOR MODI- 903H TYPE 746-345 5/12/45 18XX CBK:C-59 JUN. 45 COIL: "50A"9	
CHN 29237 . SO-5. RELAY SINGLE POLE CIRCUIT BREAKER. OVERLOAD CURVE 3.115V 4 AMPS 60 CYCLE MIN. TRIP 8 AMPS	CBM-29241-A FICATION TO 2 BREAKS PER CIRCUIT BY CBM.	CCQ- 29247 UF RELAY: COIL RATED 6.3V (5.5V PICKUP AND 7.5V MAX) 0.5 AMP AT 60 CPS, 18 OMMS IMPE- DANCE 635 TURNS #28 E WIRE, 5.5 OMMS DC RES. CONTACTS RATED 5 AMPS NISV AC, 0.1 AMP, 115V DC, 2 AMP. 24V OC CONSISTS SPOT.
11/10/43 P-0111 CRY:H-421644 NOV. 43 SUB 6		4/4/44 AS-3A6.3 KS-5819 FIG I MAR. 45 ISS 1
CCX 29238 SP RELAY, ELECTRICAL TIME DELAY 6 PST, 4 POLES NORMALLY OPEN, 1 HORMALLY CLOSED. CONTACTS RATED 10 AMPS AT 110V 60 CTC. MOTOR DRIVEN, MOTOR RATED 115/1/60. TEN SECONDS ± 1 SEC AFTER BEING ENERGIZED 4 POLES NORMALLY OPEN, CLOSE AND 1 POLE NORMALLY CLOSED OPENS. 12/13/43 CC:K-54J187 AUG. 44 REY 3	CSD 29242 QGC,QGD RELAY DPDT COIL 605 OHMS DC RES. RATED 115V 60 CYCLE, 92 MA MAX, ARMATURE OPEN; 54 MA MIN ARMATURE CLOSED. CONTACT RATING 1 AMP 115V DC. 3 AMP 220V 60 CYCLE, 6 AMPS 110V 60 CYCLE. 2/3/44 MIDGET TYPE 1XBX CBM:746-43 FEB. 44	CRY- 29248 FOR USE WITH QCQ-2 BDI ADAPTER: ADAPTS QCQ-2 EQUIPMENT TO BEARING DIVI- ATION INDICATORS. ACTING AS A KEYING RELAY FOR QCQ-2 EQUIPMENT. CONSISTS OF A 6H6 TUBE FOR TRIGGERING A 2050 RECTIFIER TUBE, ISOLATING TRANSFORMER RELAY, ROTARY 4/23/44 HI-16771 W-507078 JULY 44 REY O
CCx29238  UNIT SHALL RESET IO SECONDS ± 1 SEC AFTER OPENING CONTROL CIRCUIT.	CAU 29243 JR RELAY DEST MAKE NORMALLY OPEN. COIL 2500 OHMS DC RES. OPERATES FROM 7 TO 50 MILLIAMPS, 18-22 1/2 VOLTS. CONTACTS RATED 25 WATTS 1/2 AMP INDUCTIVE LOAD. HERMETICALLY SEALED, 12" PIGTAIL LEADS.	CRY- 29248 SHITCH AND ASSOCIATED CAPACITORS AND RESISTORS. SUPPLY: 115/1/60 25 HATTS. NXSr-44595
	2/23/44 CAU:H-77342-I5 CAU:ES-76-9349 HAY 44 ISSUE 1	
CGX 29239 SP RELAY DPDT CONT. OUTT CYCLE. OPERATES AT 9 MA OR LESS. RETURNS TO NORMAL AT 1 HILIAMP. COIL RES., 500 OHMS. CAN CARRY 12 MA DC FOR DUTY CYCLE MITHOUT OYER-HEATING. CONTACTS HAVE RATING FOR LOW VOLTAGE HIGH IMPEDANCE CIRCUITS. CONTACTS TO 12/28/43 27-D0091-2C-12950 CG:K-54J214 FEB. 44 REV 0	CW-29244 AN/ART-2 RELAY SPOT PLUS SHORTING SWITCH, NORMALLY OPEN, ENERGIZED CLOSED. CONTACTS AND SPACING SUITABLE FOR RF: 500 VOLTS (120V PEAK) AT 0.1 AMP. (AVERAGE) TO 50 VOLTS (120V PEAK) AT 1.0 AMP (AVERAGE) UP TO 50,000 FEET AS USED IN MODEL AN/ART-2. RELAY 3/14/44 CM:7735-2-E FEB. 45	CBH- 29249 SU  RELAY UNIT:  DPST NORMALLY CLOSED. HOUSED IN 4 1/4" X 4 3/8" X 6 1/4" BOX WITH SUITABLE MTG  BRACKETS AND A JUNCTION BOX. UNIT IN- CLUDES (CLR) #6105 RELAY POWERED BY 115V  AC, 60 CYCLE, SINGLE PHASE, & CONTROLS  APPROX. 200 MATTS OF POWER DRAWN FROM 6/13/44 CBM:1017 SK-6240  AUG, 44 ALT 0
CGX 29239 WITHSTAND 500V RMS 60 CYCLE BREAKDOWN TEST FOR I HINUTE.	CW-29244  WILL OPERATE AT 18V DC IN ANY POSITION; ENERGIZING CURRENT 0.1 AMP. AT 18V DC TO 0.185 AMP. AT 29.15V DC; COIL RESISTANCE 175 OHMS. OUTSIDE DIMENSIONS 2 5/16" X 1 3/8" X 1 3/4".	CEM-29249 EITHER 115 VOLTS AC OR 115 VOLTS DC SHIP'S LINE POWER.

DATE	MANUFACTURER'S DESIGNATION	MANNIAGTHURSE.		DATE	HOLES'S	<b>ETANITSAIKIKKA</b>		DATE	MANUFACTURER'S DESIGNATION	MANYIACTURE	3
			ISSUED				ISSUED				
			ASSIGNED				ASSIGNED				
								1 -			

DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SYL-OFICE TON	DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING OR SPECIFICATION
CLR- 29250 AN/APA-17	CHN- 29256 UE-1	CG-29262 NK 20 MOD 2
RELAY: FOR DEVELOPING MECHANICAL MOTION FROM ELECTRO-MAGNETIC COIL ACTION. COIL RATED 24V DC: 1600 DC: 194 MA MAX AT 31V DC; 112 MA MÅN AT 18V DC; 150 MA AT 24V DC- MADE WITHOUT CONTACTS. NO CONTACT RATING.	CIRCUIT BREAKER: SINGLE POLE. NORMALLY CLOSED. AMBIENT TEMP. RANGE (-40°C TO +75°C). CONTACTS RATED TO BREAK 115V AC. TRIP TIME AT 10 AMPS./12.5 AMPS/20 AMPS/30 AMPS/100 AMPS	CG-29262 MK 20 MOD 2  RELAY: SPST, NORMALLY OPEN. CONTACTS RATED 25  AMPS AT 26V DC, 25 AMPS AT 115V AC, AND 2,5 AMPS AT 115V DC, COIL RATED: 26V DC, 0.25 AMP DC, 138 OHYS DC RESISTANCE.
7/13/44 1,000-A CLR:LC-3098 AUG. 44 355D COJL REV A	IS CONTINUOUS HOLE/ 1.58 SEC TO 7.44 SEC/ 0.51 SEC TO 0.8 SEC/0.13 SEC IO 0.35 SEC/ 7/20/44 -0411 CG: K-54J677 AUG. 44 REV I	MIN OPERATE 20 VOLTS DC MAX. OPERATE 29 VOLTS DC. TIME DELAY (SLOW RELEASE) 0.4 7/31/44 CR-2790 CH:KS-15068 EBB. 45 LIST 01 ISS I
CAOX- 29251 HAE-1	сни- 202561	cg-29262
RELAY:  RELAY OPERATES AT 0.3 AMPS. MAX. AT 6V DC HAS ONE SET SPDT, ONE SET OF SPST NORMAL- LY OPEN. AND ONE SET OF SPST NORMALLY CLOSED CONTACTS. CONTACT RATING: 5.0 AMPS. AT 220V AC OR DC.	INSTANTAMEOUS.	SEC. BETHEEN DISCOMMENTING OPERATING CURRENT AND OPENING OF CONTACTS.
7/14/44 R-30E CKV:L-21446-1 AUG. 44 REV 1		
ccq- 29252 MK 13	cG-29257 sc-4	CRY- 29263 MK 31 MOD 0
RELAY: DPDT COIL RATED 115V, 60~. 070 AMPS MAX. 2000Ω IMPEDANCE, 685Ω DC RESISTANCE, PICKUP COIL 103V AC, MAX. COIL VOLTAGE 127V AC; CONTACTS 5 AMPS AT 115V AC, 0.1 AMPS AT 115V DC. 2 AMPS AT 24V DC.	RELAY: DPDT SINGLE BREAK. CONTACTS RATED 12 AMPS, CONTINUOUS. INTERRUPTING RATING OF CONTACTS: NON-110. 125 VOLTS DC. 3.0 AMPS NON-1ND 115 VOLTS AC. 30.0 AMPS 14D. 115 VOLTS AC. 20.0 AMPS 14D. 125 VOLTS DC.	RELAY: DPOT COIL RATED 22.0V DC MIN 28.5 VOLTS DC MAX. FOR OPERATION, APPROX. 500025% D RES. CONTACTS 18 GA. MALLABIJM HATED 2 AMPS, 100 WATTS. OPERATES IN AMBIENT TEMPERATURE OF -0°C MIN 7003C MAX.
7/14/44 BJC-6A-115 CW:KS-5819 LIST 0: AUG. 44 ISSUE 1	1.0 AMPS. COIL RATED 115V AC + 10%. 7/25/44 12HGA 15 FIN P-7763925-1 AUG. 44 REV 2	7/31/44 D-8038 TYPE K CW:8A-10059-6
CLR- 29253 AN/APA-17	YG-29258 SC-4	CRY- 29264 MK 31 MOD 0
RELAT: 2 PDT COIL RATED 24V DC. 1600 DC RESIST- ANCE. MAX RATING 194 MA. AT 31V DC. MIN 112 MA AT 18V DC. CONTACTS RATED 10 AMPS AT 24V DC OR LESS, 32 AMPS AT 110V DC. 6 AMPS 110V 60~.	RELAY OVERCURRENT, INSTANTAMEOUS TRIP HAND AND ELECTRICAL RESET. ONE NORMALLY OPEN AND ONE NORMALLY CLOSED CIRCUIT. OPERAT- ING COIL 4 AMPS. CONTINUOUS, CALIBRATED 3-4-6 AMPS. CONTACTS SINGLE BREAK CON-	RELAY:  DPDT COIL RATED 22.09 DC 28.59 DC MAX.  FOR OPERATION, 300 CHMS 155 DC  RES, CONTACTS 14 GA PALLAOTUM RATED 4  AMPS 175 WATTS. WILL OPERATE IN AMBIENT
7/15/44 1077-BFW CLR:LC2037 AUG. 44 355D COIL REV 1	TINUOUS RATING OF 5 AMPS. INTERRUPTING 7/25/44 12PBC14B2N P-77G4071-3 AUG. 44 REV. 6	TEMPERATURE OF -40°C MIN +70°C MAX.  7/31/44 A-8052 TYPE K CH:8A-10059-8 AUG. 44 ISSUE 9
CAO- 29254 MK 8 MOD 2 SOLEMOID: PULL TYPE, CONSISTING OF SIMBLE OPERAT- ING COIL, A LANINATED CORE AND A MAURET- IC FIELD STRUCTURE. COIL RATED AT 110 VOLTS, 60 CYCLES, INITIAL CURRENT 15.0 AMPS, SEALED CURRENT 1.2 AMPS, PLUNGER MAS MAX. STROKE OF 1 1/4". PULL AT MIN 7/17/44 SIZE 5 CH:KS-5932 LIST 0: AUG. 44 ISS 1 APP I	CG- 29258 CAPACITY OF CONTACTS AT 125 VOLTS HON-INDUCTIVE TO AMPS AC AND 1,0 AMPS DC.	CLR- 29255 MK 31 MOD 0  RELAY: 4 PST. 2 SETS NORMALLY OPEN. 1 SET MOR- MALLY CLOSED CONTACTS. SILVER PLATEO, RATED 6 AMPS 115 VOLTS AC. 1 SET MORMAL- LY OPEN CONTACTS SILVER PLATED, RATED 2  AMPS 115V AC. COIL MATED 249 OC. 265  OHMS DC RESISTANCE. 1 1/2 MATTS. 7731/44 2059 Ch:3A-10012-3  AUG. 44 ISSUE 4
VOLTAGE IS 7.5 LBS COIL MAS 2 SECTIONS. #1 OF 330 TURNS OF HISEC MIRE. AND #2 OF 165 TURNS OF HISEC MIRE 2.1 OMM DC RES. SIMILAR TO NAVY TYPE -29203.	CCQ- 29259 HK 20 MOO 1  RELAY: 2 POT, CONTACTS RATED 10 AMPS. 9 115V AC OR 24V DC. 0.5 AMPS @ 115V DC. COIL  RATED 26V DC. 0.15 AMP, 2300 DC RESIST- ANCE, MIN. OPERATE 18±.5V DC. MAX. OP- ERATE 28V DC.  7/31/44 B06035 CM:KS-5910	CLR- 29256 AN/APA-17  RELAY: 2 POT. NO. OF BREAKS PER CIRCUIT IS 1. VOLTAGE RATING 18 TO 28V DC. COIL CUR- RENT 162 MA AT 26V DC. RELAY TO OPERATE ON 75% OF RATED VOLTAGE. COIL #355-0; 3420 TURNS. #33 E MIRE. 160 OHMS DC RES. AT 20° TO 30°C. 8/1/44 1087-MB LC-2134
	AUG. 44 LIST 04 ISS 2	NOV. 44
CBM- 29255 NXST-56805 KEYING RELAY ASSEMBLY: CONSISTS OF ONE RELAY (CBM TYPE 1000Z-15, DPDT, COIL RATED 75 VOLTS DC, "CONTACT RATING 15 ARPS. 110 VOLTS AC, NITH SPST KEYING CONTACTS): MOUNTED ON A RELAY PLUG PANEL CONTAINING 9 BRANAN TYPE PLUCS THE RELAY SUBSING 100Z-15 OR 746-11 IS	CCQ- 29260 MK 20 MOD 1 RELAY: 3 POT. CONTACTS RATED 10 AMPS. © 115V AC OR 24V DC. 0.5 AMP © 115V DC. COLL RATED 26V DC. 0.2 AMP. 160Ω DC RESISTANCE MIN. OPERATE 20V DC. MAX. OPERATE 28V DC.	CSQ- 29267 AN/ARQ-10 RELAY, THERMAL 10 AMP. NON-TRIP-FREE, THERMAL TYPE. RATING FOR SOV DC SERVICE, UNITS MAY BE USED ON 110-220V AC 1F RUPTURING CAP- ACITY REQUIREMENTS ARE LIMITED. 200 HR. SALT SPRAY TEST ACCORDING TO AN-OQ-S-91.
7/19/44 C8M:769-3043 C8M:769-3043 AUG. 44	7/31/44 B09034 CM:KS-5910 AUG. 44 LIST 11 ISS 2	8/2/44 C6363-2-10 NCP109-3B-17 NOV. 44 REV 8
CBM- 29255 AESO ADVANCE ELECTRIC 400-18.	CCQ- 29261 MK 20 MOD 1 RELAY: APDT. CONTACTS RATED 10 AMPS @ 115V AC OR 24V DC. 0.5 AMP @ 115V DC. COIL RATED 26V DC. 0.2 AMP. 1600 DC RESISTANCE MIN. OPERATE 20V DC. MAX. OPERATE 28V DC.	CSQ- 29268 AH/ARQ-10 RELAY, THERMAL; 8 AMP. NON-TRIPFFREE, THERMAL TYPE. RATING FOR 30Y DC SERVICE. UNITS MAY BE USED ON 110-220Y AC IF RUPFURING CAPACITY REQUIREMENTS ARE LIMITED. 200 HR. SALT SPRAY TEST ACCORDING TO AN-OQ- S-91.
ASARAKEA Geneza	7/31/44 B012034 CH:KS-5910 AUG. 44 LIST 14 ISS 2 ASSIGNED 153UED	8/2/44 C6363-2-8 NCP109-3B-16 NOV. 44 REV B
DATE "SENGATIVAN": MANUACTUMES	DATE PANTAGANA STANTAGANA BY BAD	DATE MANUFACTURES'S MACHINETURES

8/11/44 270-24V-2C CFT:NL-28380-2H OCT, 44 ISSUE H ASSIGNED ISSUED	8/30/44 1024-B OCT. 44 ASSIGN	
8/11/44 270-24V-2C CFT:NL-28380-2H		
		POLE PIECE WILL ATTRACT ARMATURE AT 8 NA AS CURRENT IS INCREASED FROM 0 TO
300y DC.	CYCLE, CONTACT RATING: 4 AMPS AT 115 VOLTS AC, RESISTANCE 10,000 OHMS.	50-70 CPS. 5000 OHMS ± 10% DC RESISTAN
RESISTANCE 440 OHMS ±7% AT 25°C. CONTACT RATING .06A DC AT 300V DC AND .03A DC AT	CLOSED, CURRENT 15M.A.D.C., CONTINUOUS	DPST. ONE NORMALLY OPEN. ONE NORMALLY CLOSED. CONTACTS RATED 0.1 AMP. 115V.
RELAY DPDT. COIL RATED 24V DC MAX 30V DC COIL	RELAY: IDPST, NORMALLY OPEN, ISPST NORMALLY	RELAY DC:
CGX 29274 AN/ARQ-10	CLR- 29282 ASA-1	CARE-29289 OCB
	OCT. 44	NOV. 44
8/9/44 TSL-CAA CANU:S-660-4	8/30/44 5051-CR-G17	CYCLES 115 VOLTS. 10/2/44 CX5127 CHZ:RL-1007
CURRENT RATING 80 MA AT 12V OC.		VERTICAL, CONTACTS UP, POWER CONSUMP! 4.2 WATTS MAX, WHEN OPERATED AT 60
TO OPERATE BETWEEN 8.5 TO 15 VOLTS DC.	65 AMPS, RESISTANCE 100 OHMS.	IMUM OF 95 VOLTS. 60 CYCLES HITH RELA
CONTACTS, RATED 1 AMP AT 24V DC. COLL RATED 12V DC. 1 WATT, 150 OHMS. TO	SPST, NORMALLY OPEN, ENGLOSED MAIN CON-STACT, CONTACT RATINGS: 20-29 VOLTS D.C.,	SPOT, OGUBLE BREAK NORMALLY OPEN, CO: RATED 115 VOLTS AC. CPERATED ON A MIN
CONSISTS OF I SPOT AND THO SPST SETS OF	RELAY:	RELAY:
CCQ 29273 CANU-23423	CLR- 29231 ASA-1	(CSD- 29288 CASQ-66AFU-1
	OCT. 44	FEB. 45 ISSUE 12
8/7/44 1175 OCT. 44	8/30/44 5050-ECR	VOLTS DC. 9/29/44 1025-SNBF CW:5SA-68294
SAME AS -29179 EXCEPT CONTACTS ARE NORMALLY CLOSED INSTEAD OF NORMALLY OPEN.	발하는 사람들은 그렇게 하는 것 같다.	OPERATE. 5300 TURNS OF #35 E WIRE. 42 DC RESISTANCE. RATED 0.061 AMPS AT 26
#36 EN WIRE, 530 OHMS DC RESISTANCE. See 18	OPEN.	MINIMUM OPERATE, 28.5 VOLTS DC MAXIMU
INCLUDES CERAMIC BASE BUT NO MOUNTING BRACKET. COIL CONSISTS OF 5500 IURNS OF	CONTACT RATINGS: 24 VOLTS D.C., 124 AMPS. RESISTANCE 100 OHMS, SPST, NORMALLY	DEST. NORMALLY CLOSED, CONTACTS RATED 0.055 AMP. COLL RATED 22 VOLTS OC
RELAY DPST, NORMALLY CLOSED. 115/1/60. 6 VA.	RELAY:	CLR 29237 MK 20 MOD I RELAY
CLR 29272 CH-211103-A	CLR- 29280 ASA-1	20207
	OCT. 44	
	8/30/44 1054	#36GA E WIRE.
그 사용하게 보호하지만 모양 용상		SECTIONS. SECTION 1 HAS 550 TURNS OF #27GA E WIRE, SECTION 2 HAS 1800 TURN
	RESISTANCE 265 OHMS.	AT 27 1/29 DC., 7 1/20 START, 2500 HB
1000 1000 1000 1000 1000 1000 1000 100	DEST, NORMALLY OPEN, CONTACT RATINGS 6 AMPS 115 VOLTS AC. CONTINUOUS CYCLE,	SPRING ASSOCIATED WITH THE UNIT, RATE
FOR TERMINAL CONNECTIONS.	RELAY:	CP323286 HAL POSITION BY MEANS OF AN EXTERNAL
CASK- 29271	CLR- 29279 ASA-1	
FEB. 45	OCT. 44	8/31/44 324 BTL:KS-15073 OCT, 44 CANCELLED ISSUE 1
8/2/44 24030-10A CFT: NCP28-1-52	8/30/44 10,77B-BF	GIZED THE CORE IS RETURNED TO ITS NOR
30±10 SECONDS AT 25°C. 20-45 SECONDS AT ANY TEMP. SIMILAR TO CAGK-29403, EXCEPT	· · · · · · · · · · · · · · · · · · ·	WHILE CORE IS FREE TO ROTATE 30" WHEN COIL IS ENERGIZED. WHEN COIL IS DEENE
RELAY CLOSES ON 19V MINIMUM, TIME DELAY	NORMALLY CLOSED. COIL RESISTANCE. 250 OHMS.	MAGNETIC FIELD STRUCTURE IS STATIONAR
TUBE ENVELOPE. ACTION OF THERMAL TIME. DELAY TYPE. HEATER RATED 24V DC NOMINAL.	CONTACT RATINGS 2 AMPS AT 115V AC. COM- THRUOUS CYCLE. COMFACTS: IDPOT AND ISPST	CONSISTS OF A SINGLE OPERATING COIL, CORE, AND A MAGNETIC FIELD STRUCTURE.
RELAY-THERMAL TIME DELAY: SPST NO. HERMETICALLY SEALED IN VACUUM	RELAY:	SOLENGID, ROTARY:
CAGK- 29271 AN/ARG-10	CLR- 29278 ASA-1	CP3- 29286 ST
	OCT. 44	OCT. 44
그 그 그는 이번 모양된 가족을 받아	8/30/44 1024	8/30/44   160! - MX
		TANCE 265 OWNS.
	20 - 28.6 DC. DUTY CYCLE CONTINUOUS.	D.C., COIL VOLTS 20-28.6 D.C., RESIS-
	OPST. NORMALLY OPEN CONTACT RATINGS: 4 AMPS AT 1.15 VOLTS D.C., COIL VOLTS	SPST, OOUBLE BREAK. CONTINUOUS CYCLE.
EVIDENCE OF CORROSION 100 W UP TO 125V.	CLR- 29277 ASA-1 RELAY:	CLR 29285 ASA-1 RELAY:
CRY- 20270	CLR+ 29277 ACA-1	0005
NOV. 44	OCT. 44	8730744 1074 OCT- 44
8/2/44 SK-5010 CFT:HL28809-2	8/30/44 223C54C	8/30/44 1074
THREE HOUR SALT SPRAY OR NOT EXCEEDING 2 AMPS TEST ACC TO AN-QO-S-91 WITHOUT		
METAL PARTS TO BE FINISHED TO PASS A	2 5/8 X 2 5/8 X 1 9/16.	VOLTS 20-28.6. RESISTANCE 250 OHMS.
IN TYPE, DPDT. RATED COIL 24-50V DC 300 OHMS, CONTACTS RATED: 400V DC AT 10 MA.	CONTACT RATING 2 AMPS AT 110 VOLTS DC. COLL DC RESISTANCE 270 OHMS. DIMENSIONS:	DPST. NORMALLY OPEN, CONTINUOUS CYCLE CONTACT RATINGS: 2 AMPS, 115 AC. COIL
RELAY: HERMETICALLY SEALED - OCTAL BASE - PLUG-	RELAY:	CLR- 29284 ASA-1
CRY- 29270 AN/ARQ-10	CKU 29276 ASA-1	0.0-20294
	OCT. 44 REV O	OCT. 44
8/2/44 27-D-24V-2A CFT:nL27840-2 NOV. 44 SPEC #12890 REV G	8/18/44 AH-2511 CG:K-56J963	8/30/44 1018
OUT DO; TO ARES (A) 123Y AC.	TRIPS AT. CONT. HOLD, 55 ±20, 12 6, 4 ±2, INSTANTANEOUS, SECONDS.	20-28.6 DC, RESISTANCE 265 OHMS.
DC 350 OHMS. CONTACTS RATED 10 AMPS (a) 30Y DC: 10 AMPS (a) 125Y AC.	DPST COIL RATED 65 ANP. 115V, 50-60 CYCLES AT 65. 81.25, 130, 145; 650 AMPS	SPDT, CONTINUOUS CYCLE, CONTACT RATING 3 AMPS AT 28 VOLTS DC, COIL VOLTAGE
RELAY: DPST, NORMALLY OPEN, COIL RATED: 24-30V	OVERLOAD RELAY	RELAY:
CGX- 29269 AN/ARQ-10	CHN 29275 UE-1	CLR- 29283 ASA-1
an aretricking	OK SPECIFICATION	DESIGNATION OR SPECIFICATION
HAYY TYPE FIRST ASSIGNED FOR MAYY DRAWING	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION

							•
NAVY TYPE DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	DES	AVY TYPE	FIRST ASSIGNED FO	OR NAVY DRAWING
CARE- 202 MA AND RELEASE ARMATURE AT 3 MA AS CURENT IS REDUCED FROM 10 MA TO 0.		s.	CAY- 20203	R 3 N	ELAY, PL PST N.O OH-INDGO	D. CONTACTS R Difve. COIL R	ATED 115V AC 4 A ATED 120V AC. 60 4000 TURNS 34 G
				F	ORMEX CO	OPPER WIRE. 2 ITS OCTAL STY	14 OHMS DC RESIS
					0/24/44 OV. 44		APP 1 CH:ESL-657
CAY- 29290 THE CONTACTOR:	CAY- 292				AY- 293		•
4 PST, NORMALLY OPEN, CONTACTOR INCLESPOT INTERLOCK, 2 IMERMAL OVERLOAD RELAYS AND 2 HEATERS. COIL RATED 240 VC 50 CYCLES, CONSISTS OF 3600 TURNS #32 WIRE, 253 OHMS DC RESISTANCE. CONTINU DUTY, CONTACT RATINGS: 25 AMPS 600 VC	E- 3 F5 1 STN DLTS RATED 115 2 OF #34 W1 DOUS 630 OHMS	GLE BREAK NORM ED 0.5 AMP., 2 V DC, 0.061 AM RE DC RESISTAN	ALLY CLOSED CON- OCO VOLTS. COIL PS, 13.200 TURNS CE. 850 OHMS MAX INTERMITTENT.30	DI R: R:	ATED 115 ATED 5 A 29063 EX	LE BREAK NOR VOLTS. 25 C MPS. AT 220 (CEPT FOR COI	MALLY OPEN. COIL YCLES. CONTACTS YOLTS AC. SAME A L RATING. USES S SISTANCE OF COIL
10/19/44 DN-130 CAY-76091570 NOV. 44 REV. 8			CAT:T-7604741 REV. 45		0/26/44 EC. 44	DS:S#1264018	A 9-A-3882 LINE 3 REV 5
CAY- 2929	665 2929						CAY 2930
20 200000000000000000000000000000000000	RATED 440 E WIRE. W	ITH 230 OHHS D	O TURNS OF #32 G C RESISTANCE AND ALED CURRENT IS	A 3:		VERAGE, 36.7 MIN. AT 25°	OHMS MAX'. AND
	0.3 AMPS. Min. Volt	MAX. STROKE 3.	/4". PULL AT 350 LESS THAN 36 OZ.				
	10/24/44	CW:KS-5970 L-0 CGE:G-36465					
CAY- 29291 TOE CONTACTOR: 4 PST. NORMALLY OPEN CONTACTOR INCLUD SPOT INTERLOCK, 2 THERMAL OVERLOAD RE LAYS & 2 HEATERS. COIL RATED 100 VOL	- CLOSED IN	EMBLY: OF A MAVY TYPE I A MODIFIED NA	-29297 RELAY EN VY TYPE V-S 125	- SI	ONTACTOR PST MAIN PST AUXL	HARY CONTACT	H 2 INTERLOCKING S. NORMALLY OPEN
60 CYCLES. CONSISTS OF 1250 TURNS, #2 MIRE 35.6 DHMS DC RESISTANCE CONTINUO DUTY. CONTACT RATINGS: 25 AMPS, 600 10/19/44 D.N130 CAY-7609157G NOY. 44 REV. 8	8 US			A S	ND CARRY ELAY VAR OIL RATI O/26/44	7 300 AMPS CO HABLE 0.5 TO NG: 230 TO 2 AT-25/815890	OO AMPS DC MAX. ATTINUOUSLY. TIME 6 SECOIDS. MAIN 50 VOLTS DC. INTI CAY:24-J-933P7 REV C :7.M-9D
CAY- 2929	000 272	9 <b>7</b> Jī					CAY- 2930
TOLIS AC AND DE CONTINUOUS.		CONTACTS RATE D 120V DC.	D 250V DC 30 AMP	S T	INUQUS. IRE; 980 Zing coi	MAIN COIL 96 OHMS DC RES	COIL 32V DC CON 20 TURMS #32 CU . AT 25°C. HEUTR. #32 CU HIRS; 23
	10/24/44 NOV• 44	8HXX6	CAT.				
CAY- 29292 TDE	cry- 292	98 QJB		C	AY- 293	03 TBK-9	
CONTACTOR: 4 PST NORMALLY OPEN CONTACTOR, INCLUD SPOT INTERLOCK, 2 THERMAL OVERLOAD RE LAYS, AND 2 HEATERS, COIL RATED 100 VOLTS, 60 CYCLES, CONSISTS OF 1250 TU #28 NIRE 35.6 OHMS DC RESISTANCE CON- TINUOUS DUTY, CONTACT RATINGS: 25 AMP	RELAY, PL ES DPDT CONT NON-INDUC CPS, APPR RNS FORMEX C TANCE. FI	UG (1: Tacts rated at Citye, coll rat ROX 0.1 AMPS. 4 COPPER WIRE, 21 ITS OCTAL STYLE		C ( S F A ( ) 12 - M ( ) 3 (	ONTACTOR PST MAIN UXLIARY NTERLOCK ILL CLOS DO AMPS	CONTACTS NOR NORMALLY OPE 500 AMPS DECONTINUOUSLY	4 2 INTERLOCK SPE MALLY CLOSED ONE EN. CONTACT RATIO C MAX. AND CARRY . TIME DELAY VAR
10/19/44 DN-130 CAY-7609157G NOV. 44 REV. 8	3 10/24/44		KS-9530 ISS 1 2 CW:ESL-65768	0 . 10	26/44	AT22S#103296	DIL RATING MAIN 2 CAY:24-J-933P: 1 REV. O 17-K-90
CAY-2929 600 VOLTS AC AND DC CONTINUOUS. SAME -29291 EXCEPT FOR THERNAL CYERLOAD RE LAYS AND HEATERS.	AS RELAY PLU TWO SETS TACTS RAT	JG 14: OF CUNTACT SPR TED AT 115V AC.	HNGS (1) SPOT CO . 1 AMP NON- IN- ISV AC; 4 AMPS,	(원 - 1일 A 1	600 TURN T 25°C.	S #32 CU NIR	CAY- 2930; DC. INTERMITTEN E; 980 OHNS DC RE COIL 32V DC. CON 2 CU WIRE; 230
	NON-INDU CH:KS-9! ISS. 4 10/24/44	CTIVE. COIL RA) 531 ISS 1 APP 2	ED 120V DC. AP- CW:ESL-657680 ☆SEE ABOVE			ES AT 25°C.	2 00 mine, 230
CAY- 29293 TOE CONTACTOR: 4 PST, NORMALLY OPEN CONTACTOR, INCLU SPOT INTERLOCK, 2 THERMAL OVERLOAD RE LAYS AND 2 HEATERS, COIL RATED 600 VO	DES WIRE, 500 OCTAL STY OLTS,	24 AMPS. 25630 00 OHMS DC RESI TLE SOCKET.	CRY-29299 TURNS OF #40 GA STANCE. FITS	E CC SF T/	DHTACTOR PST MAIN ACTS NOR ILL CLOS	MALLY OPEN. ( E 500 AMPS DE	INTERLOCK SPST CO CONTACT RATINGS D MAX. AND CARRY
60 CYCLEG. CONSISTS OF 7400 TURNS, #3 MIRE 1235 OHNS DC RESISTANCE. CONTACT RATINGS: 25 AMPS 600 VOLTS AC & DC 10/19/44 DN-130 CAY-76091570 NOV. 44 REY. 8	2 ASSIGNED			30 A8 C0 10	00 AHPS BLE 0.5 DIL: 115 D/27/44	CONTINUOUSLY. TO 6 SECS. CO +125Y DC INTE	TIME DELAY VAR DIL RATINGS MAIN ERMITTENT 4900 CAY:24-J-932P7
DATE MANUFACTHREE'S MANUFACTURER'S	ISSUED DAYE	MANUFACTURER'S DESIGNATION	MANUFACTURES.	SSUED	ATE	MANUFACTURER'S	ASTRUT STRUCKS

Corr. 29304   Table	DESIGNATION FIRST ASSIGNED FOR MANY BRAVING	HAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION		MAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING
Sect 10 a.s.   Section								
Control of the cont	CAY- 29304			CCY- 20308	·		4 707 11	
### ### ### ### ### ### ### ### ### ##		0.65 10 0.5	SECONDS OVER				4 18K-11	
SPAING FIRST (1985   1975								*********
Car- 23305   Tar-1   Car- 23307   Tar-1   Car- 23305   Tar-1   Car- 23307   Tar-1   Car- 23								
CAT 20305 TREAT  CAT 20306 TREAT  CAT 20307 TREAT  CAT 20308 TREAT  CAT 20	OHNS DC RES. AT 25° C.	01 11 11 12 12 11						
CAT- 29305 TBN-8  CORRECTION CONTROL TREATMENT CONTROL CONTROL TREATMENT CONTROL TO CAT- 29309 TBN-11  CAT- 29305 TBN-8  CORRECTION CONTROL TREATMENT CONTROL CONTROL								
CAY-29305 TEX-9 CONTACTOR (TIME DILAY) SPET MAIN CLINICAL STREET CONTACT MAINTENANCE SPET CONTACT MAINTENANCE SPET MAIN CLINICAL SPET MAIN CLINICA								
CAT- 29305 TBK-9  CAT- 29305 TBK-9  CAT- 29306 TBK-11  CAT- 29306 TBK-12  CAT- 29306 TBK-13  CAT- 29306 TBK-13  CAT- 29306 TBK-14  CAT- 29306 TBK-14  CAT- 29306 TBK-14  CAT- 29306 TBK-15  CAT- 29307 TBK-15  CAT- 29307 TBK-15  CAT- 29308 CAT- 29307 TBK-15  CAT- 29308 CAT- 29307 TBK-15  CAT- 29308 CAT- 29308 CAT- 29308 CAT- 29308 CAT- 29308 CAT- 29308 CAT			A 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
CAY- 23305 TOK-9 CONTACTOR CHING CHAN TOKEN CONTACTOR CHING CHAN TOKEN CONTACT NORMALLY STATEMENT CHING CHAN TOKEN CONTACT NORMALLY STATEMENT CHING CHAN TOKEN CONTACT NORMALLY STATEMENT CHING CHAN TOKEN AND ASSOCIATION STATEMENT CHING CHAN TOKEN AND ASSOCIATION CHILD TOKEN CAY- 23305 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23316 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23316 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23316 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23316 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23316 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23316 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23316 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23316 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23317 COLL 15 TO 1309 OF LITTERFITTEN 400 CAY- 23316 CAY- 23317 CAY- 23318 CAY- 23317 CAY- 23318 CAY-								32-J-682
CAY - 29305 TEX-1  SET MIN COUNCIL : UNITEDIORS SET COM- SET								REV 7
CAT- 29305  TAKE- 1 OF THE SELLY TOOKS OF THE CONTROL OF THE CAT- 29305  TOO AFT CONTROL COSTACT FAILURS  TOO AFT CONTROL COSTACT FAILURS  TOO AFT CONTROL COSTACT FAILURS  THE COSTACT SUBMALLY COSTS OF THE CAT- 29305  THE COSTACT SUBMALLY COSTS OF THE COSTACT SUBMALLY COS							•	
CAT- 29306 TEK-13  CAT- 29306 TEK-14  CAT- 29306 TEK-14  CAT- 29306 TEK-14  CAT- 29306 TEK-14  CAT- 29306 TEK-15  CAT- 29306 TEK-15  CAT- 29307 TEK-15  CAT- 29306 TEK-15  CAT- 29306 TEK-16  CAT- 29307 TEK-16  CAT- 29306 TEK-16  CAT- 29307 TEK-16  CAT- 29307 TEK-16  CAT- 29308 TE	CAY- 23305 TBK-9	CAY- 29300	TRK-11					
### ALTO COLL 10 INTERIOR SPET COL- CONTACT NOTACL COLL TO STATE COLL CONTACT NOTACL COLL TO STATE COLL TO STATE COLL TO STATE COLL TO STATE COLL TO STATE COLL COLL TO STATE COLL COLL TO STATE COLL COLL								CAY - 29314
Tacts,   Content   Conte				NIIAI RESET.		2750 TURNS	#31 EN. CU WI	RE. 145 OHMS OC
CONTACT AGRACLEY PORCE. COSTACT ASSISTS.  COLLEGE AGRACLES AGRACE ASSISTS.  AND AND CONTRODUCTOR. THE OLIVE YEAR.  ALL O, 10 6 SECS. DOIL BATA. "AAIN INTERPRET AGO. 10 SEC. AGRACLES AGO. AGRACLES AG	TACTS, NORMALLY CLOSED, ONE INTERLOCK				T	RES.		
### CLOSE 600 AMES OF MAY, AND CARTY		RANGE ±15%.	CONTACT RATI	IGS 5 AMPS. 44	ον.			
TOTAL PROPERTY OF THE PROPERTY		AC, & 1 AMP	440V. AC. CO	IL DATA: 42		. •		
10/27/44 AT-225/1012002 CAT-23705  RAR. 45 COLLISSOSSOZ RE TO  COLL 115 TO 125V DC INTERTITETED 4000  FOR SPECIAL PROPERTY OF THE VEST CON- COUNTY OF THE VEST CONTROLLED COLLISSOS PROPERTY OF THE VEST CONTROLLED COLLISSOS PROPERTY OF THE VEST CONTROLLED CONTROLLED COLLISSOS PROPERTY OF THE VEST CONTROLLED COLLISSOS PROPERTY OF THE VEST COL								
### 45 COLL:39/395677 REV 0  ### 45 COLL:39/395677 REV 0  ### 45 COLL:39/395677 REV 0  ### 15 COLL:39/3		. ,						
COLL 115 TO 1259 OF INTERNITERAL 400 TOWNS 223 CW WIRE; 237 OND 20 ESC. AT 29305  TOWNS 223 CW WIRE; 237 OND 20 ESC. AT 2500.  ORAS DE RES. AT 2500.  ORAS DE RE								
COL 115 TO 125Y OF LIFERNITIEN 4900 TURNS 27 OF UNICE; 27	MAK. 45 CUIL:5#895672 REV U	NOV. 44 CO	IL:\$#1190157	REV 9	. 23.			
COL 115 TO 125Y OF LIFERNITIEN 4900 TURNS 27 OF UNICE; 27								
COL. 115 TO 1259 OC INTERNITENT 400 TONG 25 CAT. 200 TONG 25 COUNTY 100 TONG 25 CAT. 200 TO	CAY- 2030 F					4		
TURNS 279 CU VIETE 287 ONES DE RES. AT 287-C. THE PROPERTY OF			184.50			CAY- 2931	5	
### 1900 ATTENDED SOUTH ## 1975  ONRS OR ASS. AT 25-C.  WITH 1900 ATTENDED SOUTH ## 1975  ONRS OR ASS. AT 25-C.  WITH 1900 ATTENDED SOUTH ## 1975  ONRS OR ASS. AT 25-C.  WITH 1900 ATTENDED SOUTH ## 1975  ONRS OR ASS. AT 25-C.  WITH 1900 ATTENDED SOUTH ## 1975  ONRS OR ASS. AT 25-C.  WITH 1900 ATTENDED SOUTH ## 1975  WITH 1900 ATTENDED SOUTH ##								
### OWN ALLY CLOSES, OWN AND ACTIONS AND SOUTH AND ACTIONS AND ACTIONS AND ACTION ACTION AND ACTION AND ACTION AND ACTION AND ACTION AND ACTION ACTION AND ACTION AND ACTION AND ACTION AND ACTION AND ACTION AND								ERLOCK. CONTACT
OMRS DC RES. AT 25°2.  OMR OPERATION DO CRES. SAN APPS AT 800% OD CRES. TO APPS AT 800% OD TRES.					,			
AND 180 APPS AT 1805 APPS AT 18								
THU WINDINGS ONE 4000 TURNS #31 EN CU 10/3/14/4 104-411 37-J-800 PP 10/3/44 104-411 37					175			
10/31/44 10-4111 DCC. 44 COLLEGISTISSO REV 6  ENLAY, OVERLOAD  SPST, MORRALLY CLOSED, MANUAL RESET.  COLR RATED 230% 28,5 AMPS, 80 TURNS OF 1027 SS, DLC. COPPER WIRE, KDS  WIRE 246 OWN DC RES. 1130 S 10 FREWTHENT TO SO DCC. AND AMPLANCE RES. 1130 S 10 FREWTHENT TO SO DCC. COPPER WIRE, KDS  WIRE 26 OWN DC RES. 1130 S 10 FREWTHENT.  OUT SECOND TO PER WIRE, KDS  WIRE 26 OWN DC RES. 1130 S 10 FREWTHENT.  OUT SECOND TO PER WIRE, KDS  WIRE 26 OWN DC RES. 1130 S 10 FREWTHENT.  OUT SECOND TO PER WIRE, KDS  WIRE 26 OWN DC RES. 1130 S 10 FREWTHENT.  OUT SECOND TO PER WIRE, KDS  REAT OVERLOAD  SPST, MORRALLY CLOSED, COLL ASSISTANCE OF COLL AT 152 S 1130 S 10 FREW THE THE ACCELERATION.  EACH 29307 TEXT TO COLL ASSISTANCE AND AMPS. 1011 TEXT THE ACCELERATION.  CAY 29307 TEXT TO COLL ASSISTANCE AND AMPS. 1011 TEXT TO COLL ASSISTANCE OF COLL ASSISTANCE AND AMPS. 1011 TEXT TO COL						ING. COIL	DATA: 1375 TUR	NS #29 EN. CU.
DEC. 44 COLLEGISTISSON REV 6  MIRE SELAY, OVERLOAD FRELAY, OVERLOAD FRELAY, OVERLOAD FRELAY, OVERLOAD FRELAY, OVERLOAD FRELAY, OVERLOAD FRELAY, OVERLOAD FRELAY FREMANTINGS: ONE MORRALLY CLOSED (MAIN CONTACT), MIT THO (INTERCORES) DE MORRALLY CLOSED (MAIN CONTACT), MIT THO (INTERCORES) DE MORRALLY CLOSED (MAIN CONTACT), MIT THO (INTERCORES) DE MORRALLY CLOSED ONE MORRALLY CLOSED. FRELAY OVERLOAD FRELAY OVERLOAD FRELAY OVERLOAD FRELAY O								
CAY 29305 TSK-13 RELAY, OVERLOAD PST, NORMALLY CLOSED, MANUAL REST. COLK RATED 2 103, 12-58 ANDS, 10 TURS COLK RATED 2 103, 12-58 TURS COLK RATED 2 103, 10-15, 12-58 TURS COLK RATED 2 10-15, 12	그 그 그 사람들은 그 그 그 사람들이 얼마나 다니다.							
RELAY, OVERLOAD  PRIL NORPALLY CLOSED, MANUAL RESET. COLL RATED: 1304, 28,5 AMPS, 80 TURNS  PRIL NORPALLY CLOSED, MANUAL RESET. COLL RATED: 1204, 28,5 AMPS, 80 TURNS  OMMS DC RES., 1154 DC INTERMITTENT,  DEFINITE TIME ACCILERATION.  AND DC RES., 1154 DC INTERMITTENT,  DEFINITE TIME ACCILERATION.  THE COLL RATED: 1204, 28,5 AMPS, 80 TURNS  OMMS DC RES., 1154 DC INTERMITTENT,  DEFINITE TIME ACCILERATION.  DEFINITE TIME ACCILERATION.  DEFINITE TIME ACCILERATION.  CAT-29316  THE COLL RATED: 1204, 28,5 AMPS, 80 TURNS  OMMS DC RES., 1154 DC INTERMITTENT,  DEFINITE TIME ACCILERATION.  DEFINITE TI						MAR. 45 S	#1223350 S#119	0273 REV 7
RELAY, OVERLOAD  PRIL NORPALLY CLOSED, MANUAL RESET. COLL RATED: 1304, 28,5 AMPS, 80 TURNS  PRIL NORPALLY CLOSED, MANUAL RESET. COLL RATED: 1204, 28,5 AMPS, 80 TURNS  OMMS DC RES., 1154 DC INTERMITTENT,  DEFINITE TIME ACCILERATION.  AND DC RES., 1154 DC INTERMITTENT,  DEFINITE TIME ACCILERATION.  THE COLL RATED: 1204, 28,5 AMPS, 80 TURNS  OMMS DC RES., 1154 DC INTERMITTENT,  DEFINITE TIME ACCILERATION.  DEFINITE TIME ACCILERATION.  DEFINITE TIME ACCILERATION.  CAT-29316  THE COLL RATED: 1204, 28,5 AMPS, 80 TURNS  OMMS DC RES., 1154 DC INTERMITTENT,  DEFINITE TIME ACCILERATION.  DEFINITE TI	00706							
SPST, NORMALTY CLOSED, MANUAL RESET. COIL RATEO, 230, 262, 230, 263, 4875, 80 17978 OF 1027 SQ, D.C.C. COPPER MIRE, KOS  VENT OPERATION DUE TO SMOCK, D.C. RESISTANCE OF COLL AI 259°C 15 0.03 OMMS, MENCO END HANDSOOK PAGE 2114-120, 571741  CAT-29306  VENT OPERATION DUE TO SMOCK, D.C. RESISTANCE OF COLL AI 259°C 15 0.03 OMMS, SEA, MAPS, COMMACLEY OPEN, ADJUSTABLE FROM 90 TO 10271744 MI HEATER; 30H7-639, P22 DEC. 44 59110537  CAT-29307 TBK-15  RELAY, OVERLOAD SPST, HORPALLY CLOSED, COIL RATED; 115V, SS AMPS, 19 TURNS OF 1447 30, D.C.C. OPPER MIRE, CALIFRATION AT 85 MAPS, COIL MIREMITTERI TAL 250V DC, MANUAL RESET, OLD ASSIPPORT USED TO PREVENT OPERATION TO/27744 KNSP CAT-29307  DUE TO SHOCK,  CAY-29307  DUE TO SHOCK,  CAY-29308  DUE TO SHOCK,  CAY-29307  DUE TO SHOCK,  CAY-29307  DUE TO SHOCK,  CAY-29307  DUE TO SHOCK,  CAY-29308  CAY-29308  DUE TO SHOCK,  CAY-29308  DUE TO SHOCK,  CAY-29307  DUE TO SHOCK,  CAY-29308  DUE TO SHOCK AND		WIRE		CAY- 29310	1			ALW 00745
Of 102 29 00 D.C.C. COPPER WIRE. NOS 1467 CALIBRATED AT 26.4 AMPS. CONTACT RATINGS 1467 CALIBRATED AT 26.4 AMPS. C		246 OHMS DC	RES. 115V DC	INTERMITTENT				CAT - 293 13
ONES DO RES., 1154 DE INTERNITIENT,  1467 CALISPATED AT 25.4 APPS, CONTACT RATINGS; SAMPS CONT. AT 2500 DC I AMPS. 1107.7/44 UNIP CATISSJ-408P16  FEB. 45 SPITISS37 REV 23  CAT- 29306  VENT OPERATION DUE TO SMOCK, OC RESIS- 1ANCE OF COIL AT 2500 DS OND CO. RESIS- 1ANCE OF COIL AT 2500 DS OND COIL AT 2500					0	36 OHMS DC	•	
1467 CALIBRATED AT 26.4 AMPS. CONTACT RATINGS. PREV 23 AMPS. COLITACT RATINGS. S. AMPS. AND S. S. AMPS. GOLITACT RATINGS. S. AMPS. COLITACT RATINGS. S. AMPS. AND S. AMS. MARCHALT COLORS. ON COMPANIALTY CLOSED. CONTACT RATINGS. S. AMPS. AND S. AMS. MARCHALT COLORS. ON COMPANIALTY CLOSED. CONTACT RATINGS. S. AMPS. COLITACT RATINGS. S. AMPS. COLI								
### PATHONS: S AMPS CONT. AT 2500 DC   AMPS. INTERNAL PROPERTY   AMPS. IN PRESENCE   A		DEFINITE TI	ME ACCELERATI	)N.				
INT. AT 250Y DC DIL DASHPOT USED TO PRE- 10/27/44 KISP CAY-323-08P16 FEB. 45 \$ \$7115327 REV 23  VENT OPERATION DUE TO SHOCK, DC RESIS- TANCE OF COIL AT 25°C IS 0.03 OM'S, MENCO END HANDBOOK PAGE 2114.120. 5/1/41  MENCO END HANDBOOK PAGE 2114.120. 5/1/41  CAY-29307 TBK-15 RELAT, OVERLOAD SPET, NORMALLY CLOSED, COIL RATED: 115V, RELAT, OVERLOAD SPET, NORMALLY CLOSED, HANDLA RESET, OLL DASHPOT USED TO PREVENT OPERATION DIACT RATINGS: 5 AMPS AT 250V DC. 1 AMP INTERNITIONAL AT 25°C DC. MANUAL RESET, OLL DASHPOT USED TO PREVENT OPERATION DIACT RATINGS: A MPS AT 25°C DC. MANUAL RESET, OLL DASHPOT USED TO PREVENT OPERATION DIACT RATINGS: A MPS AT 25°C DC. MANUAL RESET, OLL DASHPOT USED TO PREVENT OPERATION MENCO ENG HANDBOOK PAGE 2114.120 5/1/41.  CAY-29307  DUE TO SHOCK.  CAY-29308  CAY-29308  CAY-29318  TIME OCLAY RELAT:  CAY-29308  CAY-29318  TIME OCLAY RELAT:  CAY-29308  CAY-29318  TIME OCLAY RELAT:  COLL SPETION OF RATED 103 TO 106  CONSISTS OF AC MOTOR RATED 103 TO 106  CONSISTS								
10/27/44 KISP								
CAY - 29306  VENT OPERATION DUE TO SYDEK, DO RESISTANCE OF COLL AT 25°C IS 0.03 DMS, MERCO END HANDDOOK PAGE 2114.120. 571/41  MERCO END HANDDOOK PAGE 2114.120. 571/41  CAY - 29311 TBK-20 17-R-6  RELAT OVERLOAD  SPAT, NORMALLY CLOSED, COLL RATED: 115V, SA APPS, 19 TURNS OF 144" SO, D.C. CO. COPPER WIRE; CALIFERIST MERCEST, ME								
VENT OPERATION DUE 10 SMOCK, DC RESIS- IANGE OF COIL AI 25°C IS CLOSS OWNS, MENDO END HANDBOOK PAGE 2114.120. 571/41  MENDO END HANDBOOK PAGE 2114.120. 571/41  CAY - 29311 T8K-20  CAY - 29312 T8K-20  CAY - 29313 T8K-20  CAY - 29313 T8K-20  RELAT OVERLOAD SPST, NORMALLY OPEN, ADJUSTABLE FROM 90- 1105, HANDLA ESSET, MEATER: SM1255734: 131 AMPS. CONTACT RATINGS 5 AMPS AG: 1 131 AMPS. CONTACT RATINGS 5 AMPS AG: 1 132 AMPS. CONTACT RATINGS 5 AMPS AG: 1 133 AMPS. CONTACT RATINGS 5 AMPS AG: 1 134 AMPS. CONTACT RATINGS 5 AMPS AG: 1 135 AMPS. 137 IURIS OF 144" 89. D.C.C. COPPER MIRE C. CLIERATED AT 53 AMPS. CON- 1ACT RATINGS; SAMPS AT 250V DC. 1 AMP 14TERNITITEST AT 250V DC. MANUAL RESET, DISCOMBREASE OF PREVENCIAL ASSOCIATION OF THE CONTACT RATINGS; DISCOMBREASE OF PREVENCIAL ASSOCIATION OF THE CONTACT RATINGS; DISCOMBREASE OF THE CONTACT RATINGS; DISCOMBREA			A As A sec					
Vert OPERATION DUE TO SHOCK. DC RESIS- TANCE OF COIL AI 250 IS 0.03 0495.   MEMCO ENG HANDSOOK PAGE 2114.120.5/1/41   SPST NORMALLY OFEN, ADJUSTABLE FROM 90- 1104. MANUAL RESET. HEATER: SM1265734; S1 AMPS. CONTACT RATINGS 5 AMPS AC. 1   AMP DC.	1201 40 0//11/0007							
Vert OPERATION DUE TO SHOCK. DC RESIS- TANCE OF COIL AI 250 IS 0.03 0495.   MEMCO ENG HANDSOOK PAGE 2114.120.5/1/41   SPST NORMALLY OFEN, ADJUSTABLE FROM 90- 1104. MANUAL RESET. HEATER: SM1265734; S1 AMPS. CONTACT RATINGS 5 AMPS AC. 1   AMP DC.								
Vert OPERATION DUE TO SHOCK. DC RESIS- TANCE OF COIL AI 250 IS 0.03 0495.   MEMCO ENG HANDSOOK PAGE 2114.120.5/1/41   SPST NORMALLY OFEN, ADJUSTABLE FROM 90- 1104. MANUAL RESET. HEATER: SM1265734; S1 AMPS. CONTACT RATINGS 5 AMPS AC. 1   AMP DC.	CAT- 29306	044- 2071	1 785-20	17.0.6				
TANCE OF COIL AI 25°C IS 0.03 OHMS.  MEMOD ENG HANDBOOK PAGE 2114.120.5/1/41  MEMOD ENG HANDBOOK PAGE 2114.120.5/1/41  SPECIAL OVERLOAD  S				17 - K - V			6 TBK-9	
MEMCO ENG HANDBOOK PAGE 2114.120. 5/1/41  110.5. MANUAL RESET. MEXTER: \$MIZESTZH: \$25 AMPS AC. 1  ANP DC.  110/31/44 HI HEATER: \$3.4MPS. CONTACT RATINGS 5 AMPS AC. 1  110/31/44 HI HEATER: \$3.4MPS. 2011.590.8333, 120%. 61  CAY- 293.07 T8K-13  RELAY. OVERLOAD  SPST, MORVALLY CLOSED. COIL RATED. 115V. 6200-144 TS 30 DC. 64  CAY- 293.07 T8K-13  RELAY. OVERLOAD  SPST, MORVALLY CLOSED. COIL RATED. 115V. 6200-144 TS 30 DC. 64  COPPENDE ST TURNS OF 44 TS 30 DC. 6.  COPPENDE ST TURNS OF 14 TS 50 DC. 6.  COPPENDE ST TURNS OF 14 TS				110 TARIE ERAM O	٥.			
S 3 AMPS. CONTACT RATINGS 5 AMPS AC. 1 AND DC.  AND DC.  AND DC.  CAY- 29307 TBK-13 RELAY. OVERLOAD SPST, MORPALLY CLOSED. COIL RATED: 115V, 85 AMPS. 13 TURIS OF 144* SQ. D.C.C. COPPER WIRE, CALIFAITED AT 53 AMPS. COP- INTERNITIENT AT 1250V DC. AMUSIL REST, OLL DASPROT USED TO PREVENT OPERATION 10/27/44 KISP CAY- 29307  DUE 10 SHOCK.  WENCO ENG MAIDDOOK PAGE 2114.120 5/1/41.  DUE 10 SHOCK.  WENCO ENG MAIDDOOK PAGE 2114.120 5/1/41.  CCX- 29308  CC								
CAY- 29307 TEK-15  RELAY, OVERLOAD  SPST, MORFALLY CLOSED, COIL RATED: 115V, 58 AMPS, 13 TURIS OF 144* SQ. D.C.C.  COPPER WIRE, CALIBRATED AT 53 AMPS, CON- IALOR INTERNITIENT AT 250V DC. MANUAL RESET.  OLD DASHPOT USED TO PREVENT OPERATION IO/27/44 KISP CAY: 29307  DUE TO SHOCK.  CAY- 29313  TIME DELAY RELAY: OVERLOAD  SPST, NORMALLY CLOSED, MANUAL RESET.  ADJUSTABLE FROM 90 TO 1105. CONTACT RATINGS: 5 AMPS AT 250V DC. 11 AMP INTERNITIENT AT 250V DC. MANUAL RESET.  ADJUSTABLE FROM 90 TO 1105. CONTACT RATINGS: 10/27/44 KISP CAY: 23-J-406P16  FEB. 45 Sf1115397  REV 10  CAY- 29317  TEK-9  SPST, NORMALLY CLOSED, MANUAL RESET.  ADJUSTABLE FROM 90 TO 1105. CONTACT RATINGS: 110/51/44 MID 186-539, P22  TIME OF AMPS AT 150V DC. AMPS AC UP TO 500V.  MORNAL SETTING 8.4 AMPS. AC UP TO 500V.  ONE NORMALLY CLOSED (MAIN CONTACT).  WITH TWO INTERLOCKS, DAW HORALLY OPEN.  ONE NORMALLY CLOSED. CONTACT RATINGS: WILL CLOSE 10 OAMPS, AND WILL CARRY 150  AMPS AT 250V CONTINUOUSLY. COLI:  SHISTS 1115391, TWO WINDINGS: ONE, 8000 TURNS 10/31/44 1A0-4111  37-J-839 P5  DEC. 44 COIL:53/551940  CAY- 29318  TEX-9  TELAY, OVERLOAD  SPST, NORMALLY CLOSED (MAIN CONTACT).  WITH TWO INTERLOCKS, DAW HORALLY CLOSED.  CAY- 29318  TEX-9  CAY- 29318  TEX-9  TOTAL AMPS ACCUMENTS.  CAY- 29318  TEX-10  TOTAL AMP								
CAY- 29707 TBK-13  RELAY, OVERLOAD  SPST, MORPALLY CLOSED, COIL RATED; 115V, 58 AMPS, 39 TURNS OF 144" SO, D.C.C. COPFER MIRE, CALISPATED AT 53 AMPS, CONTINUOUS, CO. 5 AMPS, AT 250V DC. 1 AMP MINISTER TO PREVENT OF RELAY, OVERLOAD  SPST, MORPALLY CLOSED, COIL RATED; 115V, 58 AMPS, 39 TURNS OF 144" SO, D.C.C. COPFER MIRE, CALISPATED AT 53 AMPS, CONTINUOUS, CO. 5 AMPS, AT 250V DC. 1 AMP DC. 1 AMPS, SPST, NORMALLY CLOSED, RANUAL RESET, ADJUSTABLE FROM 90 TO 110S. CONTACT RATED SPST, NORMALTY CLOSED, CONTACT RATINGS; MILL CLOSE 100 AMPS, AND MILL CLO								
10/31/44 MI HEATER: 36HF-639, P22  CAY- 29307 TEK-13  RELAY, OVERLOAD  SPST, MORPALLTY CLOSED, COIL RATED: 115V, 58 AMPS, 39 TURING SPST, MORPALTY CLOSED, COIL RATED: 115V, 58 AMPS, 39 TURING SPST, MORPALTY CLOSED, COIL RATED: 115V, 58 AMPS, 39 TURING SPST, MORPALTY CLOSED, COIL RATED: 115V, 58 AMPS, 39 TURING SPST, MORPALTY CLOSED, COIL RATED: 115V, 58 AMPS, 39 TURING SPST, MORPALTY CLOSED, COIL RATED: 115V, 58 AMPS AT 250V OC. MANUAL RESET, OIL DASPROTUSED TO PREVENT OPERATION AND THE MORPAL SPST, MORPALLY CLOSED, CONTACT RATINGS: 5 AMPS AT 250V OC. MANUAL RESET, OIL DASPROTUSED TO PREVENT OPERATION AND THE MORPAL SPST, MORPALLY CLOSED, CONTACT RATINGS: 5 AMPS AT 250V OC. MARCHAND CONTACT), MITH TWO INTERCORES, ONE MORPALLY CLOSED (MAIN CONTACT), MITH TWO INTERCORES, ONE MORPALLY CLOSED (MAIN CONTACT), MITH TWO INTERCORES, ONE MORPALLY CLOSED (MAIN CONTACT), MITH TWO INTERCORES, ONE MORPALLY CLOSED CONTACT RATINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 250V OCKINIOUSLY. COIL TRAINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 250V OCKINIOUSLY. COIL TRAINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 250V OCKINIOUSLY. COIL TRAINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 250V OCKINIOUSLY. COIL TRAINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 250V OCKINIOUSLY. COIL TRAINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 250V OCKINIOUSLY. COIL TRAINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 250V OCKINIOUSLY. COIL TRAINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 250V OCKINIOUSLY. COIL TRAINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 250V OCKINIOUSLY. COIL TRAINGS: MILL CLOSE 100 AMPS, AND MILL CARRY 150 AMPS AT 150V CONTACT RATINGS: MILL CLOSE 100 AMPS AT 150V CONTACT RATINGS: MILL CARRY 150 AMPS AT 150V CONTACT RATINGS: MILL CARRY								1 KE 3017 DC KES
CAY - 29307 TBK-13  RELAY, OVERLOAD  SPST, MORPALLY CLOSED, COIL RATED: 115V, SPST, MORPALLY CLOSED, D.C., C., SUPPER WIRE, CLORENTED AT 53 AMPS, CON- TACE PARTINGS: SLURGATED AT 54 AMPS AT 150 V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED AT 54 AMPS AT 250V CONTACT RATINGS: TACE PARTINGS: SLURGATED			ran f			COM1110003	D011.	
CAY- 29307 T8K-13  RELAY, OVERLOAD  SPST, NORMALLY CLOSED, COIL RATED: 115V, 86 AMPS, 29 TURNS OF 144* SQ. D.C.C. COPPER WIRE, CALIBRATED AT 53 AMPS, CON- TACE RATINGS: SAMPS AT 250V DC. MANUAL RESET, OLD INSTRUCTION OF REVENT OPERATION TO PREVENT OPERATION TO PREVENT OPERATION 10/27/44 KNSP CAY: 35-J-406916 FEB. 45 Sg1115387 REV 19  CAY- 29307  DUE 10 SHOCK.  MEMCO ENG HAIDDOOK PAGE 2114.120 5/1/41.  CAY- 29317 TBK-20  CAY- 29317 TBK-20  CAY- 29317 TBK-9  RELAY, OVERLOAD  SPST, NORMALLY CLOSED, CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT, NORMALLY CLOSED, CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT, NORMAL RESET, OLD HIERRORY SAMPS AC UP TO 600V. ON THE CONTACT, NORMAL RESET, OLD HIERRORY SAMPS AC UP TO 600V. ON THE CONTACT, NORMAL RESET, OLD HIERRORY SAMPS AC UP TO 600V. ON THE CONTACT, NORMAL RESET, OLD HIERRORY SAMPS AC UP TO 600V. ON THE CONTACT, NORMAL RESET, OLD HIERRORY SAMPS AC UP TO 600V. ON THE CONTACT, NORMAL RESET, OLD HIERRORY SAMPS AC UP TO 600V. ON THE CONTACT, NORMAL RESET, OLD HIERRORY SAMPS AC UP TO 600V. ON THE CONTACT, SAMPS AC UP TO 600V. ON THE CONTACT, SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: WILL CLOSE IO. ON AMPS, AND WINDON INDIONISS: ONE ROOM TURNS 10/31/44 1A0-4111 37-J-990 P5  DEC. 44 COLL:Sg1515391 TRV ON MINDON SCI. ON THE CONTACT RATINGS: WILL CLOSE IO. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAMPS AC UP TO 600V. ON THE CONTACT RATINGS: SAM		10/31/44 M	HEATER:	36Hr-639, P22		11/6/44 DN	-150-N S#97364	4 74-4-790
CAY- 29307 TBK-15 RELAY, OVERLOAD SPST, NORMALLY CLOSED. COIL RATED: 115V, 58 AMPS, 39 TURNS OF 144" SQ. D.C.C. COPPER MIRE, CALIBRATED AT 53 AMPS. CON- 1ACT RATINGS: 5 AMPS AT 250V DC. 1 AMP INTERMITERAL AT 250V DC. PANAUAL RESET, OLL DASHPOT USED TO PREVENT OPERATION 10/27/44 KINSP CAT;35-4-06916 FEB. 45 S#1115387 REV 19  DUE 10 SHOCK.  MEMCO ENG HANDDOOK PAGE 2114.120 5/1/41.  CAY- 29307  DUE 10 SHOCK.  MEMCO ENG HANDDOOK PAGE 2114.120 5/1/41.  CCX- 29308  GCX- 29308	그 그 그 이 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	DEC. 44 S	1265734	REV 5				
RELAY, OVERLOAD  SPST, NORMALLY CLOSED, COIL RATED: 115V, 58 AMPS, 39 TURNS OF 144" SQ. D.C.C. COPPER MIRE, CALLERATED AT 35 AMPS, CON- TACT RATINGS: 5 AMPS AT 250V DC. MANUAL RESET, OIL DASHPOT USED TO PREVENT OPERATION 10/27/44 KMSP  CAY-29307  DUE TO SHOCK.  CAY-29307  DUE TO SHOCK.  CAY-29307  CAY-29313  CAY-29313  CAY-29313  CAY-29313  TBK-20  RELAY, OVERLOAD  SPST, NORMALLY CLOSED, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS S\$1. NORMALLY CLOSED, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP AC. 1 HAVE 250V DC INTERRUPTED.1.2 AMPS AT 115V D 26C. 44 COIL:S\$15591 TOWN ON HORMALLY COPEN, ONE NORMAL SETTINGS: AMPS AT 250V CONTACT RATINGS: THE BALA MAPS EACH, MAUULA RESET, OIL DASH 116CAS- THE BALAY DOVERLOAD SPST. NORMALLY CLOSED, CONTACT RATINGS 250V DC INTERRUPTED.1.2 AMPS AT 115V D 26C. 44 COIL:S\$15591 TOWN ON HORMAL 116CAS- THIGH THE BALAY DOVERLOAD SPST. NORMALLY CLOSED, CONTACT RATINGS 250V DC INTERRUPTED.1.2 AMPS AT 115V D 26C. 44 COIL:S\$151591 TOWN ON HORMAL 250V DC INTERRUPTED.1.2 AMPS AT 115V D								
RELAY, OVERLOAD  SPST, NORMALLY CLOSED, COIL RATED: 115V, 58 AMPS, 39 TURNS OF 144" SQ. D.C.C. COPPER MIRE, CALLERATED AT 35 AMPS, CON- TACT RATINGS: 5 AMPS AT 250V DC. MANUAL RESET, OIL DASHPOT USED TO PREVENT OPERATION 10/27/44 KMSP  CAY-29307  DUE TO SHOCK.  CAY-29307  DUE TO SHOCK.  CAY-29307  CAY-29313  CAY-29313  CAY-29313  CAY-29313  TBK-20  RELAY, OVERLOAD  SPST, NORMALLY CLOSED, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS S\$1. NORMALLY CLOSED, CONTACT RA- THIGS: SAMPS AC. 1 AMP DC. HEATER RATED 26.0 AMPS, S\$1265727.  DISTABLE FROM 90 TO 110G, CONTACT RA- THIGS: SAMPS AC. 1 AMP AC. 1 HAVE 250V DC INTERRUPTED.1.2 AMPS AT 115V D 26C. 44 COIL:S\$15591 TOWN ON HORMALLY COPEN, ONE NORMAL SETTINGS: AMPS AT 250V CONTACT RATINGS: THE BALA MAPS EACH, MAUULA RESET, OIL DASH 116CAS- THE BALAY DOVERLOAD SPST. NORMALLY CLOSED, CONTACT RATINGS 250V DC INTERRUPTED.1.2 AMPS AT 115V D 26C. 44 COIL:S\$15591 TOWN ON HORMAL 116CAS- THIGH THE BALAY DOVERLOAD SPST. NORMALLY CLOSED, CONTACT RATINGS 250V DC INTERRUPTED.1.2 AMPS AT 115V D 26C. 44 COIL:S\$151591 TOWN ON HORMAL 250V DC INTERRUPTED.1.2 AMPS AT 115V D	CAY- 29307 TBK-13	A.V. 2071	70K-20	17-8-6				
SPST, NORMALLY CLOSED, COLL RATED; 115V, 58 AMPS, 13 10URS OF 144" S9. D.C.C. COPPER MIRE, CALIBRATED AT 53 AMPS, CONTACT RATINGS; 5 AMPS AT 250V DC. I AMP INTERNITIONS; 5 AMPS AT 250V DC. I AMP INTERNITIONS; 5 AMPS AT 250V DC. MANUAL RESET, OLD 10/5/1/44 KMSP CAY:29307  DUE TO SHOCK.  WENCO ENG HAIDDOOK PAGE 2114-120 5/1/41.  CCAY-29307  DUE TO SHOCK.  WENCO ENG HAIDDOOK PAGE 2114-120 5/1/41.  CCAY-29308  TIME DELAY RELAY; DERIVATION OF THE DELAY RELAY; DOWN THE DELAY RELAY RELAY; DOWN THE DELAY RELAY RELAY RELAY RELAY RELAY RELAY RELAY RELAY						CAY 29317	TBK-9	
S & AMPS. 39 TURINS OF 144" \$0. D.C.C. COPPER MIRE, CALIBRATED AT 55 AMPS. CON- TACT RATINGS: 5 AMPS AT 250V DC. 1 AMP INTERMITED 135 OF DEPARTMENT OF ARTION OIL DASHPOT USED TO PREVENT OPERATION 10/27/44 KISP CAT; 53-406916 FEB. 45 S#1115387 REV 19  CAY-29307  DUE TO SHOCK.  CAY-29307  DUE TO SHOCK.  CAY-29317  TIME DELAY RELAY:  CONSISTS OF AC MOTOR RATED 103 TO 106  VOLITS, 60 CPS. O, 06 AMPS. CONTECTED  THROUGH GEAR TRAIN TO OPERATE SPOT  HICRO-SMITCH, MOUNTED ON METAL BASE AND  PROVIDED WITH REMOVABLE COVER. TUNING  PROVIDED WITH REMOVABLE COVER. TUNING  PROVIDED WITH REMOVABLE COVER. TUNING  HITERAL BASIGNED  ASSIGNMENT  ASSIGNMENT  ASSIGNMENT  ASSIGNMENT  ASSIGNMENT  ASSIGNMENT  TIMES: C. AMPS AC. I AMP DC. HEATER RATED  26.0 AMPS, S#1265727.  10/51/44 MI  36-J-639, P22  CAY-29318  TBK-20  RELAY  SPST. NORMALLY CLOSED. CONTACT RATINGS: 5 AMPS AT 560V CONTINUOUS, O. S. AMPS. AT 115V DC.  MOTHAL SETTING 8.4 AMPS ACD. HAVE AMPS ACD. HAVE CONTACT RATINGS:  CAY-29317  TIME OBLAY RELAY:  CONSISTS OF AC MOTOR RATED 103 TO 106  VOLITS, 60 CPS. O, 06 AMPS, COMPECTED  THROUGH GEAR TRAIN TO OPERATE SPOT  HICRO-SMITCH, MOUNTED ON METAL BASE AND  PROVIDED WITH REMOVABLE COVER. TUNING  10/28/44 44559  CAY-29318  TIME OBLAY  ASSIGNMENT  AND ASSIGNMENT  ASSIGNMENT  AND ASSIGNMENT  ASSIGNMENT  AND ASSIGNMENT  ASSIGNMENT  AND ASSIGNMEN				ANIIAI PECET				
COPPER WIRE, CALIBRATED AT 53 AMPS. CON- TACT RATINGS: S AMPS AT 250V DC. 1 AMP LOC INTERNITION AT 250V DC. MANUAL RESET. OLL DASHPOT USED TO PREVENT OPERATION 10/27/44 KNSP FEB. 45 S#1115387 REV 19  CAY-29307  DUE 10 SHOCK.  CAY-29307  DUE 10 SHOCK.  MEMCO ENG HARIDDOOK PAGE 2114.120 5/1/41.  CAY-29313 TBK-20  RELAY SPST, NORMALLY CLOSED (MAIN CONTACT), WITH TWO INTERLOCKS, DIM ENGRALLY DEEN, ONE NORMALLY CLOSED CONTACT RATINGS: WILL CLOSE 100 AMPS, AND WILL CARRY 150 AMPS AT 250V DC INTERRUPTED 4.6.0 AMPS AC UP TO 600V.  ONE NORMALLY CLOSED CONTACT RATINGS: WILL CLOSE 100 AMPS, AND WILL CARRY 150 AMPS AT 250V CONTINUOUS. O.5 AMP. AT 230V DC INTERRUPTED 4.6.0 AMPS AT 1600V CONTINUOUS. INTERRUPTED 4.6.0 AMPS AC UP TO 600V. NORMAL SETTING 8.6 A AMPS. THO HEATERS RA TED 8.4 AMPS EACH. MANUAL RESET. DIL 11/6/44 SH\$60064 "TAM" 58-A-763 DEC. 44 COIL:S#551940  CAY-29317  DASH POI TO PREVENT OPERATION DUE TO SHOCK. ADJUSTMENT RANGE 805-1201 OF SET THIS DEC. 44 COIL:S#1515391 REV 6  CCX-29308  TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106 VOLITS, 60 CPS, 0.06 AMPS, CONNECTED THROUGH GEAR TRAIN TO OPERATE SPOT MICRO-SHAPLAN CONTINUOUS. O.5 AMP. AT 230V DC INTERRUPTED1.2 AMPS AT 1600V CONTINUOUS. O.5 AMP. AT 250V PC INTERRUPTED1.2 AMPS AT 1600V CONTINUOUS.  CAY-29317  TIMG: 5 AMPS AC. 1 AMP DC. HEATER RATED 250. OAMPS AC UP TO 600V. NORMAL SETTING S. SHOCK. ADJUSTMENT RANGE 805-1201 OF SET THE BELLAY  CAY-29318  TIMG ESTING SO CONTINUOUS.  CAY-29317  DASH POI TO PREVENT OPERATION DUE TO SHOCK. ADJUSTMENT RANGE 805-1201 OF SET THOUGH GEAR TRAIN TO OPERATE SPOT MICRO-SHAPLAY  CONTINUOUS. O.5 AMP. AT 150 OC INTERRUPTED1.2 AMPS AT 1600V CONTINUOUS. O.5 AMP. AT 150 OC INTERRUPTED1.2 AMPS AT 1600V CONTINUOUS. O.5 AMP. AT 150 OC INTERRUPTED1.2 AMPS AT 1600V CONTINUOUS. O.5 AMP. AT 150 OC INTERRUPTED1.2 AMPS AT 1600V CONTINUOUS. O.5 AMP. AT 160 OC INTERRUPTED1.2 AMPS AT 1600V CONTINUOUS. O.5 AMP. AT 160 OC INTERRUPTED1.2 AMPS AT 160 OC INTERRUPTED1.2 AMPS AT 160 OC INTERRUPTED1.2 AMPS AT 160 OC INTE								ONTACT RATINGS:
TACT RATINGS; 5 AMPS AT 250V DC. 1 AMP INTERMITERT AT 250V DC. MANUAL RESET. OIL DASHPOT USED TO PREVENT OPERATION 10/27/44 KINSP FEB. 45 S#1115387 REV 19  CAY-29307  DUE 10 SHOCK. NEMCO ENG HA:IDDOOK PAGE 2114.120 5/1/41.  CAY-29317  DUE 10 SHOCK. NEMCO ENG HA:IDDOOK PAGE 2114.120 5/1/41.  CAY-29318  CAY-29318  CAY-29317  TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106 YOLTS, 60 CPS, 0,06 AMPS, CCHNECIED THROUGH GEAR TRAIN TO OPERATE SPOT WICKO-SHITCH, MOUNTED ON METAL BASE AND PROVIDED WITH RENOVABLE COVER, TUNING PROVIDED WITH RENOVABLE COVER, TUNING INTERMIPTED 1.2 AMPS AT 115V D  10/31/44 MI								
INTERRITTENT AT 250V DC. MANUAL RESET. OIL DASHPOT USED TO PREVENT OPERATION 10/27/44 KISP					-	230V DC IN	TERRUPTED.1.2	AMPS AT 115V DC
10/27/44 KISP FEB. 45 S#1115387 REV 19  CAY-29307  DUE TO SHOCK.  WENCO ENG HAIDDOOK PAGE 2114.120 5/1/41.  CAY-29313 TBK-20 RELAY SPST, NORMALLY CLOSED (MAIN CONTACT).  WITH TWO INTERLOCKS, ONE NORMALLY OPEN, ONE NORMALLY CLOSED, CONTACT RATINGS:  WILL CLOSE 100 AMPS, AND WILL CARRY 150 AMPS AT 250V CONTINUOUSLY. COIL:  SMISSISSI, TNO MININGS: ONE, 8000 TURNS 10/51/44 1AQ-4111 37-J-890 P5  DEC. 44 COIL:S#15391 REV 6  CCX-29308 QJB  TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106 VOLTS, 60 CPS, 0.06 AMPS, CONNECTED THROUGH GEAT TRAIN TO OPERATE SPOT HICRO-SWITCH, MOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER, TUNING INTERVAL 60 TO 72 SIGNALS OPERATION WITH 10/28/44 44839 CHIKS-5839 ISS 4  NOV. 44 FIGURE 1  MANUACTURES:  MANUACTURE						INTERRUPTE	D & 6.0 AMPS A	C UP TO 600V.
DEC. 44 COIL:S#1265727 REV 5  DEC. 44 COIL:S#1265727 REV 5  DEC. 44 COIL:S#1265727 REV 5  DEC. 44 COIL:S#15690 REV 10  CAY- 29307  CAY- 29313 TBK-20  RELAY  SPST, NORMALLY CLOSED, CONTACT, NITH TWO INTERLOCKS, ONE NORMALLY OPEN, ONE NORMALLY CLOSED, CONTACT RATINGS: WILL CLOSE 100 AMPS, AND WILL CARRY ISO AMPS AT 250V CONTINUOUSLY. COIL: S#1315391, TWO WINDINGS: ONE, 8000 TURNS 10/51/44 1AQ-44111 37-J-890 P5  DEC. 44 COIL:S#1315391 REV 6  CCX- 29308 QJB  TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106 VOLTS, 60 CPS, 0,068 AMPS, CONNECTED THROUGH GEAR TRÂIN TO OPERATE SPOT MICRO-SMITCH, MOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER, TUNING INTERMITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 436 EN. CU WIRE, 500 OHMS RES. 230V DC INTER-MITTENT, OTHER, 2100 TURNS 530V DC INTER-MITTENT, OTHER, 2100 TURNS 530V DC INTERTOR 52 AMPS AT 1150V D. NORMAL SETTING 32 AMPS TWO HEATERS RATEING 52 AMPS AT 600V CONTINUOUS: 0.5 AMP AT 320 AMPS AC UP TO 650V. NORMAL SETTING 32 AMPS TWO HEATERS RATEING 52 AMPS AT 600V CONTINUOUS ON AND AND AND AND AND AND AND AND AND AN					1.1			
DUE TO SHOCK.  WENCO ENG HARDDOOK PAGE 2114.120 5/1/41.  DUE TO SHOCK.  WENCO ENG HARDDOOK PAGE 2114.120 5/1/41.  SPST. NORMALLY CLOSED (HAIN CONTACT).  WITH TWO INTERCOCKS, ONE MORMALLY OPEN. ONE NORMALLY CLOSED. CONTACT RATINGS: WILL CLOSE 100 AMPS, AND WILL CARRY 150  AMPS AT 250V CONTINUOUSLY. COIL:  SWISISSOFI, TWO WINDINGS: ONE, 8000 TURNS 10/51/44 104-4111 37-37-880 P5  DEC. 44 COIL:S#1515391 REV 6   CCX- 29308 QJB  TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106 VOLIS, 60 CPS, 0,06 AMPS, CONNECTED THROUGH GEAR TRAIN TO OPERATE SPOT MICRO-SWITCH, MOUNTED ON METAL BASE AND PROVIDED WITH RENVAULE COVER, TUNING INTERMITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MITTENT, OTHER, 2100 TURNS #35 EN. CU MIRE, 500 OHMS RES. 230V DC INTER:  MANU					4.3			
CAY-29307  DUE TO SHOCK.  MEMCO ENG HANDGOOK PAGE 2114.120 5/1/41.  MITH THO INTERCOOKS, ONE NORMALLY OPEN.  ONE NORMALLY CLOSED. CONTACT RATINGS:  MILL CLOSE 100 AMPS, AND WILL CARRY 150  AND SHOCK. ADJUSTMENT RANGE 80%-1201 OF SET  THOG.	150. 43 241113301 KEA 13	DEC. 44 CO	11L:S#1265727					
DUE TO SHOCK.  WEMCO ENG HANDDOOK PAGE 2114.120 5/1/41.  RELAY SPST, NORMALLY CLOSED (HAIN CONTACT), WITH THO INTERLOCKS, ONE NORMALLY OPEN, ONE NORMALLY CLOSED, CONTACT RATINGS; WILL CLOSE 100 AMPS, AND WILL CARRY 150 AMPS AT 250V CONTINUOUSLY. COIL: S#1315591, TWO WINDINGS: ONE, 8000 TURNS 10/51/44 1AC4/111 37-J-890 P5 DEC. 44 COIL:S#1315391 REV 6  CAY- 29318  CAY- 29318 TBK-9  RELAY, OVERLOAD SPST, NORMALLY CLOSED, CONTACT RATINGS; WILL CLOSE 100 AMPS, AND WILL CARRY 150 AMPS AT 250V CONTINUOUSLY. COIL: S#1315591, TWO WINDINGS: ONE, 8000 TURNS 10/51/44 1AC4/111 37-J-890 P5 DEC. 44 COIL:S#1315391 REV 6  CAY- 29318 TBK-9  RELAY, OVERLOAD SPST, NORMALLY CLOSED, CONTACT RATINGS: SHOCK. ADJUSTMENT RANGE 80%-1201 OF SET THOSE SHOCK. ADJUSTMENT RANGE 80%-1201 OF SET THANG.  CAY- 29318 TBK-9  RELAY, OVERLOAD SPST, NORMALLY CLOSED, CONTACT RATINGS: SAMPS AT 600V CONTINUOUS: 0.5 AMP AT 230V DC INTERRUPTED; 6.0 AMPS AC UP TO 600V. NORMAL SETTING 32 AMPS AT 115V D INTERRUPTED; 6.0 AMPS AC UP TO 600V. NORMAL SETTING 32 AMPS TWO MEATERS RATE 10/28/44 44539 CM:KS-5839 ISS 4 NOV. 44 FIGURE 1  ASSIGNAB INVESTMENT INVESTMENT AND					350	UEC. 44 C	U:L:5#351940	KEA LO
DUE TO SHOCK.  WEMCO ENG HANDDOOK PAGE 2114.120 5/1/41.  RELAY SPST, NORMALLY CLOSED (HAIN CONTACT), WITH THO INTERLOCKS, ONE NORMALLY OPEN, ONE NORMALLY CLOSED, CONTACT RATINGS; WILL CLOSE 100 AMPS, AND WILL CARRY 150 AMPS AT 250V CONTINUOUSLY. COIL: S#1315591, TWO WINDINGS: ONE, 8000 TURNS 10/51/44 1AC4/111 37-J-890 P5 DEC. 44 COIL:S#1315391 REV 6  CAY- 29318  CAY- 29318 TBK-9  RELAY, OVERLOAD SPST, NORMALLY CLOSED, CONTACT RATINGS; WILL CLOSE 100 AMPS, AND WILL CARRY 150 AMPS AT 250V CONTINUOUSLY. COIL: S#1315591, TWO WINDINGS: ONE, 8000 TURNS 10/51/44 1AC4/111 37-J-890 P5 DEC. 44 COIL:S#1315391 REV 6  CAY- 29318 TBK-9  RELAY, OVERLOAD SPST, NORMALLY CLOSED, CONTACT RATINGS: SHOCK. ADJUSTMENT RANGE 80%-1201 OF SET THOSE SHOCK. ADJUSTMENT RANGE 80%-1201 OF SET THANG.  CAY- 29318 TBK-9  RELAY, OVERLOAD SPST, NORMALLY CLOSED, CONTACT RATINGS: SAMPS AT 600V CONTINUOUS: 0.5 AMP AT 230V DC INTERRUPTED; 6.0 AMPS AC UP TO 600V. NORMAL SETTING 32 AMPS AT 115V D INTERRUPTED; 6.0 AMPS AC UP TO 600V. NORMAL SETTING 32 AMPS TWO MEATERS RATE 10/28/44 44539 CM:KS-5839 ISS 4 NOV. 44 FIGURE 1  ASSIGNAB INVESTMENT INVESTMENT AND	CAY- 29307	CAY. 2021	\$ TOV- 20		1.11			
MEMCO ENG HANDGOOK PAGE 2114.120 5/1/41.  SPST, NORMALLY CLOSED (HAIN CONTACT), WITH TWO INTERLOCKS, ONE MORMALLY OPEN, ONE NORMALLY CLOSED, CONTACT RATINGS; WILL CLOSE 100 AMPS, AND WILL CARRY 150 AMPS AT 250V CONTINUOUSLY. COIL: SMISSS91, TWO WINDINGS: ONE, 8000 TURNS 10/31/44 1AQ-4111 37-J-890 P5 DEC. 44 COIL:SMISSS91 REV 6   CCX- 29308 QJB TIME DELAY RELAY: COMSISTS OF AC MOTOR RATED 103 TO 106 VOLTS, 60 CPS, 0.06 AMPS, CONNECTED THROUGH GEAR TRAIN TO OPERATE SPOT MICRO-SWITCH, MOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER, TUNING INTERRITION THE MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- MITTENT, OTHER, 2100 TURNS #35 EN. CAY- 29318 TBK-9 RELAY, OVERLOAD SPST, NORMALLY CLOSED. CONTACT RATINGS: 5 AMPS AT 1600V CONTACT RATINGS: 5 AMPS AT 115V D. INTERRUPTED: 6.0 AMPS AC UP TO 600V. MORRAL SETTING 32 AMPS AT 115V D. INTERRUPTED: 6.0 AMPS AC UP TO 600V. MORRAL SETTING 32 AMPS AT 115V D. INTERRUPTED: 6.0 AMPS AC UP TO 600V. MORRAL SETTING 32 AMPS AT 115V D. INTERRUPTED: 6.0 AMPS AC UP TO 600V. MORRAL SETTING 32 AMPS AT 115V D. INTERRUPTED: 6.0 AMPS AC UP TO 600V. MORRAL SETTING 32 AMPS AT 115V D. INTERRUPTED: 6.0 AMPS AC UP TO 600V. MORRAL SETTING 32 AMPS AT 115V D. INTERRUPTED: 6.0 AMPS AC UP TO 600V. MORRAL SETTING 32 AMPS AT 115V D. INTERRUPTED: 6.0 AMPS AC UP TO 600V. MORRAL SETTING 32 AMPS AT 115V D. INTERRUPTED: 6.0 AMPS			18K-50	1 3				CAY- 29317
THE DELAY RELAY:  COX - 29308 QJB  TIME DELAY RELAY:  CONSISTS OF AC MOTOR RATED 103 TO 106  VOLTS, 60 CPS, 0.06 AMPS, CONNECTED  THROUGH GEAR TRAIN TO OPERATE SPOT  HIGRO-SMITCH, MOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER, TUNING INTERMITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HIGRO-SMITCH, MOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER, TUNING INTERMITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- HITTENT, OTHER, 2100 TURNS #36 EN. COXY- 29318 TBK-9  RELAY, OVERLOAD SPPST, NORMALLY CLOSED. CONTACT RATINGS: 5 AMPS AT 1600V CONTACT R			IIY CINSED /H	AIN CONTACTS		DASH POT T	O PREVENT OPER	
ONE NORMALLY CLOSED, CONTACT RATINGS: WILL CLOSE 100 AMPS, AND WILL CARRY 150 AMPS AT 2500 CONTINUOUSLY. COIL: S#1315391, TWO WINDINGS: ONE, 8000 TURNS 10/31/44 1AQ-4111 37-J-890 P5 DEC. 44 COIL:S#1315391 REV 6  CAY- 29318  CAY- 29318 TBK-9  RELAY. OVERLOAD  FIGURE 1  ASSIGNED INTERNITION, HOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER. TUNING INTERNITION, HOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER. TUNING INTERNITION, HOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER. TUNING INTERNITION, HOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER. TUNING INTERNITION, HOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER. TUNING INTERNITION WITH 10/28/44 44539 CM:KS-5839 ISS 4  NOV. 44 FIGURE 1  ASSIGNED ISSUED  AMANUACTURERS  MANUACTURERS  MILL CLOSED, CONTACT RATINGS: MILL CARRY 150  AMPS AT 2600 ONTONES  CAY- 29318  TBK-9  RELAY. OVERLOAD  SPST, NORMALLY CLOSED. CONTACT RATINGS:  SPST, NORMALLY CLOSED.  CAY- 29318  TBK-9  RELAY. OVERLOAD  SPST, NORMALLY CLOSED.  SPST, NORMALLY CLOSED.  SPST, NORMALLY CLOSED.  SPST, NORMALLY CLOSED.  MANUACTURERS  MILL CLOSED.  CONTACT RATINGS:  SPST, NORMALLY CLOSED.  CAY- 29318  TBK-9  RELAY. OVERLOAD  SPST, NORMALLY CLOSED.  MANUACTURERS								
CCX- 29308 QJB TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106 YOLTS, 60 CPS, 0.06 AMPS, CONNECTED THROUGH GEAR TRAIN TO OPERATE SPOT MICRO-SWITCH, MOUNTED ON METAL BASE AND PROVIDED HITH REMOVABLE COVER, TUNING INTERRITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- THOUGH GEAR TRAIN TO OPERATE SPOT MICRO-SWITCH, MOUNTED ON METAL BASE AND PROVIDED HITH REMOVABLE COVER, TUNING INTERRITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- THOUGH GEAR TRAIN TO OPERATE SPOT MITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- THOUGH GEAR TRAIN TO OPERATE SPOT MITTENT, OTHER, 2100 TURNS #36 EN. CU WIRE, 500 OHMS RES. 230V DC INTER- THOUGH GEAR TRAIN TO OPERATE SPOT MITTENT, OTHER, 2100 TURNS #36 EN. CAY- 29318 TBK-9 RELAY. OVERLOAD SPST, NORMALLY CLOSED. CONTACT RATINGS: 5 AMPS AT 600V CONTANUOUS: 0.5 AMP AT 230V DC INTERRUPTED; 1.2 AMPS AT 115V D INTERRUPTED: 6.0 AMPS AC UP TO 600V. MORRAL SETTING 32 AMPS TAU HARVESTENT AT 32 AMPS. EACH. HANUAL RESET. OIL DASI 11/6/44 S-860064 "TAN" 58-A-763 DEC. 44 COIL:S#501695 REV 10								
AMPS AT 250V CONTINUOUSLY. COIL: S#1315391, TWO WINDINGS: ONE, 8000 TURNS 10/31/44 1A0-4111 37-J-890 P5 DEC. 44 COIL:S#1315391 REV 6  CCX- 29308 QJB TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106 VOLTS, 60 CPS, 0.06 AMPS, CONNECTED IHROUGH GEAR TRAIN TO OPERATE SPOT MICRO-SMITCH, MOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER, TUNING INTERMITTENT, OTHER, 2100 TURNS #36 EN. CU MIRE, 500 OHMS RES. 230V DC INTER- MITTENT,  THE DELAY RELAY: CAY- 29318 TBK-9 RELAY, OVERLOAD SPST, NORMALLY CLOSED. CONTACT RATINGS: 5 AMPS AT 600V CONTINUOUS: 0.5 AMP AT 230V DC INTERRUPTED, 1.2 AMPS AT 115V D INTERRUPTED; 6.0 AMPS AC UP TO 600V. NORMAL SETTING 32 AMPS TWO MEATERS RATE! AT 32 AMPS, EACH. MANUAL RESET. OIL DAS! 11/6/44 S-860064 "TAN" 58-A-763 DEC. 44 COIL:S#501695 REV 10								
S#1315391, TWO WINDINGS: ONE, 8000 TURNS 10/31/44 1AQ-4111 37-J-890 P5 DEC. 44 COIL:S#1315391 REV 6  CCX- 29308 QJB TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106 VOLTS, 60 CPS, 0.06 AMPS, CONNECTED THROUGH GEAR TRAIN TO OPERATE SPOT MICRO-SMITCH, MOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER, TUNING INTERMITTENT, OTHER, 2100 TURNS #36 EN. CULTER, 980 OHMS RES. 230V DC INTER- UNITER, 101-127, 2100 TURNS #36 EN. CAY- 29318 TBK-9 RELAY. OVERLOAD SPST, NORMALLY CLOSED. CONTACT RATINGS: 5 AMPS AT 600V CONTINUOUS: 0.5 AMP AT 230V DC INTERRUPTED; 6.0 AMPS AC UP TO 600V. NORMAL SETTING 32 AMPS AC UP TO 600V. NORMAL SETTING 35 AMPS AC UP TO 600V. NORMAL SETTI								
CCX- 29308 QJ8  TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106  YOLTS, 60 CPS, 0.06 AMPS, CONNECTED THROUGH GEAR TRAIN TO OPERATE SPOT MICRO-SWITCH, MOUNTED ON METAL BASE AND PROVIDED HITH REMOVABLE COVER, TUNING INTERRALTOR THE NOVAL COVER, TUNING INTERRAL 60 TO 72 SIGNALS OPERATION WITH 10/28/44 44539 CM:KS-5839 ISS 4 NOV. 44  MANUFACTURERS MANUFACTURER					NS			
CCX- 29308 QJB  TIME DELAY RELAY: CONSISTS OF AC MOTOR RATED 103 TO 106 VOLTS, 60 CPS, 0.06 AMPS, CONNECTED VOLTS, 60 CPS, 0.06 AMPS, CONN		10/31/44 1/	Q-4111	37-J-890 P5				
CCX- 29308 QJB  TIME DELAY RELAY:  CONSISTS OF AC MOTOR RATED 103 TO 106  YOLTS, 60 CPS, 0.06 AMPS, CONNECTED  THROUGH GEAR TRAIN TO OPERATE SPOT  MITTERWITTENT, OTHER, 2100 TURNS #36 EN.  CU WIRE, 500 OHMS RES. 230V DC INTER-  MITTENT,  THEROX-SHITCH, MOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER, TUNING  INTERWITTENT,  MITTENT,  #34 IH. CU WIRE, 980 OHMS RES. 230V DC  INTERMITTENT, OTHER, 2100 TURNS #36 EN.  CU WIRE, 500 OHMS RES. 230V DC INTER-  MITTENT,  #374 IH. CU WIRE, 980 OHMS RES. 230V DC  INTERMITTENT, OTHER, 2100 TURNS #36 EN.  CU WIRE, 500 OHMS RES. 230V DC INTER-  1500 OHMS RES. 230V DC INT		DEC. 44 CC	11L:S#1315391	REV 6				- 6
TIME DELAY RELAY:  CONSISTS OF AC MOTOR RATED 103 TO 106  VOLTS, 60 CPS, 0.06 AMPS, CONNECTED  THROUGH GEAR TRAIN TO OPERATE SPOT  MICRO-SWITCH, MOUNTED ON METAL BASE AND  PROVIDED HITH REMOVABLE COVER, TUNING  INTERVAL 60 TO 72 SIGNALS OPERATION WITH  10/28/44 44539  CM: KS-5839 ISS 4  NOV. 44  MANUFACTURER'S MANUFACTU			- G					
TIME DELAY RELAY:  CONSISTS OF AC MOTOR RATED 103 TO 106  VOLTS, 60 CPS, 0.06 AMPS, CONNECTED  THROUGH GEAR TRAIN TO OPERATE SPOT  MICRO-SWITCH, MOUNTED ON METAL BASE AND  PROVIDED HITH REMOVABLE COVER, TUNING  INTERVAL 60 TO 72 SIGNALS OPERATION WITH  10/28/44 44539  CM: KS-5839 ISS 4  NOV. 44  MANUFACTURER'S MANUFACTU	CCX+ 29308 DIR				, -			
THE DELA RELAY. RELAY. OVERLOAD  CONSISTS OF AC MOTOR RATED 103 TO 106  YOLTS, 60 CPS, 0.06 AMPS, CONNECTED  THROUGH GEAR TRAIN TO OPERATE SPOT  MICRO-SMITCH, MOUNTED ON METAL BASE AND  PROVIDED WITH REMOVABLE COVER, TUNING  INTERVAL 60 TO 72 SIGNALS OPERATION WITH  10/28/44 44539 CM:KS-5839 ISS 4  NOY. 44  FIGURE 1  ASSIGNABD  INSURAL  ASSIGNABD  INTERVALETION  INTERVALETION  ASSIGNABD  INTERVALETION  INTERVALETION  INTERVALETION  AND AMBURACTURERS  ASSIGNABD  INTERVALETION  AND AMBURACTURERS  AND CONTROL VERLOAD  RELAY, OVERLOAD  SPST, NORMALLY CLOSED. CONTACT RATINGS:  5 AMPS AT 115V D  INTERRUPTED: 6.0 AMPS AC UP TO 600V.  HORMAL SETTING ST  AND						CAY- 2931	8 TBK-9	
VOLTS, 60 CPS, 0.06 AMPS, CONNECTED THROUGH GEAR TRAIN TO OPERATE SPOT MICRO-SMITCH, MOUNTED ON METAL BASE AND PROVIDED WITH REMOVABLE COVER, TUNING INTERVAL 60 TO 72 SIGNALS OPERATION WITH 10/28/44 44539 CM:KS-5839 ISS 4 NOV. 44 FIGURE 1 ASSIGNAB NOV. 44 FIGURE 1 ASSIGNAB ANDURACTURERS AMANUFACTURERS AMA								
THROUGH GEAR TRAIN TO OPERATE SPOT HITCO-SUITCH, MOUNTED ON METAL BASE AND HITTENT, MOUNTED ON MORRAL SETTING 32 AMPS AT 115V D NORRAL SETTING 32 AMPS AC UP TO 600V.  NOV. 44 FIGURE 1 ASSIGNED ISSUED ASSIGNED ISSUED BEC. 44 COIL:5#501695 REV 10					١.			ONTACT RATINGS:
MITTENT.  230V DC INTERRUPTED, 1,2 AMPS AT 115V D PROVIDED WITH REMOVABLE COVER, TUNING INTERVAL 60 TO 72 SIGNALS OPERATION WITH 10/28/44 44S39 CM:KS-5839 ISS 4  NOV. 44  FIGURE 1  ASSIGNED ISSUED  ASSIGNED ISSUED  AMANUFACTURER'S MANUFACTURER'S			O OHMS RES. 2	SOV DC INTER-				
PROVIDED HITH REMOVABLE COVER, TUNING  INTERRUPTED: 6.0 AMPS AC UP TO 600V.  INTERRUPTED: 6.0 AMPS AC UP TO 600V.  NORMAL SETTING 32 AMPS TWO MEATERS RATE  10/28/44 44539 CM:KS-5839 ISS 4  NOV. 44 FIGURE 1  ASSIGNED ISSUED  ASSIGNED ISSUED  AMANUFACTURER'S MANUFACTURER'S AMPS TO FREE ISSUED  AMANUFACTURER'S MANUFACTURER'S AMPS TO FREE ISSUED  AND MANUFACTURER'S MANUFACTURER'S AMPS TO FREE ISSUED  AND MANUFACTURER'S MANUFACTURER'S AMPS TO FREE ISSUED		MITTENT,			_			
INTERVAL 60 TO 72 SIGNALS OPERATION WITH  10/28/44 44S39								
10/28/44 44S39 CM:KS-5839 ISS 4  NOV. 44  FIGURE 1  ASSIGNED ISSUED			1. T. C	10 miles				
NOV. 44 FIGURE 1 ASSIGNED 11/6/44 S-860064 "TAN" 58-A-763 ASSIGNED 155UED 155UED 155UED 155UED 155UED 155UED				1.1				
ASSIGNED DEC. 44 COIL:S#501695 REV 10	FIGURE 1	,		`` '		11/6/44 S	-860064 "TAN"	58 - A - 763
MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S	ASSIGNED					DEC. 44 C	OIL:S#501695	REV 10
DESIGNATION DEAVING NUMBER DESIGNATION SECURITY WILLIES DATE SECURITY OF THE PROPERTY OF THE P		, 04TE M	AMUFACTURER'S	MANUFACTURERY	IZZUED		MAMINEACTURES	MANUELONIA
	DESIGNATION DEAWING NUMBER	- 2012	DESIGNATION	DRAWING HUXTER		DATE	DESIGNATION	ATTIVITY SHAPEND

DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING	NAVY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
CAY- 29318 POT TO PREVENT OPERATION DUE TO SHOCK, ADJUSTMENT RANGE ± 20% OF MORNAL SET- TING.	CAY- 29323 TBL-2 CONTACTOR: SPST, WITH TMO AUXILIARY SINGLE POLES NORMALLY OPEN. CONTACT RATING - CONTACT WILL CLOSE 500 AMPS OC HAX. AND CARRY 300 AMPS CONTINUOUSLY. TIME RELAY VAR- ###ACAY ENG HANDEK PAGE 1175.0001 DATE 5-1-41 11/7/44 AT-145#845831 ##SEE ABOVE DEC. 44 COIL:S#895672	CSD-293 SISTOR MUST BE USED IN SERIES MITH I CASE, WHEN OPERATING AT 115 VOLTS A OHM RESISTOR IS USED. THE RESISTORS HOT INCLUDED IN THE HAVY TYPE DESIGN TIONS.
CAY- 29319 TBK-9 RELAY, OVERLOAD SPST. NORMALLY CLOSED. CONTACT GATINGS: 5 AMPS AT 600V CONTINUOUS: 0.5 AMP AT 230V DC INTERRUPTED: 1.2 AMPS AT 115V DC INTERRUPTED: 6.0 AMPS AC UP TO 600V. NORMAL SETTING 17 AMPS, TWO HEATERS RA- TED AT 17 AMPS EACH. MANUAL RESET. OIL 11/6/44. S-860064 "TAN" 58-A-763 DEC. 44 COIL:S#474422 REV 10	CAY- 23723  IABLE 0.5 TO 6. SECONDS. COIL DATA: HAIN COIL - 115 TO 1259 OC INTERMITTENT, 4900 TURNS #29 WIRE, 257 OMMS RES. NEUTRALIZING COIL - 169 DC. CONTINUOUS, 1500 TURNS #29 WIRE 57.5 OMMS RES. SIMILAR TO -29322 EXCEPT COIL.	CSD- 29328 TBL-3  CONTACTOR:  DPST, 1 BREAK PER CIRCUIT, NORMALLY WITH BLOW-OUT COIL. CONTACTS RATED 1 230V DC. COIL DATA - 115V AC. 60 CYC 0.75-2.0 AMPS, 4200 TURNS #32 WIRE. SISTANCE 180 OHMS ±7.54. RESET COIL OPERATES ON 115V DC, 620 OHMS. 11/9/44 CXA-1970 CAY:T-76099 DEC. 44 P4 REV 1
CAT- 29319 DASH POT TO PREVENT OPERATION DUE TO SHOCK. ADJUSTNENT RANGE 80%-1204 OF SETTING.	CAY- 29324 TBK-9  CONTACTOR:  OPST WITH ONE NORMALLY OPEN INTERLOCK  AND ONE NORMALLY CLOSED INTERLOCK WITH  BLOHOUT. CONTACT RATINGS. 50 AMPS AT 600  VOLTS (8 HOUR) 60 AMPS AT 600 VOLTS (1  HOUR) WITH 200 AMPS INTERRUPTING CURRENT.  COIL DATA: 150 VOLTS DC 15000 TURNS "32  I1/7/44 22-C-24,8*598217 CAY:1-A-698  FEB. 45 COIL S#285641	CSD- 29329 TBL-7 RELAY: 3 PST, NORHALLY OPEN, CONTACTS RATED AMPS AT 230V DC. COIL DATA - 05V DC 454-234; 10500 TURNS #35 WIRE. RESIS 1000 OHMS 17.5%. OPERATES IN SERIES A 2500 OHM RESISTOR NOT INCLUDED IN NAVY TYPE DESIGNATION. SAME AS 29331 11/9/44 CXA-2996 CAY:1-76092 DEC. 44 P 8 REY I
CAY- 29320 TBK-9 RELAY, OVERLOAD; SPST, NORMALLY CLOSED. MANUAL RESET. CONTACT RATINGS; 5 AMPS, 600V CONTITUOUS; O.5 AMPS 230V DC INTERRUPTED; 1.2 AMPS 115V DC INTERRUPTED, OIL DASH POT TO PREVENT OPERATION DUE TO SHOCK. NORMAL SETTING 58 AMPS ± 201. TMO MEATERS RATED 11/6/44#860065 TTAN" 58-A-763 DEC. 44 COIL:S#474452	CAY- 29324 UNENAMEL WIRE, 1000 OHMS DC RES.	CSD-293; EXCEPT FOR AUXILIARY ARM AND BAR IN MOVING CONTACT.
CAY- 29320 AT 58 AMPS EACH. ADJUSTMENT RANGE ± 20% OF NORMAL SETTING.	CSD- 29325 TBL-3  RELAY: DPDI. THO MAKE AND THO BREAK CIRCUIT. CONTACTS RATED 2 ''PS AT 220V OC, 10  ANPS AT 10V AC. COIL RATED 2 20V DC ±20%. 15000 TURNS WIRE SIZE #39. RESISTANCE - 3200 OHMS WITHIN 7 1/2%. OPERATED IN  SERIES WITH A 3000 OHM RESISTOR NOT IN- 11/8/44 CX-2122 CAY:T-7609921 P 6  DEC. 44 REV 1	CSD-29330 TBL-7 RELAY: 3 PST, I BREAK PER CIRCUPT, NORMALLY OPEN. CONTACTS RATED 5 AMPS AT 110V COIL DATA - 60V AC OR 110V AC. ±10X TURNS 229 HIRE. RESISTANCE 75 OHMS ± OPERATES IN SERIES WITH A 175 OHM RE SISTOR NOT INCLUDED IN THIS NAYY TYP 11/9/44 CXA-2997 CAY:T-76099 DEC. 44 P9 REV I
CSD-29321 TBL-2  RELAY: DPST. NORMALLY OPEN. NO BLOW OUT COILS.  CONTACT RATINGS 1 AMP AT 230 VOLTS DC.  COIL DATA: 115V OR 230V OC: -2354455  VOLTAGE. 4200 TURNS #32 WIRE. RESISIANCE  WITHIN 7 1/25-180 OHMS.	CSD-29325 CLUDED IN THIS NAVY TYPE DESIGNATION.	CSD- 293 DESIGNATION. SIMILAR TO -29332 EXCEP FOR AUXILIARY ARM AND BAR IN MOVING CONTACT.
11/6/44 CX-1969 CAY:T-7606138 DEC. 44 PT 6-7, REV 9		
CAY-29322 TBL-2 CONTACTOR, ACCELERATING: SPST, WITH 1HO AUXILIARY SINGLE POLES NORMALLY OPEN, CONTACT RATING - WILL CLOSE 500 AMPS OC MAX, AND CARRY 300 AMPS CONTINUOUSLY, TIME DELAY VARIABLE 0.5 TO 6.0 SECONDS, COIL DATA: ACAY ENG HANDSK PAGE 1175,0001 5-1-41 11/17/44 AT-145/845831 *SEE ABOVE DEC. 44 COIL-S/895671	CSD- 29326 TBK-II  RELAY: SPST. ONE BREAK PER CIRCUIT, NORMALLY CLOSEO. CONTACTS RATED 5 AMPS, 110V AC. COIL DATA: 3300 TURNS #31 WIRE. RESIS- TANCE 105 OHMS ±7.5%. COIL OPERATES AT IIV AC ± 10%, 60 CYCLES. HAS MAGNETIC 8LOWOUT. 11/8/44 CX-2120 COIL CAY:T-7609921,P5 DEC. 44 TYPE "AB" REV 1	CSD- 29331 TBL-5  RELAY: 3 PST, NORMALLY OPEN. CONTACTS RATED AMPS AT 230V DC. COIL DATA: 85V DC.+ 454-258, 10500 TURNS #35 WIRE. RESIS' 1000 OHMS ±7.54. OPERATES IN SERIES IA 2500 OHM RESISTOR NOR INCLUDED IN NAYY TYPE DESIGNATION.  11/9/44 CX-2996 CAY:T-76061: DEC. 44 P 15 REV 9
CAY- 29322 MAIN COIL 230-250V DC INTERMITTENT 9600 TURNS #32 MIRE 9300 25°C. NEUTRALIZING COIL - 32V DC CONT. 3000 TURNS #32 MIRE 230Q, 25°C.	CSD-29327 TBL-2 RELAY: DPST, 2 MAKE CONTACTS WITH BLOW-OUT COIL, NORMALLY OPEN. CONTACTS RATED 1 AMP. 250V DC. COIL TO OPERATE AT 115 OR 250V DC. +45x-23x. 15000 TURNS #39 WIRE. RESISTANCE - 3200 OHMS ±7 1/2x. WHEN OPERATING ON 250 VOLTS A 3000 OHMS RE- 11/8/44 CX-1970 CAY:1-7509921,PT283	CSD- 29332 TBL-5  RELAY: 3 PST, ONE BREAK PER CIRCUIT, NORMALI OPEN. CONTACTS RATED 5 AMPS AT 1100 x COIL DATA: 60V AC OR 110V AC ±10%. 31 TURNS #29 MIRE. RESISTANCE 75 OMMS ± OPERATES IN SERIES WITH A 75 OMMS RETOR NOT INCLUDED IN THIS NAVY TYPE DI 11/9/44 CX-2997 CAY:T-76061:

DESIGNATION FIRST ASSIGNED FOR ON SYECTERS THE	SH DESIGNATION FIRST ASSIGNED FOR ON SYLE	PRAZINON DESKLATION FIRST ASSIGNED FOR ON ASSECTED THE
SIGNATION.	RELAY, SENSITIVE SPSI, NORWALLY CLOSED: CONTACT: AMPS, 110 VOLTS A-C. 0.25 AMPS D-C. SINGLE OPERATING COIL RATE D-C. 54 OHMS ± 10% DC RES., OPE 75 MA, HOLDS ON 25 MA. COIL HAS CORE. 11/22/44 GX-18 CW:KS	. 110 VOLTS SPOT AND ONE SPST, NORMALLY OPEN, EACH SPST CONTACTS RATED 115V DC.O.17 AMP AN ERATES ON FACH SPST CONTACTS RATED 115V DC.O.27
CSD- 29333 TGL-5  RELAY: 3 PSI, HORMALLY OPEN, CONTACT RATIM AMPS AT 115V DC. COIL DATA - 60V DC 454, - 235; 6000 TURNS #32 WIRE. RE TANCE - 290 OMMS ± 7 1/24.  11/9/44 CX-2995 CAY:T-7606 DEC. 44 P 14 REV 9	+ MALLY OPEN CONTACTS MOUNTED ON SIS- BASE AND INTERLOCKED SO THAT GO NOT BE OPERATED SIMULTAHEOUSLY CAN BE RELEASED AT THE SAME TILL TACTS OF ONE RELAY RATED IO AMI	COMMON OTH CAN HE CON- PS AT 120V -529151
CSD- 29334 TBL-7  RELAY: 3 PST, HORMALLY OPEN, CONTACT RATHE AMPS AT 115V DC, SOIL DATA: 60V DC 454-215; 6000 TURNS #32 WIRE, RESIS 290 OHMS ±7 1/21, SAME AS -29333 E CEPT FOR AUXILIARY ARM AND BAR IN T MOVING CONTACT. 11/9/44 CXA-2995 CAY:T-7609 DEC, 44 P 7 REV 0	G 5 OTHER RELAY RATED 10 AMPS AT 12  + AMPS AT 24V DC. EACH COIL RATE  TANCE 80V DC PICKUP, 12 V DC MAX. 20  X- RELEASE; 3150 OHMS DC RESISTAN	20VAC. 6.5 CONSISTS OF ONE SAST HORMALLY OPEN AND DISTORY OF ONE SAST HORMALLY CLOSED. NORMALLY OPEN ADDITIONALLY OPEN ADDITIONALLY OPEN ADDITIONAL OF THE CONTACT RATED LIST DESCRIPTION OF THE CONTACT RATED LIST DESCRIPTIO
CB 29335 AN/TPS-18 CONTACTOR DC: 3 PST NO. SINGLE OPERATING COIL. CO RATED 0.4 AMPS AT 26V DC (22.5-29.5 74 OHMS DC RESISTANCE, 4000 TURNS # MIRE. CONTACTS RATED 25 AMPS. AT 30 VOLTS DC.  11/10/44 X-97376 CH:KS-1507 DEC. 44 ISS. 1 APP	THREE BANK, 10 CONTACTS, 11 PO:  NITH SPECIAL 2 OFF-HORMAL CONT.  COLLS FOR 115V DC OPERATION. C.  155 OHMS, CONNECTED IN PARALLE!  COLL #2 (150 OHM RESISTOR IN SI  THEEN COILS 2 & 3); COLL #2. 9  11/25/44 H-77670-1 CG:M-	VICE B RELAY, TELEPHONE TYPE SERVICE B SILLORS CONSISTS OF 2 BANKS: BANK "A" HAS ONE OTTS. SPOT, & ONE SPST NORMALLY CLOSED: BANK OIL #1. "B" HAS ONE SPST NORMALLY OPEN AND ONE L WITH SPST NORMALLY CLOSED. CONTACT RATINGS: ERIES BE-BANK "A". SPST. 1157 DC O. 3A SPOT. 1157
CAO- 29336 QJB RELAY, MAGNETIC OVERLOAD: SPST HORMALLY CLOSED. CONTACT RATIM 115V, 60 CPS. 6 AMPS AC; 230V. 60 C 4 AMPS AC; 440V, 60 CPS. 2 AMPS AC; 2 AMPS AC & 230V. 1 AMP DC. COIL: 2 TURNS #15 E WIRE: TRIPPING CURRENT AMPS AC. MANUAL RESET. 11/13/44 N S6 16253.67 DEC. 44 COIL: 121115	GS: COLL #3. 275 OHMS (150 OHM RES SERIES BETHEEN COLLS 28 3) RES PS. INCLUDED IN THIS HAVY TYPE DES 1154	AMP; SPSI, NO. 1159 DC, U.Z AMP.
CTJ- 29337 LS-101/GR RELAY ASSENBLY: CONSISTS OF A HAVY TYPE -49874 PLUG A AUTOMATIC ELECTRIC TYPE RA-BA STE RELAY MOUNTED IN A BOX. RELAY COUST OF FOUR BANKS OF 11 SPST HORMALLY O CONTACTS. CONTACTS TO CARRY 3 AMPS. COIL RATED 110V. CONSISTS OF 7400 T 12/5/44 ZQ-277 PCK574A-12 BEC. 44	AND CONSISTS OF OME SOOT, AND ONE P P MALLY OPEN. SPDT CONTACTS RATE O,OI AMP. SPST CONTACTS RATE O,OI AMP. CONTACT LOAD LIMIT, HAKE, 155 MATTS (MAX. 3 AMPS). URNS LOAD LIMIT, CARRY 150 MATTS (M 11/25/44 AQA:H-77827-1 CGIM- DEC. 44 PT 1.	VICE B SPST, NGA- D 100V DC 115V DC. BREAK OR CONTACT AX 3 AMPS) 7475307- PEV S.  CAU- 29947 XIDZ & TDZ 17-R-6 RELAY, TELEPHONE TYPE SERVICE B SPST, NGAMALLY OPEN, RATED 12V DC. 0.7 AMP. COIL RATED 155V DC. 2500 ± 10\$ OH INSTANTANEOUS CLOSE RELEASE TIME 0.7 IC OSEC.  CONTACT AX 3 AMPS) 7475307- PEV S.  11/27/44 BSR:H-77728-2 CG:P-7767675.
CTJ-293 OF #37 WIRE, 650 OHMS DC RES.	COIL RATED 115V DC. 1000 OHMS.	- 29342 CALL 29349 VIDT 4 VOT 17-8-6
CAOX- 29338 ANJURA-T2 17R6 RELAY SPOT, CONTACTS RATED 10 AMPS. COIL. TURNS #24 EC WIRE, 2.25 OHMS DC RES TANCE, RATED 6.3 YOLTS AC.	CLOSED. SPDT CONTACTS RATED 111 AMP, SPST CONTACTS RATED 115V I AMP. DOUBLE COIL RATED 12V DC. OHMS.	R-6 VICE B NORTHALLY 12V DC, 250 ± 10% OHMS. 5V DC, 0.4 DC, 0.07 83/83
11/17/44 R-39C CKV:A-722C	ASSIGNED DEC. 44 PT 1.	REV 6 ASSIGNED ISSUED
DATE MONEYCOTHER'S MANNING THREE	DATE MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S	

MANUAL RESET ADJUSTMENT RANGE 2	HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		DESTANTION .	FIRST ASSIGNED FOR	ON SPECIFICATION		MAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	or sylchroxhon
CO- 29359  REQUIRES RESISTORS FOR DEEATION,  A PAIR CONTACT OFF.  A PAIR	RELAY CONSISTS OF TACIS. AND RATINGS 6.5 AMP AT 230V DC AND 0.5 115/230V DC	F 4 SPST, NORMA 2 SPDT, NORMAL 5 ANP, 440 VOL- 5 ON TERRUPT AMP AT 230V DI C, OR 110V AC,	SERVICE A ALLY OPEN CON- LLY CLOSED. SP: TS AC. CLOSES 1.5 AMP AT 11: C. COIL RATED 50/60 CYCLES, CG:P-7767220,	8	HAS 13,350 WITH 1210 SECONDS. R	TURNS #33 EN OHMS DC RES. RI ESET CONTACT R	. WINDING #2 COPPER WIRE ESET TIME 45		MANUAL RE NORMAL SE	TTING. OIL DASH	
DEC. 44 COILE/1303512 REV 9  DEC. 44 COILE/1303512 REV 9  DEC. 44 COILE/1303512 REV 9  DEC. 45 SPITE CONTACTS AND 2 SPOT, NORMALLY OPER CONTACTS, AND 2 SPOT, NORMALLY CLOSE O. CONTACTS RATE AND 2 SPOT		ESISTORS FOR O	cg- 29349		CONTACTOR: MAIN CONTA INTERLOCKS MALLY CLOS AT 250V DC A WINDING PER HIRE W	CT DPST NORMALLY , ONE NORMALLY ED. CONTACT RA . COIL DATA: R #1 HAS 3520 TU ITH 220 OHMS D	OPEN AND 2 NOR TINGS: 50 AMPS ATED 230 VOLTS. RNS. #30 EN COP C RES. HINDING	•	RELAY, OV SPST NORM 5 AMPS - VOLTS DC. 6.95 AMPS JUSTMENT	ERLOAD ALLY CLOSED. CO 440 VOLTS AC AN HEATER (S#1265 , MANUAL RESET RANGE. PART OF	D 1 AMP - 230 715) RATED AT 90 TO 110\$ AD CAY -211228.
CC-29350  RUPT 1.5 AMP AT 115V DC. OR 0.5 AMP AT 215V DC. OR 0.5 AMP AT 250V DC. OR 0.5 AMP	RELAY CONSISTS OF TACTS, AND FIRST 2 SPS 115V AC, OR SPST RATED WILL CLOSE	F 4 SPST, NORMA 2 SPDT, NORMAI ST TO CLOSE ARE R 0.25 AMP 115' 6.5 AMP, 440' AT 8 AMPS, 230	SERVICE A ALLY OPEN CON- LLY CLOSED. E RATED 0.25 A: V DC; OTHER TW VOLTS AC, OR OV DC, INTER-		#2 HAS 26, WITH 4850 SECONDS. R	OILS#1303532  700 TURNS #36 I OHMS DC RES. RI ESET CONTACT I	CAY- 29354 EN COPPER WIRE ESET TIME 45		CAY- 293 CONTACTOR DPSI - NO LOCKS ONE CLOSED, C VOLTS. CO 4400 TURN	S#1265715  60 TBL-13  RMALLY OPEN, WI NORMALLY OPEN ONTACTS RATED 21L DATA: 88 TO S WIRE SIZE #27	AND ONE NORMA 5 AMPS AT 600 167 VOLTS DC:
MAR. 45  REV B  MAR. 45  REV 7  COP 29351 XIDZ 4 TDZ 17-R-6  SERVICE A SEX 20 ORDS COST. SERVICE A SELAY SPST INGRALLY CLOSED (MAIN CONTACT SPST INGRALLY CLOSED (MAIN CONT	DEC. 44	4P AT 115V DC.	CG-29350 OR 0.5 KMP AT		RELAY 3 PST, NOR AMPS 115V OHMS DC RE IN AT 16-1	MALLY OPEN. COM AC MINIMUM. COM SISTANCE (±10%)	STACTS RATED 5 IL DATA: 250 ; RELAY PULLS		12/4/44 JAN. 45  CAY 2936 RELAY, OV SPST NORH 5 AMPS - ER (S#126	1M-120 1 TBL-13 ERLOAD ALLY CLOSED. CC 440V AC. I AMR 5725) RATED AT	NTACT RATINGS - 230V DC. HE 20.5 AMPS. MA
SELAY SPST, NORMALLY CLOSED, RATED 0.25 AMP, 115V DC; OR 5 AMPS, AT 250 OHNS 1:03 DC RESISTANCE; RE-LAY TO PULL-IN AT 16-18 VOLTS IMPUT, AND CREST RATING; TEST OF CLUB, AMPS, AT 250 DC; OR 5 AMPS, AT 250 DC					11/29/44 B					aM! #	CAY:36-J-639 REV 7
CAY- 29352 XTDZ & TDZ  CRELAY, TIME DELAY:  OPERATING VOLTAGE TIOV, 50/50 CYCLES.  SWITCH #1: ONE SET NORMALLY OPEN CON- TACTS, 110V AC, 10 AMPS. SWITCH #2: ONE SET NORMALLY OPEN CON- TACTS, 110V AC, 10 AMPS. SWITCH #2: ONE SET NORMALLY OPEN CON- TIS/230V DC. 0.1 AMP, TIME DE- LAY: SWITCH #1 CLOSES 60 SEC, ½2 SEC; T1/27/44 5900 SERIES CC:P-7766674  MAR. 45  CAJN- 29352  SWITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAJN- 29352  SWITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #2 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #3 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29353  WITCH #3 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29354  CAY- 29355  WITCH #3 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29356  CAY- 29356  WITCH #3 CLOSED. CONTACT RATINGS:  OF A NORMAL SETTING. OIL DASHPOT. PART  OF 212344.  CAY- 29355  WITCH #3 CLOSES 1/2 SEC. AFTER SWITCH  CAY- 29356  CAY- 29356  CAY- 29356  CAY- 29356  CAY- 29356  TBL-3  CAY- 29356  CAY- 29356  TBL-3  CAY- 29356  CAY- 29356  TBL-3  CAY- 29356  TBL-3  CAY- 29356  CAY- 29356  TBL-4  CAY- 29356  TBL-3  CAY- 29356  TBL-3  CAY- 29356  TBL-4  CAY- 29356  TBL-3  CAY- 29356  TBL-3  CAY- 29356  TBL-3  CAY- 29356  TBL-3  CAY- 29356  TBL-4  CAY- 29356  TBL-3  CAY- 29366  TBL-3  CAY- 29366  TBL-3  CAY- 29366  TBL-3  CAY- 29366  T	RELAY SPST, NORMA 115V DC; OR TING: TREPE RES. 5.7 OF RESET RATIN RES. 42 OH 11/27/44	ALLY CLOSED, RARE SAMPS, AT 1 PING CURRENT OF THIS CONT. CURNING: 1107 50/60 MS.	SERVICE A ATED 0.25 AMP, 15V AC. COIL R .80 AMP, COIL RENT 0.64 AMP. CYCLES. COIL CG:P-7767078,	A.	RELAY: DPDT, CONT DATA: 250 LAY TO PUL DROP OUT A	ACT RATINGS 1 OHMS ±104 DC RI L-IN AT 16-18 T 8.5 VOLTS OR	ESISTANCE; RE- VOLTS INPUT, AN LESS. CKB:36-A00A033	D	RELAY SPST NORM SPST INTE ONE NORMA AMPS AT 2 COIL DATA CU. WIRE.	ALLY CLOSED (MARLOCKS ONE HORM LLY CLOSED. CON 50V DC. WILL CL : 115 VOLTS, 42 DC RESISTANCE	ALLY OPEN AND STACTS RATED: OSE 400 AMPS. OO TURNS #30
RESET. ADJUSTMENT RANGE + 120 %.90%.  OF A NORMAL SETTING. OIL DASHPOT. PART  OF 21234A.  RESET. ADJUSTMENT RANGE + 120 %.90%.  OF A NORMAL SETTING. OIL DASHPOT. PART  OF 21234A.  RESET. ADJUSTMENT RANGE + 120 %.90%.  RELAY, OVERLOAD  SPST NORMALLY CLOSED. NAMUAL RESE JUSTMENT RANGE - 085 TO 115% OF RESETTING TIME 20 SECOMOS. CONTACE  BORKING VOLTAGE 440V AC. COIL DATA  HAIR CONTACT DPST HORMALLY OPEN; WITH 3  SPST NORMALLY CLOSED. NORMAL  SPST NORMALLY CLOSED. CONTACT RATINGS:  1/2 AMP AT 230VDC INTERRUPTED, 1.2 AMPS  AT 115V DC INTERRUPTED, 5 AMPS AT 600V  AT 250V DC. COIL DATA: RATED 115 VOLTS.  DC CONTINUOUS. C AMPS AT 600 VOLTS  CONTACTS RATED: 5 AMPS AT 440V AC. COIL DATA:  MINDING ## HAS 1760 TURIS #30 EN COPPER	CHP- 2935 RELAY, TIME OPERATING V SWITCH #1: TACTS, 110V SET NORMALL 10 AMPS; 11 LAY: SWITCH	E DELAY: VOLTAGE 110V, 5 ONE SET NORMAL V AC, 10 AMPS. LY OPEN CONTACT 15/230V DC, 0. H #1 CLOSES 6	50/60 CYCLES. LY OPEN CON- SWITCH #2: ONI TS, 110V AC, I AMP. TIME DE O SEC. ±2 SEC; CG:P-7766674		CAY- 2935 RELAY, OVE SPST NORMA 0.5 AMPS A AT 115V DC CONT. 6 AM (S #47442 \$"860064	RLOAD: LLY CLOSED. CO I 230V DC INTE INTERRUPTED, PS AC TO 600 V ) RATED AT 34 TAN" "HEATER:S	NTACT RATINGS: RRUPTED 1.2 AM 6 AMPS AT 600V OLTS. HEATER AMPS. HANUAL #474429	S	CAY-2936 CONTACTOR SPST, ONE INGS: 25 300 AMPS COIL DATA #35 WIRE.	TBL-3  NAKE INTERLOCA AMPS AT 440V AC INTE 1 440V AC INTE 1 440V AC INTE DC RESISTANCE DN-130N #973644	C. CONTACT RA C. CONTINUOUS ERRUPTING CAP ES, 6000 TUR 820 OHMS.
CONTACTOR:  RELAY, THÉRMAL OVERLOAD  MAIN CONTACT DPST HORMALLY OPEN; WITH 3  SPST HORMALLY CLOSED. CONTACT RATINGS:  1/2 AMP AT 230VD C. INTERRUPTED, 1.2 AMPS  MALLY CLOSED. CONTACT RATINGS: 50 AMPS  AT 250V DC. COIL DATA: RATED 115 VOLTS.  WINDING #1 HAS 1760 TURBS #30 EN COPPER  RELAY  RELAY  SPST HORMALLY CLOSED. MORMALLY CLOSED. MORMAL RESI  JUSTRENT RANGE ± 10% - TIME 20 SE  CONTACT RATINGS: 50 AMPS AT 600V  CONTACT RATED: 5 AMPS AT 600V  CONTACT RATED: 5 AMPS AT 440V AC. COIL DATA:  #1190155) RATED AT 440V AC. COIL DATA:		CLOSES 1/2 SEC.			OF A NORMA	L SETTING. OIL	+ 120 %90%.		RELAY, OV SPST NORM JUSTMENT RESETTING ED: 5 AMP WORKING V AMPS. 28 12/5/44	ERLOAD ALLY CLOSED. M RANGE -85 TC 1 TIME 20 SECONI S CONT, 1 AMP OLTAGE 440V AC. TURNS .081 X NG S#1186641	ISS OF RATING OS. CONTACT R. INTERRUPTED COIL DATA: 129 WIRE. CAY:32-J-15
11/23/44 IH-220 SEE ABOVE 12/4/44 S#860064 CAY:58-A-763   12/5/44 MG #1186641 CAY:32 DEC. 44 COIL S#1303531   ASSIGNED   FEB. 45 TAN 0   ASSIGNED   JAN. 45   REV 9	CONTACTOR: MAIN CONTAINTERLOCKS MALLY CLOS AT 250V DC WINDING #1 4CAY:37-J-	CT DPST HORMALL, OME NORMALLY ED. CONTACT RA. COIL DATA: R HAS 1760 TURN 922, REV 9 45-H-220	OPEN AND 2 NO TINGS: 50 AMPS ATED 115 VOLTS IS #30 EN COPPE J-406 PI, REV	R -	RELAY, TH SPST HORM 1/2 AMP A AT 115V D DC CONTIN CONTINUOU OHEATER:S 12/4/44	ERMAL OVERLOAD ALLY CLOSED. CO T 230VDC INTER C INTERRUPTED. VOUS. C AMPS A S HEATER (#551 #551938 S#860064	RUPTED, 1.2 AMP 5 AMPS AT 600V 1 600 VOLTS AC 938) RATED AT	s .	RELAY SPST NORM JUSTMENT CONTACTS AGE 1 AMP #(1190155 WIRE SIZE 12/5/44	ALLY CLOSED. NO RANGE ± 10% - RATED: 5 ANPS AT 440V AC. CO ) RATED AT 6.7; #13.	TIME 20 SECON AT WORKING VO DIL DATA: 2 AMPS. 52 TU CAY:32-J-15

NAVY TYPE DESIGNATION FIRST	ASSIGNED FOR	NAVY DRAWING		HAVY TYPE DESIGNATION	FIRST ASSIGNED F	OR OR SPECIFICATION		HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION
	TO1 - 1 7			007	73					
CAY - 29366 RELAY, OVERLOAD	TBL-13		-	CEE- 293'		/. <b>y</b>	1 ,	cs1 - 233	78 UJ	
SPST NORMALLY C	LOSED. MAN	UAL RESET AD-				TS RATED 4 AMPS,		PELAY		
JUSTMENT RANGE	90 TO 1105	- RESETTING		115V. 60~	; 1500Ω; 30 S	SECOND DELAY: IN	l <b>-</b>	SPOT. CON	TACTS RATED TE	O WATTS AT 110V
TIME 45 SECONDS			0.0			HEATER SEALED I	N .			DATA: 5000 OHMS
INGS: 5 AMPS AT HEATER RATING 4		ARP AT 230V	DC	TUMGSTEN		RONG UX BASE.		DC RESIST	A ij CE +	
12/5/44 #HI#		CAY:36-J-639		12/27/44	8-1504	CBM:746-150	τ			
JAN. 45		REV 7		MAY 45		ALT O		12/29/44	4AH .	CDU:DD-3265-A-
,	195							FEB. 45		
CAY-29367	TBL-13			CATH 293	74 ° NJ 7. 9	9				•
CONTACTOR				RELAY				CAY - 293		
DPST NORMALLY OF						S AMPS AT 6V TO		CONTACTOR		INTERLOCK, ONE
ONE NORMALLY OPI CLOSED. CONTACT:						-INDUCTIVE LOAD; ; 425Ω ± 10% MAX.				CK. CONTACT RAT.
VOLTS. COIL DATA	145 TO	345 VOLTS, 88	15			RMATURE OPEN 84				115V DC. 50 AMP
TURNS #30 EN. CI		E RESISTANCE				LOSED 65 MA; SIL	•	1 HR 200	ILIS 8 MKS. 60 I amps. intermi	AMPS AT 600 VOLT
370 OHMS (S#132)		CAY:37-J-922		*CBN:746-		CBM:777-117				WIRE. 75 VOLTS.
JAN. 45		REV 9			SA 1000XRB8	ALT 3 *			22-C-25 5#5982 COIL:S#285640	17 CAY:1-A-698
00740								JAN. 45	COIL.3#283640	
CAY- 29368 T	TBK-16					CBM- 2937	4			CAY- 29379
3 PST, ONE MAKE	INTERLOC	K. CONTACT RA	т-	BER PLATE	D CONTACTS.			250 OHMS	DC RESISTANCE	
INGS 25 AMPS AT	600Y AC.	25 AMPS AT 44	0 V							
60~ CONTINUOUS. AMPS AT 440V, 60										
AMPS AT 440V, 60 TA: \$#1264359 1					1					
AMPS \$300 TURNS	N.RE SIZ	E #30 RES. 53	Ω.			and the second of				
12/6/44 MDN-130		3 32-J-682 REV 7			1.54	j 3•7 î.	1 1			
CU.L #		V. A. \					544			
CAY- 29369	BL-13			csp- 293	75 NJ-3,4	.7.9				
RELAY, TIMING				RELAY	٠,٠٠٠,٠٠			CAY- 293	80 TCE	
SPST. NORMALLY				2 DPST		PEN. CONTACTS		CONTACTOR	1	
TWO SPST INTERLO AND ONE NORMALLY						C. 4 AMPS TISV D	C			I INTERLOCK, ONE OCK. CONTACT RAT-
150 AMPS AT 250						2 AMPS 230V DC (FOR OIMENSIONS				OLTS 8 HRS., 60
COLL DATA:230 V	LTS. 8400	TURNS 433 EN		ONLY), C8	M:746-328, 7	46-390. OLD CSD		AMPS AT	SOO VOLTS I HR.	. 200 AMPS INTER
CU. WIRE. 1045 ( 1 <b>2/5/44</b>   1AQZ #4		SISTANCE. CAY:37-J-890		TYPE ADBT		*SEE ABOVE				70 TURNS #21 D.C. DC RES. AT 25°C.
JAN. 45 COIL:S				HAY 45		"SEE ABOVE				217 CAY:1-A-698
							1.39	JAN. 45	COIL:S#668974	
CAY 29370	BL-6					cso- 2937	5		04 705	
CONTACTOR				INT. COLL	S RATED 75V (	DC. 12.000 TURNS	-	CAY- 293		
WITH L-7 INTERLO					1600Ω DC RES			CONTACTOR DPST. ONE		N INTERLOCK, ONE
LOCK AND ONE BRE OUT COIL. CONTAC								NORMALLY	CLOSED INTERLO	CK. CONTACT RAT-
600V (8 HR.), 20					•				AMPS AT 600 VO	
RUPTURING. COIL										. 200 AMPS INTER- DO TURNS #24 UN.
#32 UN. EN. HIRE 1 <b>2/6/44</b> 22-C-2/		MS DC RES. Cay:1-a-698						EN. WIRE.	, 25 VOLTS. 1.2	20 AMPS, 27 OHMS
JAN. 45						A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			22-C-2A S#5987 COIL:S#668973	217 CAY:1-A-698
								JAN. 45	0012:3//008373	
CAY 29371 . T	8X-11			CLR- 293	76 s <b>v</b>					20701
OVERLOAD RELAY				RELAY				DC 05010	TANCE AT 25°C.	CAY- 29381
MANUAL RESET, SP Coil rated 16.7						AT 250V DC. THO		DC KESIS	INNUE AT 25°C.	
.182 WIRE. ADJUS	THENT RAN	GE ± 15%. CON				ALLY OPENED, EACH				
TACTS RATED 5 AM	PS AT WOR	KING VOLTAGE.		RATED 30	AMPS AT 110V	AC. 20 AMPS 220	٧.			
AMP AT 440V AC. Time less than 3						INCE 5000Ω RATED (Ternal resistant				
12/7/44 MG #118	6641	32 - J - I 5		12/28/44		CW:BA-10012-5		2		ger to the first
JAN- 45 COIL #1	190164	REV 9		JAN. 45		REV 6				
					Carlotte Control	1.				
21610		CH -2937	1			CLR - 29376	5	CAY- 293	82 TCE .	
21610.				12,00012.	SILVER PLATED	CONTACTS.		CONTACOR		
			- W							NTACTS NORMALLY CONTACT WILL CLOS
		1	1.	1 14			. K			RY 300 AMPS CON-
								TINUOUSL	Y. TIME DELAY	VARIABLE FROM O.
				A				SECONDS	TO 6 SECONDS.	COIL DATA: 1620 VOLTS. 28.3 OHMS
								12/29/44	22-C-24 \$#845	831 CAY:ENG. HD
							* 1			4 PAGE 1175.00
20270 -	01 -10				27 "					
CAY- 29372 THERMAL O				CSD- 223 RELAY	77 ¥					CAY-29382
SPST, NORMALLY C		SLE GREAK. CO!	4-		TACTS RATED	6 AMPS. 120V AC.	OR	DC RES	NEUTRALIZING C	
TACTS RATED: 1 A	MP AT 600	VOLTS DC.	4	247 DC 110	N-INDUCTIVE.	COIL RATED 930			IRE, 6.44, 10	
HEATER RATED	1.0 AMP.	. MANUAL RESET				PERATES AT 6.5 M	A			
				AHD 5.54						
							4			
	0000									
12/22/44 HW S#89 FEB. 45 HEATER:		CAY:65-D-24		12/28/44 FEB. 45	29XAX	. CDU:DD-5065-				
12/22/44 MN 5#89 FEB. 45 HEATER:			ASSIGNED ISSUED	12/28/44 FEB. 45	29XAX	CDU:DD-5065-	ASSIGNED ISSUED			

DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION	DESIGNATION	FIRST ASSIGNED FOR	ON SPECIFICATION	MAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION
SETTING TIM ± 10%. NORM RATING: 5 A AMP AT 440V EN. CU. WIR 12/29/44 MG	LOAD LUY CLOSED. MA E 20 SECONDS A AL SETTING 5.4 MPS. AT HORKIN AC. COIL DATA E. RATED 5.38	G VOLTAGE. 1 : 65 TURNS #13	115-125V I 25°C. NEN	I COIL: 6000 TUR C CONT. 590 OH RALIZING COIL: ISV DC CONT., 61	1500 TURNS #29	CONTINUOL	JS DUTY.	CAY- 2939
RATING: 25 AMPS INTERM CYCLES. 275 OHMS DC RES	ALLY OPEN INTER AMPS CONTINUOU ITTENT, COIL D O TURNS #31 ED . SAME AS -293 1190273 COIL:S	S AT 600V 250 ATA: 220V, 60 CU WIRE, 145 14 EXCEPT FOR	RESETTING RANGE +10: CONTACTS F 1 AMP, AT #MG S#118	RLOAD: MALLY CLOSED. MA TIME 20 SECONDS L. RELAY SETTING	ADJUSTMENT 2.33 AMPS. WORKING VOLTAGE ATA: 150 TURNS	4PSI COMS SWITCH AN MALLY OPE 25 AMP, 3 TACIS RAI NAVY TYPE 1/5/45	92 QJB CONTACTOR SISTING OF A 3PS VD AUXILLARY CO: N. MAIN CONTAC GOV DC 2 AMP. ED 115V 60-5 ( EC 01L 301620 R) CA01:V124A COIL 125L3	WTACT SPST NO IS RATED 440W AUXILLARY COM AMP. INCLUDES
		CAY- 29384			CAY- 29388	CEE - 293	93 SF & SF 1	
COIL VOLTAG	E AND CYCILE OPI	ERATION.	#18 EN CU	WIRE. RATED 2.3		AMPS. AT	MALLY OPEN. CO. 115 VOLTS. HEA ME TOLERANCE 20 0-72°C. SPECIAL	TER RATED 110 D TO 45 SECO
						1/3/45 MAR. 45	MII-CHR4-4AR	SKETCH
RANGE OF AD. MAL SETTING. RESETTING TI HAS BEEN TR	LOAD: LLY CLOSED. MAR JUSTMENT - 10%, . NORMAL SETTII IME: 20 SECOND! IPPED WITH 125 64 HEATER:K-95	+20%, OF NOR- NG: 18 AMPS. S AFTER RELAY % OF FULL LOAD	TACTS NORM CONTACT WI CARRY 300 VARIABLE F WAT-14 SHE	THO AUXILIARY S HALLY OPEN. CONT LL CLOSE AT 500 AMPS. CONTINUOL ROM 0.5 SEC. TO 45831 COIL: S#8 SEE ABOVE CA	ACT RATING: AMPS. DC AND SLY. TIME DELAY 6 SEC. COLL	LOCK PLUS LOCK S#97 SILVER CO IN ITSELF 600Y AC. 1/10/45	RMALLY OPEN, WIT S I NORMALLY CLO 72893, WHICH IS DATACT INTERLOCI CONTACT RATE 25 AMPS 440V 60	A DOUBLE BR UNIT COMPL VGS: 25 AMPS C CRY:32-J-6
600V CONT.O. TED, 1.2 AM 6 AMPS AT AC	.5 AMPS AT 230 PS AT 115V AC, C TO 600 VOLTS L DASH POT TO F	INTERRUPTED. . HEATER RATED	WIRE, 35 T 64.6 OHNS COLL -620	COIL -2500 TUR O 40 VOLTS DC. DC RES. AT 25°C TURNS #25 EN CU OHMS DC RES. AT	CONTINUOUSLY HENTRALIZING WIRE, 6.4V DC	INTERRUP 60~ ± 10	AT 600V AC 150 IING. COIL DATA 0.25 AMPS. 1 RESISTANCE 53	: 115 VOLTS, 300 TURN <b>S</b> #3
							•	
TACTS NORMAL CONTACT WILL CARRY 300 AN VARIABLE FRO #AT-145#845	NO AUXILIARY SI LLY OPEN. CONTA COLOSE AT 500 MPS CONTINUOUS OM 0.5 SECS. TO 831 COIL: S#89 EE ABOVE CA	AMPS DC AND Y. TIME DELAY D 6 SECS. COIL	CONTACTS R VOLIS, 1 A COIL DATA: TO 9.4 AMP	RLOAD: ALLY CLOSED. MA ATED: 5 AMPS. C MP INTERMITTENT 320 TURNS #14 S. NORMAL SETT! 15387 COIL: S# SEE ABOVE	ONT. AT 250 AT 250 VOLTS. WIRE; RATED 4.7 NG 7.6 AMPS.	SETTING T RANGE -85 INGS: 5 A AC CONTIN DATA: 9.2 1/11/45		ADJUSTMENT ING. CONTACT VOLTAGE OR 1 440V AC. CO IS #11 HIRE. CAY:32-J
230-250V DC. Nentralizing	COIL: 12000 TUR , 1600 OHMS DC ; CCIL: 3000 TU ; CONT., 240 OH	JRHS #32 CU	0.395 OHMS ON EACH PL	DC. RESISTANCE UNGER.	CAY- 29390 OIL DASHPOT	OIL DASHF		CAY- 293
TACTS NORMAL CONTACT WILL CARRY 300 AP VARIABLE FRO PAT-14 S#849 12/29/44 #S	HO AUXILIARY SILLY OPEN. CONT. L CLOSE AT 500 MPS CONTINUOUS OM 0.5 SEC. TO 5831 COIL: \$78' EE ABOVE CA'	AMPS DC AND LY. TIME DELAY 6 SEC. COIL 95676 Y:ENG. HAND BK.	NGS: 25 A AT 1154 AC DATA: 115 #29 EN CU ±DN-130-N 12/30/44	MAKE INTERLOCK MPS CONT. 115V VOLTS. 60 CYCLE WIRE, 56.5 UMMS \$#973644 COIL:	AC, 150 AMPS. 40V AC. COIL S. 1575 TURNS DC RESISTANCE S\$1091358 CAY:74-A-790	RELAY, OV SPST. NOR AMP. INTE CONT. AT DASHPOT O AMPS. 68 *YME*CC E 1/12/45	96 TBU	VOLTS. 5 AME PAL RESET. OF COFL DATA: COWIRE. 0.02 2114-12) CAY:55-J-71
JAN. 45	PAG	GE 1175.0001 ASSIG	HED			GHED UED		·-· · •

L	DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION		DESTYLTYSE	FIRST ASSIGNED FOR	or specification		DESIGNATION	FIRST ASSIGNED FOR	ON SPECIFICATION
	OHMS DC RES		CAY- 29396		SPST HICR TACTS RAT	ME DELAY: D 1157 AC. RELI O-SWITCHES NOR!	AY OPERATES THO MALLY OPEN. COM 125V. TIME DELA EC.		WITHSTAND	200 HR. SALT S	CCQ- 29407 SPRAY TEST.
					1/13/45 JAN. 46	HXS • 251	CBM:746-430 ALT 0				
	CAY · 29397				CCQ- 294	02 sv. sv-1			CLR- 2940	08 so-7H so-	7 K
	SPSI. NORMA AMPS. CONT. RUPIING AT DASHPOT ON TO 72 AMPS. *(WEMCO: EN	LLY CLOSED. CO AT 250 VOLTS 250 VOLTS. MA' EACH PLUNGER.		Ĺ	TACT RATI	NG: 5 AMPS, 247 , 247 DC, 0.089 ESISTANCE, 4500 CELLUOSE AGETA 2 WATTS.		н.	S SPT NOR A, 110V A 5500 TURN INTERLOCK RECTIFIER	C COIL DATA: 11 S #36 E WIRE, 9 RELAY FOR 400 POWER.	530 OHMS DC RES. CYCLE + AUX.
		1L: S#244784			JAN. 45		ALT 0	0 0 (6%)	JAN- 45	X-1358 DEW Coil:#374	CLR:LC-2340 CRP:71-5030
	TURNS #0.16 OHMS DC RES		CAY- 29397 BON WIRE, 0.00	18	RELAY, THE SPST N.O. TUBE ENVE DELAY TYP RELAY CLO 30 ±10 SE	LOPE. ACTION OF E. HEATER RATEI SES ON 19V. NIT CONDS AT 25°C	SEALED IN VACUU	IAL. AY IR	CIRCUIT. DC. 50 AM	MALLY OPEN, DOU CONTACTS RATED PS AT 24V DC.	UBLE BREAK PER 50 AMPS. AT 12Y COIL RATED 24Y D .6 WATTS. SILVER
					1/13/45 JAN. 45	CAGK:24N031	CFT:NCP28-1-5	3	1/15/45 JAN. 45	B013036	CRP:71-5042
	JUSTMENT RA SECONDS. CO ING VOLTAGE RUPTED AT 4	LOAD LLY CLOSED. MA NGE ±15%. RESE NTACTS RATED: OR 440V AC. I 40V AC. COIL (	ATA: 20.6 AMP	K -	NECTIONS.		CAGK- 2940	) <b>3</b>	40 AMPS.	MALLY OPEN. CO COIL DATA: 12V E, 18 1/2 OHMS	7N NTACTS WILL CARR DC, 1400 TURNS DC RES. STOP RE
	1/12/45 MG	114 X 0.144 M.I S#1186641 IL: S#1190166	CAY:32-J-15					- 1 v	1/15/45 JAN. 45	HR K - 4001	CDS:HRK-01
	WILL GIVE S OR SOO HOUR A STEADY CU ING 5 ANP O	OOO HOURS UNDE UNDER 200 WAT RRENT AND VOLT R 500 VOLTS 15	ABLY PROTECTED ER 20 WATT LOA IT LOAD PROVID TAGE NOT EXCEE S MAINTAINED.	D . E D	RELAY: DPDT. CON AC, SIZE 24V DC, T	OF CONTACTS 1/4	REGNATION. OVE		CARRY 7 A 12 VOLTS DC 3400 T	MALLY CLOSED.   MPS AT 6 VOLTS	, OR 4 AMPS AT . COIL RATED 121/
	1/12/45 CH		IDING 0,008 AM CW:8A-105180 ISSUE 2	<b>,</b>	1/13/45 JAN. 45	964B	CBM:746-465		1/15/45 JAN. 45	TCA-4001	CDS:TCA-01 REV. B
	NINDING HAS SECONDARY W TANCE. HERM ENCLOSURE I ENAMELED CA TAINING PER	0.0035 AMP C 7000 DC RESIS INDING HAS 325 ETICALLY SEALE N A COLD ROLLE SE. SPECIAL ME MANENT FILM OF ITS STANDARD (	STANCE AND OOD DC RESIS- D IN A GLASS D STEEL BLACK ANS OF MAIN- MERCURY ON		CONSISTS SHITCH # OF THE SO	OF AN OAK MFG. 24867-H ACTUATI LENDID. RESIST MS. OF HOLDING	L RATED 28V DC CO. ROTARY MA D BY THE ROTOR INCE OF PULL-IN IN COIL 225 OH CBM:746-520 ALT 0	ER	AND AUXIL TERLOCK. CPS (±3%) HOLDING C	TOR: OF NORMALLY OPINARY SPST NORM COIL RATED 115 INITIAL CURRE URRENT 0.25 AM E. MAIN CONTAC KS-15067	NT 1.35 AMPS,
	CONTACT RAT 20 AMPS AT MOLDED BAKE 60~. PULL I	LLY CLOSED. SI ING: 30 AMPS A 220V AC. SILVE LITE BASE. COI N CURRENT 60V RRENT 30V AC I	T 110V AC OR R CONTACTS 1 L DATA: 115V,		PICK-UP 9 RATING: 3 AMPS, 220 AC INTERM	: MALLY OPEN. OR L RATED 10.5VA OY, DROP-OUT 61 O AMPS, 115V AI V AC CONTINUOU:	E BREAK PER CIR 1154. 50-60 0 VOLIS. CONTAC C CONTINUOUS ; 5; 50 AMPS, 115 CG:M-7474554 PT I REY 1	T	25 AMPS A 115V AC 5	ND AUXILIARY.C AHPS.	CSD- 29412 ONTACTS RATED
		. TEHP RISE 3.0	cLR - 29400	ASSIGNAD	RELAY; DPOT, AIR AMPS AT 1 AMPS AT 1 1/400. CO 106 AMPS	2 V DC, 15 AMPS 10V AC/1/60. 5 1L RATED 30V OC DC RES. 230±7\$ PROTECTION OF	NTACTS RATED 15 S AT 24V DC, 15 AMPS AT 115V A C CONT. DUTY. OHMS. 205 WATT	c/	115V DC. 300 TURNS Max Ratino	ACT RATING: 110 I AMP. COIL DA #25 WIRE, 1.8 G 1.520 AMPS HI RATING .760 AM	TA: 6V, 60~, Ohns DC res. Ith Armature

DATE MANUFACTURER'S

MANUFACTURER'S MANUFACTURER'S

Elling Sylves

		ASSIGNED ISSUED	1/30/45 BJUX FEB. 45	10	CAPP:131-2	ASSIGNED ISSUED	1/18/45 FEB. 45	X-66421E-1 Fig. D	X-66421E-1 198. 3
	CEE- 29419 -29418 EXCEPT FOR AC OPERATION.		CCQ- 29426 RELAY, DC DPDT, MECHANIC RESET. CONTACT INDUCTIVE. CCT FAIL TO PULL I TANCE EACH COL	AL LATCHINS RATED 24 L: PULL IN N AF 14 VO	G, ELECTRICAL V 5 AMPS, NON- AT 18 VOLTS A LTS DC, RESIS- DC,	ND ,	CN-2943 ALARM AND A STEEL P LAYS, SPA	2 UP SPARE PARTS PARAMEL EQUIPPED W RE VACUUM TUBES D SPARE FUSES.	ITH ALARM RE-
	95 TO 130V AC, 400 CYCLES. AMBIENT TEM RANGE -30° TO +65°C. TIMING 30 TO 56 SECS. AT -30° TO +50°. ALL EMOLOSED IN GLASS TUBE WITH 4 PRONG BASE. SIMILAR 1/18/45 B-1502 CRP:71-5024 FEB. 45	A	AT 20 VOLTS - VOLTS. COFL RE 1/30/45 BJX 2 FEB. 45	FAIL TO PU Sistance 4	LL IN AT 16		2/5/45 FEB. 45	AL-9300	CALG:A77
	CEE- 29419 SO-7M/7N SD-2 RELAY, THERMAL TIME DELAY SPST CONTACTS NORMALLY OPEN AND RATED 2 AMPS AT 115 VOLTS, HEATER POTENTIAL		CCQ-29425 RELAY, DC: DPST NORMALLY 24V 5 AMPS NON	C1.0SED. CO	NTACIS RATED		THERMO-S	431 OBV WITCH RMALLY CLOSED,	247, 10 AMPS.
			1/24/45 BJ6A2 MAY 45	4	CRY:P-719836	11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	2/2/45 FEB. 45	HXS-266	CAY:9-8-6507 CHANGE 2
	CEE- 29418 TUBE WITH A 4 PRONG BASE.		CCQ- 29424 RELAY DPDT STAGLE BR AT 24V DC OR 1 DATA: 24V AC. DC RES.	IOV AC. 2	HATTS. COIL	IPS	RELAY, 1		4 D TIME DELAY ± 2 PDT MICRO-SWITCH.
	-30°C TO +65°C. CONTINUOUS SERVICE AT 130 VOLTS, 65°C. ALL INCLOSED IN A GLA: 1/18/45 B-1501 CRPtL71-5016 JAN. 45 REV 2	ss	1/19/45 CAY:S FEB. 45 TYPE		AY:T-7611189/F EV. 11	42	2/2/45 FEB. 45	HXS-259	CAY: 9-8-6507 CHANGE 2
	CEE- 29418 SO-1 SO-8 RELAY, THERMAL TIME DELAY SPST CONTACTS NORMALLY OPEN AND RATED: AMPS AT 115 VOLTS, THEY CLOSE AND RE- MAIN CLOSED AT ANY HEATER POTENTIAL FR 100 TO 130V DC. ANDIENT TEMP, RANGE		CAY- 29423 RELAY, CIRCUIT DP-ST. RATED I FOR 8.8 TO 10.0	BREAKER 10 TO 220V 0 AMPS. AC	. 32, 115, 250		RELAY, T 115V, 60 ± 10 SE	9429 KK 8 MOD THE DELAY OCYCLES, 2 MINU EQUIPPED WITH RO-SWITCHES.	TES TIME DELAY
	1/17/45 CATM:1000R88 CBM:746-368 JAN. 45 SA:3000X-R88								
	CATH-29417 NMC-1 RELAY DPDT CONTACTS RATED 10 AMPS AT 115V AC COIL RATING: 6 VOLTS AC. 60 CYCLES. 25 TURNS #22 PE WIRE, 1.5 AMPS., 1.0 OMM DC RESISTANCE, NON-INDUCTIVE.		CONTACTS NON-A	DJUSTABLE	CCX-29422 SETTING.		OPERATE	S 1300 OHHS DC R AT 0.07 AMP. RE E RESISTANT META	LAY ENCLOSED IN
	RECEIVER RELAY UNIT CONSISTS OF A WESTERN ELECTRIC 255 POL RELAY AND ASSOCIATED APPARATUS MOUNTED ON PAREL TO PERMIT DIRECT OPERATION OF TELETYPEWRITER FROM NAVY TYPE CH-83000 FREQUENCY MONITORING ASSEMBLY. UNIT IN OLUDES A SPARE WE 255 RELAY. 1/15/45 CH:X-61790Y-L1 JAN. 45	<b>A</b> -A	CCX- 29422  RELAY TIME DEL  SPST, NORMALLY TO 20 AMPS AT  RATED 115 VOL. T 3 MIN. ± 20 SE  SECS. WITH A M  IS AMBIENT TE  1/18/45 C3M  FEB. 45	AY OPEN. CON 110V, 60 C S, 60 CYCL CONDS RESE IN. OF .4	TACTS RATED 15 YCLES, COIL ES, TIME DELAY TIME 1 TO 5	ıTY	BANK CON SET OF S ATE BEFO 1 1/2 AM	LUG IN ARRANGED IN TH NSISTS OF THO DP OPDT CONTACTS IN	DT CONTACTS. ONE EACH BANK OPER- ONTACTS RATED AT OFF GROUND.
	1/16/45 TD-311 ,CBM:746-245 JAN. 45 PYA-3 CW- 29416 AN/FGC-1B		445 OHMS ±5% A 1/18/45 BOX-9 FEB. 45	1	CH2:RL-1008				
	RELAY, TIME DELAY THERMAL: SPST, NORHALLY OPEN, TIME DELAY -40 SE OHOS ±5 SECONDS. CONTACT RATING: 1 AMP 115 YOLTS, 60 CYCLES. HEATER RATING: 115Y AC, 60 CYCLE DC RES. 850 OHMS ±10	• •	RELAY  SPST. DOUBLE M  TACT RATINGS I INDUCTIVE, •15 TIVE. COIL RAT MIN. OF 92V, 6	5 AMPS AT AMPS AT 32 ED 132 V AC O CYCLES.	ALLY OPEN. COM 115V AC NON- V DC NON-INDUC . OPERATED ON		AT 0.07	OHMS DC RES. A AMP. RELAY ENCL IT METAL CASE.	CH- 20427 ND WILL OPERATE DSED IN MOISTURE
	1/16/45 CXM 1259 CBH:746-103 JAN. 45 ALT 0  CSD- 29415 NMC-1 HCA-2		1/18/45 27-D- FEB. 45	24V-3C	CRP:71-5050			ID ON A SHORT PU CH:D-169324	LSE BASIS. COIL CW:3L-105848 ISSUE 1
	RELAY: 3 PST NORMALLY OPEN, SINGLE GREAK, 115 60~. 3 CONTACTS, RATED: 6 AMPS AT 11CV AC, 3 AMPS AT 220V AC, 1.5 AMPS AT 440 AC, COIL DATA: 5000 TURNS #38 MIRE, 60 0HMS DC RES. 500V INSULATION TEST, COITO CONTACTS,	V 5	CGX- 29420 RELAY 3 PDT CONTACTS COLL RATED 249 WIRE, CONTINUO 60°C. DC RESIS 25°C.	DC. APP. US DUTY. A	6290 TURKS #33 MBIENT TEMP.		BANK, CON SET OF S ATE BEFO 1 1/2 AP	LUG IN ARRANGED IN TWISISTS OF THO SP POT CONTACTS IN RE OTHER SET. C	DT CONTACTS, ONE EACH BANK OPER- ONTACTS RATED AT ROUND, CARRYING
١	CSD- 29414 NMC-1	- L		•	OK SPECIFICATION	.L	DESIGNATION	THE ASSESSED FOR	OR SPECIFICATION
	HAVY TYPE FIRST ASSIGNED FOR MAYY BRAWING	7	DESIGNATION FIRS	T ASSIGNED FOR	OR SPECIFICATION	7	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION

MANUFACTURER'S DESIGNATION MANY FACTURERS

**STANITSAIKKAM** 

MANUFACTURER'S DESIGNATION

DATE

DATE

MANUFACTURER'S MANUFACTURER'S

DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION		HAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	ON SPECIFICATION		designation	FIRST ASSIGNED FOR	ONASSECTIVEMING
CH-20433 UP								
0" 23433				cc-29439		ccx- 294	147 TEB	
FUSE PANEL		60 CYCLES	. 2450 TURNS O	F 17.9 MILWIRE.			IME DELAY:	
AN IMPREGNATED ASSESTOS PANEL EQUIPPED WITH ALARM. TYPE FUSES FOR THE 6.39 AN		34.5±10%	OHMS DC RESIST	AMCE. SP-ST				LLY OPEN ONE NOR
AND THE POSITIVE & NEGATIVE 130 VOLT	•	DOUBLE CO	TACT ARRANGEM	ENT.			OSED. ONE BREAK	
SUPPLIES. ALSO SERVES TO FOLD A LIMITE	ED							AT 230 VOLTS, 60
NUMBER OF SPARE FUSES OF EACH TYPE.						CYCLES.	COIL RATED 30 M	A -230 VOLTS.
	7°, .						LED IN MOTOR 18	
1/18/45 X-66421E-1 X-66421E-1	6.							ROTATION MOTOR.
FEB. 45 FIG. C 188. 3						2/15/45		CCX:A50-3
						MAR. 45	HTG #44543	
CH-20434 UP								
POWER TEST AND ALARM PANEL	i si na d	cg-2944(	) SP-1M	17R6				ccx-29447
A STEEL PANEL EQUIPPED WITH ALARM RE-		RELAY:				MAX ANO	MIN ADJUSTMENT	VALUES IO SEC
LAYS RESISTORS, FUSES, JACKS, POHER				S. DPDT. 2 MOR		2 SEC.		
FILTER, CONVERSENT OUTLET, & SWEECH. 1				CLOSED CONTACTS				
MINAL & WIRING FOR POWER APPARATUS AR				TENT TEMP. 0°C Mal voltage. Co				
INCLUDED IN METAL BOX WITH REMOVABLE				ILSHIRE 405 OHM				
1/18/45 X-66691A-1 X-66691A-1		±105 DC R						
FEB. 45 FIG. 2 U & RU ISS 3		2/15/45	12mMA19A6N	CG:P-7786375-	P1			
		MAR. 45	Agent American	REV 5				
CRY- 20435 QG8			WCA.					
RELAY (KEY189)		CLR 2944 ' RELAY:				CAU- 294		
3 PST. 2 NORMALLY OPEN AND ONE NORMALE			SP MARYALLY OF	PEN KEYING CON-		RELAY AS		
CLOSED. ONE BREAK-MAKE BEFORE BREAK -				C±101, 4200 OHM	3			RING CONTACT AS-
ONE, MAKE EACH ASSEMBLY. CONTACTS RATI	ED			AGE 13V DC; PUL			RATED 1 AMP 30	
4 AMPS AT 200 WATTS, COIL RATED 50V D	C,			ACT RATING B AM				AT 10 AMPS 1257
WITH 500 OHMS RESISTANCE. CONSISTS OF		120V AC.					PS 250V AC. 3 A	MPS 400V AC, 2 IG 36 VOLTS, 1800
11.800 TURNS #34 E WIRE. 2/6/45 TYPE "C" CRV:W-306507/P	183						OZO AMPS DC MAX	
FEB. 45 CAT, #A-6289 REV. 6	-	2/14/45	2058-S-MX	CBMP*H746-140			TYPE AMS	M-7469248-1
		MAR. 45		ALT O	40.00		CAT#H-77030-1	REV 2
CAU- 29436 QGB	er.	csp 2944	WCA .					
RELAY (KEYING)		RELAY:	-			cc- 294		17010
SPST NORMALLY OPEN. CONTACTS RATED 3			E BREAK HORKA	LLY CLOSED. COM		CONTACTO		NAVY SERVICE A
AMPS. DC 110 WATTS. COIL DATA: 50V. 1	9.			CONTACTS RATED				BIT; THO NORMALL
700 TURNS #36 ECC WIRE. DC RES. IS 12	50	AMPS I15V	AC, 0.5 AMPS	115V DC. 3 AMPS			TIONARY CONTACT	CONTACTS. COIL
ОНИS ±100 ОНИS.	:	230V AC.						6 AMPS IN RUSH.
								RESISTANCE 4.9
2/6/45 ZR-3186-0393 CRY:W-306582/P	135							URNS 0.0159" WIS
FEB. 45 REV. 8		2/14/45	IXANIU/	CBM: T-746-128			CR-5131-2H6	CG:P-7767316-1
100		HAR. 45		ALT U		APR. 45	#3243152 COIL	REV 1
CG-23437 QGB		cso- 294	43 NCA					cg-29449
RELAY		RELAY:	•			BOTTON N	INDING 412 THE	IS 0.0226" WIRE.
SPST NORMALLY CLOSED. CONTACTS RATED	<b>3</b> ·		LE BREAK. NORM	ALLY OPEN. COIL			TACTS RATED 50	
AMPS, 115V AC RESISTIVE LOAD. COIL DATERATED 115V, 60 CYCLES. 6000 TURNS	1 A :	RATED 110	V. SO CYCLES,	605 OHMS DC RES	•	CYCLES.		
0.0045" DIA. WIRE WITH 590 OHMS ±10\$	00		G ARMAIURE OPE		11137	41.1		
RESISTANCE.				54MA. CONTACTS				
			V AC, 6 AMPS A	NO 115V DC, 1/2	1.50			
2/6/45 CR-2790-G100H2 CG:K-8270931		AMP. 2/14/45	CVE-1000	C3M: T-746-202	15,347			
FEB. 45 REV. 3		MAR. 45	CAFFIGOR	ALT 0				
	2.20				7			
CGX- 29438 SP-1H								2.00
RELAY:		cso- 294	14, WCA			CLR- 29	450 WCA	
SPST NORMALLY CLOSED. CONTACTS RATED		RELAY:				RELAY		
MA AT SOY, MITHSTAND SOOV RMS 50 CYCL				SPOT. COIL RATE: 5 OHMS DC RES.	٠ ر			PEN KEYING CON-
BETWEEN CONTACTS AND FRAME. COIL DATA	-			EN, 92 MA; MIN.				. 4200 OHMS. 360
4000 OHMS MAX, WITHSTANDS 1000V RMS 6				54 MA. COSTACTS				13V DC, PULL-IN
CYCLES H. POT BETWEEN COIL AND FRAME				115V DC 1/2 AMP		120V AC.		S RATED 8 AMP AT
#CG:K-52J521 REV 2 SPEC M-1076 REV 2 2/13/45 12417-1 #SEE ABOVE				·				
2/13/45 12417-1 #SEE ABOVE		2/14/45	CXC-3251	CBM: T-746-238			2058-S-MX	C84:746-140
		MAR. 45		ALT. 0	-	MAR. 45		ALT O
				4				1 14
cgx- 29430		CEE- 294	45 WCA	1 4 1	134	CAU- 294	151 TEB	
12,150 TURNS OF #39 CU WIRE 2000 OHMS			ERYAL TIME DEL	AY:		RELAY	+)1 100	
TO 10% DC RES. AMBIENT TEMPERATURE -44				RATED 3 AMPS A	7		A 24 VOLT DC C	OIL AND 2 LEVELS
10 430 0.				HMS; INTERMITTE				S PER LEVEL. PO-
				D DELAY, SEALED				O BREAKS PER CIR
		IN GLASS	NITH MEDIUM 4-	PRONG UX BASE.		CUIT. CO	HTACTS RATED 24	V. CARRY 3 AMPS.
						MAKE OR	BREAK MAX. 0.1	AMP. MIN. OPERAT
그 그 그는 이 없는 그는 그들의 경기로 있다.		2/14/45	8-1503	COM+007-147			ENT ROTARY 0.4	
		Z/14/45 MAR. 45		CBM: 803-147 ALT. 0	41. 4		H-77844-1	CAU:SKEICH
그 그 사는 그를 하는 사고를 하는 밤사람들이다.	TENDER !		the part of	ALI. U	7 1	MAR. 45	The second second second	
CG-29439 SP-IN 1786	T. Agrica	**	100	2.0	100		The second second	
CG-29439 SP-IN 17R6 PRELAY TIMES:		ccx- 294					4	CAU- 29451
ON ENERGIZING, CONTACT TAKES FROM 45		RELAY TIM				0.27 AMP	S.	
90 SEC TO CLOSE. ON DEENERGIZING. CON				LLY OPEN. ONE.		**	Charles I	
TACTS OPEN HITHIN 5 TO 10 SECONDS. COM	41 -			EAK PER CIRCUIT				
TACT RATINGS 0.5 AMPS AT 1258 DC. 0.2				AT 230 VOLTS, 6		dia		
AMPS AT 250V DC. 2.5 AMPS AT 125V AC.				A -230 VOLTS 60 HP. MAX & MIN				
1.0 AMPS AT 250V AC. COIL DATA: 115V.			T VALUES 30 MI					
2/13/45 PQ-26N CG:P-7766383			TD1C-30%	CCX: A50-2				The second second
MAR. 45 " REV" 8			RIG #44554C	r				
	ASSIGNED ISSUED				ASSIGNED ISSUED			
DATE MANUFACTURER'S MANUFACTURER'S		DATE	MANUFACTURER'S DESIGNATION	STRUT STRUKEN	.55025	2177	MANUFACTHERE	MAMUFACTURER
DESIGNATION   DRAWING NUMBER	J		DESIGNATION	DRAWING NUMBER		DATE	MANUFACTURER'S DESIGNATION	arinat saikacas

The state of the s							
DESIGNATION FIRST ASSIGNED FOR SPECIFICATION	DESIGNATION	FIRST ASSIGNED FOR	ON SPECIFICATION		DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION
CCX- 29452 TEB  RELAY TIME DELAY  SPST. NORMALLY OPEN. ONE BREAK PER CIR- CUIT. CONTACTS RATED 5 AMPS. 230V. 60  CYCLES. COIL RATED 30 MA. 230 VOLTS. COIL SEALED IN MOTOR. 1600 RPM. CLUTCH UNIT. RIGHT ROTATING MOTOR. MAX MIN. ADJUSTMENT VALUES 60 SEC. TO 3 SEC 2/15/45 TD1-60S A50-1  JUN. 45 MTG.#44554D	TACTS. ( IMG. DOU CLOSING TISV AC AC OR SA		OR DOUBLE CLOS ONE OPENING AN 5 AMPS, 125V D P DC OR 5 AMPS RATED 2-8 AMP	C.	POLE SERV RATED 25 RATED 220 \$5#112881 COIL S#11	ES, NORMALLY O ING AS INTERLO AMPS, 220V, 60 V, 60 CYCLES, 9 EMO40 CLASS	CK. CONTACTS CY AC. COIL 2750 TURNS OF #3
CCX- 29453 TEB  RELAY TIME DELAY  SPST NORMALLY OPEN, ONE BREAK PER CIR- CUII. CONTACTS RATED 5 AMPS. 230 VOLTS. 60 CYCLES. COIL RATED 30 MA. 230 VOLTS. COIL SEALED IN MOTOR 1600 RPM. CLUTCH UNIT RIGHT ROTATION MAX 6 MIA JUSTMENT VALUES 120 SECS. TO 3 SECS. 2/15/45 TDI-120S CCX:150-1  MAR. 45 MTG.#44S54B	CONI. 2	INSTANTANEOUS TR	CAY-29457 IP. ADJUSTMENT		UNIVERSAL		CAY- 29462 1/4" X 4 5/16" X INE-STARTER HITH
CBZ- 29454 TEB CONTACTOR, FILAMENT 4PST, THO NORMALLY OPEN, THO NORMALLY CLOSEO. THO BREAKS PER CIRCUIT. CONTACT RATED 10 AMPS AT 23Q VOLTS. COIL RATED 230V. 60 CTC., 0.44 AMPS. INRUSM, 0.098 AMPS SEALED, 5.8 MATIS. 270 OHMS RESIS- OTYPE B220 #435473, COIL: RC-2-33441 2/19/45 BULLETIN 700 CBZ:Y-5536-D MAR. 45 OSEE ABOVE	RELAY OV OPST. EG S TACTS. ( Break of 125V DC. 6 AMPS / 1-4 AMPS	458 TEB VERLOAD: DUIPPED WITH TWO NAN BE ARRANGED F 1 MAKE, 1 BREAK ATTHOSE YOLTA CCAT THOSE YOLTA CCAT THOSE YOLTA CCAT SCONTINUOUSLY AD SC-15#1096944	OR 2 MAKE. 2 RATED 5 AMPS EAK 1 AMP BC O GES COIL RATED JUSTABLE. SELF	IR	SERVING A AMPS, 220 CYCLES, 4 45#112881 CO+L: S#1	, PLATE: ES. NORMALLY W S INTERLOCK. C V. 60 CYCLE. R 050 TURNS OF # 9 DM040 CLASS	ONTACTS RATED 15 ATED 220V, 60 33 WIRE. SIZE
CBZ- 29454 TANCE. 3030 TURNS #34 WIRE. NON-ADJUST ABLE. SIZE - 3 5/8" X 2 3/4" X 3 5/16".	- SETTING	. INSTANTANEOUS T	CAY- 29458 RIP.	3			CAY- 29463 2". LINESTARTER VERLOAD RELAYS.
CAY- 29455 TEB RELAY INTERLOCK OPST, ONE BREAK PER CIRCUIT. TWO REVER- VIBLE CONTACTS CAN BE ARRANGED FOR 2	RELAY, S Spot, of	459 TEB ENSITIVE: LE NORMALLY OPEN,			DPST, NOR	REAKER. THERMA MALLY OPEN. ON	E BREAK PER CIR-
MAKE 2 BREAK OR ONE MAKE ONE BREAK, RA- TED 5 AMPS 125V DC, 115V AC, MILL BREAK 1 AMP. DC OR 5 AMPS AC AT THOSE VOLT- AGES, COIL RATED 0.5-2 AMPS OC TO 60 2/10/44 SC-1 S#1096943 CAY:77-D-418 MAR. 45	AC. 1.5 0.5 AMP, ED. 1950 2 5/8" 3 2/19/45	DNTACTS RATED 2 A AMP 220V AC. 0., 230V OC. COIL V O OHMS DC RESISTA 1-5/8", SPECIAL BULLET! #250CQIL#!}9L13	75 AMP. 115V O ACUUM IMPREGNA NCE. SIZE 2 5/ PI CAO:26458-18	C f - 8"x	THERMAL O SETTING. #S#999082 1015702	TACTS RATED 25 NLT 15 AMPERES "E" FRAME CLA #SEE ABOVE	
CAY- 29455 CYCLE. SELF-RESET, 0.5-2 AMPS CONTINU- OUSLY ADJUSTABLE, INSTANTANEOUS TRIP. SLZE - 2 15/16" X 5 11/52" X 5 1/32".	CONTACTO SP NORMA AMP. 23 COIL RA: #12 DCC &CLASS \$ 494311	ALLY OPEN. CONTAC D VOLTS OC 60 CYC FED 23OV. 60 CYCL WIRE 15-825 FRAME 65-F	LE, 3 PHASE. ES, 360 TURNS -5 SIZE 5 COIL	•	3 PST. NO CIRCUIT. DC. THERM FIXED SET \$5#999024	REAKER, THERMAI RMALLY OPEN, O CONTACTS RATED AL ONLY -25 AM TING. "E" FRAME CLAS	RE BREAK PER 250V AC. 125V PERES RATING.
CBZ- 29456 TEB	MAR. 46	\$SEE ABOVE	CAY:68-C-764 SUB 1		2/21/45 MAR. 45	\$SEE ABOVE	CAY:75-A-958 SUB 27
RELAY. LOCKOUT 3PDT. 2 NORMALLY OPEN, ONE NORMALLY CLOSED, 2 BREAKS PER CIRCUIT. CONTACTS RATED 230V. 60 CYCLE, COIL RATED 230V 60 CPS. 0.44 AMPS. INRUSH. 0.098 AMPS SEALED. 5.8 WATTS, 270 OHMS DC RES. OTYPE 8-210 F435475, COIL: IRC-2-33441	CONTACTI 3 POLES, CIRCUIT, COIL RAT OF #25 1 as#9394.	OR NORMALLY OPEN, CONTACTS RATED FED 220V, 60 CYCL FIRE. SIZE SI DN230 CLASS 15	50 AMPS 220V A ES, 1340 TURNS 9 3/4" X 9" X		RELAY: 2 DOUBLE- 1157±101.	THROW CONTACTS OPERATION BET	RATED 2 AMPS, REEN LIMITS OF DIES VOLTS, 60
2/19/45 BULLETIN 700 CBZ:Y-5536-D MAR. 45 OSEE ABOVE	2/19/45 MAR. 46	SEE ABOVE	CAY:59-D-334 SUB 3		2/23/45 MAR. 45	•	G:H-8376876-P21 EV 0
CBZ-29456 3050 TURNS #34 WIRE- NON-ADJUSTABLE.	STANDARI CLOSURE	O OPEN LINESTARTE O •	CAY-29461 R. (WITHOUT EN		RELAY: 4 CONTACT POLARIZED AMBIENT T 2 COILS   0F 38 E W EQUAL. IN	EMPERATURE Q9.1 N SERIES. TOTAL IRE 3500 OHMS ( PUT VOLTAGE AME	50 CYCLES, 3 AMP: 10 + 50°C. COILS L =28,400 TURNS DC RES. BOTH COIL
ſ	ASSIGNED			ASSIGNED	2/23/46 MAR. 45	PHD	CG:M-8576874-P2
DATE MONHESSETHER'S MANHISCTHERE'S	DATE	MANUFACTURER'S	SHERIT SAIRDAN	ISSUED	DATE	MANUFACTURER'S	MANUFACTURES.

PENENATION FIRST ASSIGNED FOR ON SECURICATION	DESIGNATION FIRST ASSIGNED FOR ON SYSTEMATION	MANY TYPE FIRST ASSIGNED FOR OR SPECIFICATION
MECHANICAL RECTIFIER.	CATM- 29474	CRY-29481 OF CLOSE SYNCHRONISM. VACUUM TUBE TYPE
	OPEN AND 65 MA HIN WITH ARMATURE CLOSED.	OCTAL BASE.
		•
CAU- 29468 SP-IM		
RELAY:	CB2-29475 SD-SDA	CCX-29482 SP-IM RELAY. TIMING
CONSISTS OF 2 SETS OF CONTACTS, EACH 4PDT; RATED 3 AMPS. AMBIENT TEMP. 0°C	SPST - DOUBLE BREAK, NORMALLY CLOSED.	MADE UP OF A SYNCHRONOUS MOTOR AND A CONTACT SWITCH. 3 SECOND IMPULSE EVERY
TO + 50°C. COIL RATED APPROX. BOV DC.	CONTACTS RATED 75 AMPS 24 VOLTS DC. COIL HAS 2900 TURNS #28 WIRE, 68 OHMS	8 SECONDS. MOTOR HAS ONE NORMALLY OPEN
	DC RES. AT 24 VOLTS DC.	AND ONE NORMALLY CLOSED CONTACT, RATED 115/1/60. CONTACT SWITCH RATED 110V, 60
2/23/45 AQA CG:H-8376875-P21	2/27/45 X-89309 CRP:71-5017	CYCLES, 10 AMPS. AT 20,000 TO 40,000, 3/6/45 1PSB-8S CG:M-7472744
HAR. 45	MAR. 45 COIL#RDB-6229 SUB O	MAR. 45 REV 2
ccx- 29469 SP-1N		
RELAY. TIME DELAY:	CGT- 29476 SP-IM CIRCUIT BREAKER, THERMAL:	CCX-29482
SINGLE NORMALLY CLOSED CONTACT. 115V. 50/60 CYCLES. FRONT CONNECTED. COIL	2PST 25 AMP AT 250 VOLTS AC. MANUAL	TO 20,000 FT. 15 AMPS. 17 AMPS AT 12V DC
3900 TURNS OF #37E WIRE, 516 OHMS DC RESISTANCE.	BREAKER, FOR PANEL MOUNTING WITH END TERMINALS. MAX INTERRUPTING RATINGS 5000	ABOVE 20,000 FT., 25 AMPS TO 20.000 FT. WITHSTANDS SALT SPRAY TEST OF 200 HRS.
	AMPS. RMS AT RATED VOLTAGE. PHENOLIC	
2/23/45 445P16 CG:H-8376877/P22	2/28/45 AT-21025 CG:P-7767053 P8	
HAR. 45 REV 10	MAR. 45 REV 2	
CG- 29470 SP-IN 17-C-TO	그런 이번 열면 빨리는 그 중요한 없어?	20 0 0 4 0 7 HI 17-9-6
CONTACTOR: 4 CONTACTS, NORMALLY OPEN, RATED 15 AMPS.	CGT- 29477 SP-IM CIRCUIT BREAKER, THERMAL:	CRY- 29483 UL 17-R-6 RELAY
COIL: 115Y. 60 CYCLES: 1540 TURNS OF	2PST 225 AMPS AT 250 VOLTS AC. MANUAL, BREAKER FOR PANEL MOUNTING WITH END	CONSISTS OF 28,000 TURNS #37 EC WIRE OF 2500 OHMS RESISTANCE, 120V OPERATE.
O.0113" E WIRE; 45 OHMS DC RESISTANCE. 500V RMS TEST VOLTAGE.	TERMINALS. MAX INTERRUPTING RATINGS	0.008 SEC. RELEASE 0.010 SEC.
	10.000 AMPS. RMS AT RATED VOLTAGE. PHENOLIC FRAME.	
2/23/45 CR-2820-1746 CG:P-396664 P 21 MAR. 45 REV 0	2/28/45 AT-23225 CG:P-7767054P5	3/8/45 TYPE CE
	MAR. 45	MAR. 45 A-20804
CGE- 29472 CAUP-28AAA	CGT- 29478 SP-1M	CCQ-29484 UL 17-R-6
RELAY: 3 PDT, CONTACTS RATED 115V AC. 2900 OHMS	CIRCUIT BREAKER:	RELAY INTERLOCK CONTACTS RATED 115V - 6 AMPS. NORMALLY
COIL RES. INSTANTANEOUS PICKUP AND RE- LEASE. OVERALL DIMENSIONS: 2 1/32" X "	2PST 50 AMPS AT 250 VOLTS AC. MANUAL BREAKER FOR PANEL MOUNTING WITH END TER-	OPEN OR CLOSED POLE.
1 11/16" X 1 11/16".	MINALS. MAX INTERRUPTING RATINGS 5000 AMPS. RMS AT RATED VOLTAGE, PHENOLIC	
	FRAME.	
2/24/45 AC-SERIES 340 CAJP-082899 Mar. 45	2/28/45 AT-21050 CG:P-7767053P10	3/8/45 BC-GA-115 MAR, 45
	HAR. 45	
CATH- 29473 QBE-2	CRY- 29479 MAR	CCQ- 29485 UL 17-R-6
DPOT WITH SPST NORMALLY OPEN KEYING	RELAY:  4PST, NORMALLY OPEN, DOUBLE BREAK, COIL:	RELAY RATED 87V DC. 500D OHMS, DPDT COIL CON-
CONTACT. SILVER PLATED CONTACTS RATED 10 AMPS AT 115 VOLTS AC. COIL RATED 75	16,200 TURNS #34 EC WIRE. 750 OHMS DC RES. HERMETICALLY SEALED.	SISTS OF #42 WIRE. AT 0.0094, 0.75W. MAX VOLTAGE NOT TO EXCEED 20% OF MIN VOLTS
VOLTS DC: RES 1300 TURNS #39E WARE; 2500 OHMS DC RESISTANCE. 34 MA MAX WITH ARM-		OR 80% OF NOMINAL VOLTAGE.
ATURE OPEN AND 28 MA MIN WITH ARMATURE 2/24/45 400-1B CBM:746-211		3/8/45 BOY-6D42
MAR. 45	2/28/45 TYPE "C" CRV:P-722609 MAR. 45 A-20220 SUB 1	MAR. 45
CATM- 29473		CAVR-29486 SO-1
CLOSED; NON-INDUCTIVE LOAD.	CRY- 29480 MBM RELAY	CENTRIFUGAL SWITCH
그는 그는 얼마 이 됐다. 그 지나라다	DPOT. COIL RATED 5.5 TO 6.6V DC 45 OHMS DC RES. CONTACTS CAPABLE OF MAKING OR	SPST, NORMALLY OPEN; OPERATES AT APPROX. 3450 RPM; CONTACTS RATED 3 1/2 AMPS MAX.
	BREAKING 50 WATTS (MAX 1 AMP. RF AT 4 TO 14 MC) AND 50 WATTS NON INDUCTIVE LOAD	
이 그리 이번에서 선생하는 그림을 다고	(MAX CURRENT -125 AMP).	*CRP:SPEC \$-28-5095-1 ISSUE !
그 그 등 이 이 그 동주 하지만 되었습니다.	3/2/45 A-18206	3/8/45 DS-1X CRP: V28-5095-1
이 그 이 사람들이 됐다. 그는 일이네요.	MAR. 45	MAR. 45
CATH- 29474 QBE	CRY- 29481 SP-1N	CAVR- 29487 SO-8
RELAY: DPOT. SILVER PLATED CONTACTS RATED 10	RELAY	CENTRIFUGAL SWITCH SPST, NORMALLY OPEN: OPERATES AT APPROX.
AMPS AT 110 VOLTS AC; NON-INDUCTIVE LOAD- COIL RATED 90 TO 115 VOLTS, 60 CPS; HAS	DPDT, 2 CONTACTS NORMALLY OPEN, 2 CON- TACTS NORMALLY CLOSED. THO SETS OF TYPE	3450 RPH; CONTACTS RATED 3 1/2 AMPS MAX.
5000 TURNS #35E WIRE WITH 425 OHMS ±10% DC RESISTANCE. 84 MA MAX WITH ARMATURE	"C" PALLADIUM #18 CONTACTS RATED 3 AMPS. 115V A.C. COIL HAS RESISTANCE OF 11,300	
*EXCEPT FOR MTG. BRACKETS.	OHMS; 57,500 TURNS OF #40 E.C. WIRE. FUNCTION - TO PICK UP WHEN SYSTEM IS OUT	*CRP:SPEC \$-28-5095-2 ISSUE I
2/24/45 SA#3000X CBM:746-305 HAR. 45 COIL: #68A ALT 3 #	3/6/45 A-13751 CG:K-8681412	3/8/45 DS-1X-N CRP: V28-5095-2 MAR. 45 REV 0 **
ASSIGNED	MAR. 45 REV 1 ASSIGNED	

DATE

MANUSACTH BER'S

**STEWTSAIKER** 

MANUFACTURER'S DESIGNATION

DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
CSQ- 294.88 SO. SOA CIRCUIT BREAKER, THERMAL TRIP: SPST. NORMALLY CLUSED. CONTACTS RATED 120 AMPS AT 120 VOLTS, CONTINUOUS AT 77°F. ACTUATED BY THERMOSTATIC DISC. THIS CIRCUIT BREAKER AUTOMATICALLY RE- SETS ITSELF A SHORT TIME AFTER OPENING. IF AN OVERLOAD STILL EXISTS THR BREAKER 3/9/45 KLIXON CATALOG MAR. 45 PLAS-120 SHEETS.	CAY- 29492	CGE- 29499 25.6 OHMS DC RESISTANCE AND 250 OHMS IMPEDANCE. PULL UP TYPE HITH BRACKETS FOR SIDE OR TOP MOUNTING.
CSQ-29488 WILL AGAIN REOPEN IF THE OVERLOAD CON- DITION IS CORRECTED, THE BREAKER RE- MAINS CLOSED. STUD TYPE TERMINALS.	CATM- 29493 QGA RELAY, CONTROL; 4PST, NORMALLY OPEN. SILVER CONTACTS RATED 5 AMPS 115V AC. COIL RATED 115V AC. 4300 TURNS OF #34E WIRE, 280 OMMS ± 10% DC RES. MAX. RATING ARMATURE OPEN -84 HA MIN. RATING ARMATURE CLOSED 65 MA.	CAU- 29500 JT RELAY: CONSISTS OF 30,600 TURNS #38 B&S EN WIRE OF 3300 OHMS DC RES. 115V, 3 PUT CON- TACTS.
	3/10/45 9811A CBH: 746-511 MAR. 45	3/13/45 CAU:4-77836-5 CRV:W-131034-25 MAR. 45 SERIES AQA CHANGE 3
CSQ- 29489 SO SOA CIRCUIT BREAKER THERMAL TRIP: SPST. NORMALLY CLOSED. CONTACTS RATED 80 AMPS. 26V DC ± 4V. THIS CIR- CUIT BREAKER, ACTUATED BY A THERMOSTATIC DISC, AUTOMATICALLY RESETS ITSELF A SHORT TIME AFTER OPENING. IF AN OVERLOAD	CSD- 29494 QGA RELAY: SPDT CONTACTS RATED 6 AMPS. 1154 AC. 0.5 AMPS. AT 1154 DC 2 #30A COLLS IN SERIES 1154, 60 CYCLES, 3000 TURNS #35 MIRE, 182 OHMS DC RESISTANCE.	CAU- 29501 JT RELAY: CONSISTS OF 45,700 TURNS #39 EN WIRE OF 6500 OHMS DC RES. 3PDT CONTACTS.
STILL EXISTS, THE BREAKER WILL AGAIN 3/9/45 KLIXON CATALOG MAR, 45 PLAS-80 SHEETS	3/10/45 58XEX CBH:746-389 MAR. 45	3/13/45 CAU:M-77896-1 CRV:N-131034-58 MAR. 45 SERIES AQA CHANGE 3
CSQ-29489 REOPEN. IF THE OVERLOAD COMDITION IS CORRECTED, BREAKER REMAIN CLOSED. STUD TYPE TERMINALS.	CG-29495 QCS QCR RELAY, TIME DELAY: CONTACTS RATED 10 AMPS. 220 VOLTS AC. COIL RATED 115V/60 CYCLES. 4200 TURNS OF .005" MIKE. DC RESISTANCE OF COIL 390 OHMS.	CLR- 29502 QCR-1  RELAY: 4PDT 1/4" SILVER CONTACTS RATED AT 6 AMPS., 115V AC. COIL RATED 115V, 60 CYCLES; 6VA; 550 TURNS OF #36E WIRE DC RESISTANCE -530 OHNS. COIL CURRENT 0.065 AMPS AT 60 CY. MYCALEX BASE NATERIAL.
	3/15/45 CR2790-E109A1 CG:K-8620793 MAR. 45	3/15/45 2128 SMX C8M:746-242 HAR. 45 ALT 2 U
CDS- 29490 SO-7M/7M  RELAY: SPST DOUBLE BREAK CONTACTS. COIL RATED 12 VOLTS DC. COIL CONSISTS OF 468 TURNS #22E MIRE, DC RES. 1.82 TO 2.06 OHMS AT 77°F MITH A CURRENT DRAIN OF 2.9 TO 3.3 AMPS AT 6 VOLTS. CONTACTS MILL CARRY 80 AMPS AT 24 VOLTS. COIL HOUSED IN WATER- 3/9/45 SS-4023 CSD:SS-023 MAR. 45 SS-102713	CSD- 29496 QGBa,QCQ-2 TIMER RELAY: SPST SINGLE BREAK. NORMALLY CLOSED. OP- ERATES AT 100, 115, AND 150 VOLTS AC.  3/6/45 PSC-2 CRV:N-307933-37 MAR. 45	CG-29503 SK-IM CONTACTOR: SPOT, DOUBLE BREAK NORMALLY OPEN, CONTACTS TO CARRY 50 AMPS CONTINUOUSLY AT 115V, 60 CPS, AND TO BREAK 150 AMPS AT 115V, 60 CPS, BACK CONTACTS TO CARRY 35 AMPS CONTINUOUSLY AT 115V, 60 CPS OR 10C AMPS FOR 5 SEC EACH MINUTE, WILL BREAK 3/22/45 CR27920115C4 P-7756611-1
CDS- 29490 PROOF METAL CASE.	CSD-29497 QGBa,QCQ-2 SENSITIVE RELAY: SPDT. SINGLE BREAK. HORMALLY CLOSED. OPERATE CONTINUOUSLY WITH MAX. LOAD OF 20 MA. RESISTANCE OF COIL 1400 TO 1800 OHMS.	APR. 45  CG-29503  34 ANPS. OPERATING COIL TOV DC, 8 WATTS. 1350 TURNS OF #0.0126" E WIRE 21 OHMS DC
	3/6/45 113XAXIOI CRV:H-307933-38	(존대) : (1)
CAU- 29491 QGA RELAY: 4PST, 3 MAKE AND ONE BREAK. CONTACTS RATED 18 VOLTS DC, 5 AMPS. SINGLE WOUND COIL RATED 18V DC, 9,800 TURNS OF ENAMEL COPPER WIRE, 6.9 MA, 350 OMMS DC RE- SISTANCE.	CSD- 29498 QG3m.QCQ-Z TRANSFER RELAY: 4PDT SINGLE BREAK. NORMALLY CLOSED. OPERATES AT 100, 115, AND 130 VOLTS AC.	CRY- 29504 MARK 36 RELAY: CONTACTS RATED 115V, 400 CPS; I N.O. RATED 2.5 AMPS, I N.C. RATED 0.1 AMP. COIL RATED 115V, 400 CPS. PLUG-IN TYPE, HERMETICALLY SEALED SMALL OCTAL TUBE BASE.
3/10/45 CAU:PIECE# CBM:746-607 MAR. 45 AQA-H-8708C-6 ALT O U	3/6/45 91XDX103 CRV:W-307933-39 MAR. 45	3/17/45 F-8058 CG:P-7767995-6 MAR. 45 REV 0
CAY- 29492 QGA RELAY, SPECIAL KEYING: 4PDT, COIL DATA: RATED 100V DC ± 10%061 AMPS, 1800 OHMS DC RESISTANCE. IN- OUCTANCE 2.37 H AT 1000 CYCLES. CURRENT .037 AMPS TO MAKE .026 AMPS TO BREAK, HINDING -21,000 TURNS OF .0050EC MIRE. BREAK DOWN TEST -1400V DC (1000Y AC) 3/10/45 G-1 7502646 CBM:746-365 MAR. 45	CGE- 29499 SS  SOLEHOID, PULL TYPE: RATED 115/1/60, 2.6 AMPS INITIAL CURRENT 0.435 AMPS SEALED CURRENT, MAX, STROKE 1S 3/4". THE PULL AT MINIMUM VOLTAGE (103V) IS NOT LESS THAN 20 TO 24 OZ AT ANY PART OF PLUNGER STROKE. COIL CON- SISTS OF 1700 TURNS OF #27GAE MIRE MITH 3/9/45 CM:KS-5970-LOS CM:KS-5970 FIG 1 ASSIGNE	CRY- 29505 MARK 36 RELAY: 2 NORMALLY OPEN CONTACTS RATED 115V, 400 CPS, 0.1 AMP (EACH). COIL RATED 4.5- 6.0 HA DC PICKUP, 3000-4500 OHMS DC RES. PLUG-IN TYPE, HERMETICALLY SEALED SMALL OCTAL TUBE BASE.  3/17/45 A-8058 CG:P-7767995-1 MAR. 45 REV. 0
DATE MANUFACTURER'S MANUFACTURER'S	una l	

DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION
CRY- 29506 MARK 36 RELAY: I NORMALLY CLOSED CONTACT RATED 115V.	29513 TCZ RELAY CONTROL: 3POT NORMALLY CLOSED CONTACTS RATED 15	CGE- 29516 TCZ, TCZ-1 RELAY, CONTROL: 2PDT CONTACTS RATED 12 AMPS. 28V DC CONTINUOUS NON-INDUCTIVE LOAD. COIL
400 CPS, 0.1 AMP. COIL RATED 40-60 MA DC PIGKUP, 300-500 OHMS DC RES. PLUG-IN TYPE, HERMETICALLY SEALED SMALL OCTAL TUBE BASE.	AMPS. 28V DC CONTINUOUS NON-INDUCTIVE LOAD. COIL RATED 28V DC MOMINAL, 32V DC GCGE:533177 CA5X:330F CGX:?7D12357-1 *COL-405220110/PEV D9492. COL SPEC C-405 COL-405001200/10475 COL-40500300/703444	VOLTAGE: 28V DC NOMINAL, 32V DC MAX 13V DC MIN DC RESISTANCE-125 OHYS ±10%. *COL-410001400/011052 410160000/REV D11050 COLSPEC C-405
3/17/45 C-8058 CG:P-7767995-3 MAR. 45 REV O	3/27/45	3/28/45 CGE:G-32734 COL-410001300/ APR. 45 CAUX:<228 D11047 *
CRY-29507 MARK 36  RELAY: 4 PRS. SPDT CONTACTS, RATED 115V, 400 CPS, 0.1 AMP. COIL RATED 115V DC, 6500 OHMS RES. 18 MA DC MAX PICKUP. PLUC-IN TYPE, HERMETICALLY SEALED 20 PIN SOCKET BASE.	-29513  MAX, 18V DC MIN. 150 OHMS ±10% DC RE- SISTANCE. TEMP RISE: MAX ABOVE 55°C AT MAX. COIL VOLTAGE 45°C. WILL OPERATE AT ALTITUDE OF 50,000 FT.	CGE-29516 WILL WITHSTAND 50 HR. SALT SPRAY TEST.
3/17/45 D-8058 CG:P-7767995-4 MAR. 45 REV 0		
		00545
CRY-29508 MARK 36  RELAY: 1 NORMALLY OPEN CONTACT, 1 NORMALLY CLOSED, RATED 115V, 400 CPS, 0,1 AMP, COIL RATED 4.0-5.0 MA DC PICKUP, 5000- 7000 OMMS DC RES, PLUG-IN TYPE, HERMETIC- ALLY SEALED SMALL OCTAL TUBE BASE.	CGE- 29514 TCZ-I RELAY, KEYING: CONSISTS OF 3SPST NORMALLY OPEN LEAF TYPE CONTACTS, I SPST NORMALLY CLOSED LEAF TYPE CONTACT, 2SPDT LEAF TYPE CON- TACTS AND ISPDT VACUUM TYPE CONTACT. #COL-41019100G/R06990 4100GG80U/D10R12	CATM- 29517 DAQ RELAY: PPOT COIL RATED 6V AC, 50-50 CYCLES, RESISTANCE IS I OHM ±10% TOL. CONTACTS RATED 30 AMPS 50-60 CYCLES.
3/17/45 B-8058 CG:P-7767995-2 MAR. 45 REV 0	COL SPEC C-405 3/28/45 G-32877 #SEE ABOVE APR. 45 G-32877A	3/28/45 1000 CFT:NCP-28-2 APR. 45 ISS. H
CRY-29509 MARK 36  RELAY: 2 PRS. SPDT CONTACTS PATED 250V DC, 0.01  AMP. COIL RATED 115V DC, 18 MA DC, 6500  OHNS DC RES MAX. PICKUP. PLUG-IN TYPE,  HERMETICALLY SEALED SMALL OCTAL TUBE  BASE.	CGE- 29514 COIL VOLTAGE 28V DC MAX, 22V DC MIN. TOTAL DC RES. OF 2 COILS 60 OHNS +101- 51. INCLUDES A 28V DC VACUUM SWITCH TYPE -24165.	CGE-29518 TCZ RELAY, CONTROL: CO:SISIS OF ISPOT, AND ISPST HORMALLY CLOSED AND I AUXILIARY SPST HORMALLY CLOSED. CONTACTS AUXILIARY CONTINUOUS, NOH-INDUCTIVE LOAD 2 AMPS 28V DC. COIL RATEC 28V DC MAY, 22V DC MIN DC RESISI- *COL-410180000/REVD8223 COL SPEC C-405
3/17/45 E-8058 CG:P-7767995-5 MAR. 45 REV O		3/29/45 G-33304 *SEE ABOVE APR. 45
CG-29510 SK-IM RELAY: CONTAINS ONE SPDT SMITCHETTE RATED 10 AMPS, 125V AC, OPERATED BY A BIMETALLIC MISHBONE HEATED ON ONE SIDE BY A METAL- LIC HEATEP, WITH HEATER ENERGIZED A1 5.5 Y RELAY WILL NOT ENERGIZE SWITCHETTE IN AIR STREAM OF 600 FT PER MIN. BUT WHEN 3/22/45 CR-2791J104B CG:K-7898842-1 APR. 45	CSD- 29514-A TCZ-1 RELAY, KEYING: CONSISTS OF 3 SPST NORMALLY OPEN LEAF TYPE CONTACTS, 1 SPST NORMALLY CLOSED LEAF TYPE CONTACT, 2 SPOT LEAF TYPE CONTACTS AND 1 SPDT VACUUM TYPE CONTACT. COIL VOLTAGE 28 V DC MAX, 22 V DC MIN. *CGL-410001100/D10813 COL SPEC C405 3/28/45 APR, 45	CGE-29518 ANCE 125 ONMS +5%-10%. OPERATES AT ALTITUDE OF 50,000 FEET.
cg-2951 <b>0</b>	CSD- 29514 -A	CGE-29519 TCZ-I RELAY SHORTING:
AIR STREAM IS BLOCKED OFF RELAY SHALL OPERATE MITHIN 30 SECONDS.	TOTAL DC RÊS. OF 2 COILS 60 OHMS +10%-5% INCLUDES 28V DC VACUUM SWITCH -2415; SAME AS -29514 EXCEPT FOR ARRANGEMENT OF TERMINALS.	COUSISTS OF I SPST, NORMALLY CLOSED HIGH VOLTAGE TYPE CONTACT I SPOT HIGH VOLTAGE TYPE. ONE NORMALLY OPEN SWAP SWITCH COIL RATEO 30V DC MAX, 22V DC MIN., 26.5 Y DC NOMINAL. THO COILS EACH 30 OMNS. TOTAL DC RES. 60 OMNS +105-55, CONTACT
		3/29/45 G-36427 C01-410001000 APR. 45 D11055
CCX- 29511 SK-IH RELAY: TIME DELAY, SYNC. MOTOR DRIVEN WITH CLUTCH, OPERATING VOLTAGE 115V, 60/60	-29515 TCZ-1 RELAY, CONTROL: 2PDT WITH ONE POLE NORMALLY OPEN AUX-	CGE-29519 PRESSURE 55 GRAMS MIN OVERTRAVEL 0.015* MIN. TO WITHSTAND A 50 HR SALT SPRAY TEST.
CPS. SPOT CONTACTS RATED 20 AMPS MAX AT 110V, 60 CPS. TIMING RANGE 1 1/2 SEC TO 30 SEC.	ILLIARY, COIL VOLTAGE: 28V DC NOWINAL, 32V DC MAX. 18V DC MIM. 125 DHMS ±10\$ DC  0CGE:G-32311 G-32311A CAOX:R-22A  *COL-410170000/D11051 410001500/RFV. 2	
3/22/45 TD1C-30S CG:P-7766346-2 APR. 45 REV 5	COL SPEC C-405 COL-410001200/010642 3/28/45	
CCX-29512 SK-IM RELAY: TIME DELAY, STNC. MOTOR DRIVEN WITH CLUTCH. OPERATING VOLTAGE 115V. 50/60 CPS, SPOT CONTACTS RATED 20 AMPS MAX AT 110V. 60 CPS. TIMING RANGES 6 SEC TO 120 SEC.	-29515  RES. MAIN CONTACTS RATED 12 AMPS. 28V DC CONTINUOUS NON-INDUCTIVE LOAD. AUXIL- IARY - 8 AMPS. 28V DC CONTINUOUS NON- INDUCTIVE LOAD.	CGE- 29520 TCZ SERIES RELAY KEYING: SPOT COVIACT, USES VACUUM CONTACTOR TYPE -24165 COIL RATED 28V DC NOMINAL 32V OC MAX, 18V DC MIN, DOUBLE COIL MITH TOTAL OC RES 60 OMMS ±10\$ NOUND WITH #29 CHROME OXIDE INSULATED WIRE, WILL WITH
3/23/45 TD1C-2N CC;P-7766346-4 APR, 45 REY 5		STAND 48 HR SALT SPRAY TEST. 3/29/45 G-32881 COL-410210000 APR. 45 REV. 1
DATE MANUFACTURER'S MANUFACTURER'S	DATE MANUFACTURER'S MANUFACTURER'S	DATE MAMUFACTURER'S MANUFACTURER'S

HAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION		HAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
	4						ecs - 0 ô		
CAOX- 2952 RELAY:	1 162-1		ccx- 2952				RELAY:	533 TCZ	
	LLY OPEN. CON	TACTS 3/16"	RELAY, KEY	TING: LCTS 1/4" DIAME	TER FINE SILVER.		3P NORMA	LLY OPEN. CONT	
	ILVER OR EQUI		COLL RATE	115V DC NOMIN	AL. DC RESIST-				WATTS AT 1154 AC
		115V AC NOMINAL		OHMS. MUST STA OSTTION AND OPE			ANCE -42	50 TEST OHMS.	MUST STAY IN NOR-
		C RES \$20 OHMS		TION TEST.				PERATE POSÍTIO N 8 G VIBRATIO	
5/29/45 R-3		SALT SPRAY TEST COL-405001700	3/29/45	JD 1 1 5 R #	COL-405220800		3/29/45		COL-405220310
APR. 45		REV. O	APR. 45		REV. I		APR. 45		REV 2
	*** *****						CFF- 201	534 AN/UPA-4	
16E- 29322	TCZ SERIES		CCX- 2952 RELAY TIME					HERMAL TIME DE	LAY:
HREE POLE,	NORMALLY OPEN			S MOTOR DRIVEN	TIME DELAY				TACTS RATED AT
	T 115V AC INOT ER FINE SILVE			ING KAGNETIC R Turn isp normal				N GLASS WITH M	, IISV AC HEATER EDIUM 4 PRONG
COIL RATEO I	15V AC 60 CPS	. DC RES 300	CUIT RATE	10 AMPS. 115V	AC. RESET TIME		BASE.		
	HNS WOUND WIT		0.8 SEC MA	TX 30 SEC HAX D	ELAY ADJUST-				
5/29/45 G-3		*SEE ABOVE	3/29/45		COL:402180000		3/29/45 APR. 45		
PR. 45			JUN. 45		REV. I		410. 42		
		CGE- 29522	cs1- 2952	28 AN/UPA-4				535 TBW	
AKED ENAMEL	ED NIRE.		RELAY:		00001070 :		RELAY, K		ROUIT. COIL RATED
				ETICALLY SEALED IN SERIES EACH	. CONSISTS OF 2				.95 MAX. INTER-
			#42 WIRE	BOOO OHMS DC RE	S. TOTAL ADJUST-				WIRE. DC RESIST
				SE AT 2.0-2.5 M SA. @ 6.3V AC T	A. CONTACTS O WITHSTAND 10 G		ANGE 7.7	OHMS ±10%.	
			VIBRATION.	,			3730/45		CAY: T-7608408
			3/29/45 ! APR. 45	5RHLPX8000			APR. 45		REV. 7
							ren - 201	536 SF,SF-1	
AOX- 2952	3 TCZ-1		CGX- 2957				RELAY:	37.131-1,	
ELAY: OUBLE POLE.	NORMALLY OPE	N. CONTÁCTS		LE, NORMALLY OP	EN. CONTACTS		DPDT, 11		CONTACTS RATED
/4" DTAMETE	R FINE SILVER	. COIL VOLTAGE		ETER FASALOY. C S. DC RESISTANC				115V AC 4 AMP: 230V AC, 2 AMP:	
		. 7.2V DC MIN 10%. Shall with			ITION AND OPER-		8 TERMIN	ALS FRONT CONN	CTED. COIL RATED
TAND MECHAN	ICAL FREQUENC	Y IN ANY PLANE	ATE DURING	G AN 8 G VIBRAT	ION TEST.				, 0.140 AMP WITH PS ARMATURE CLOSEI
10-57 CPS 0. 5/29/45 R-3	.03" AMPLITUDE So	. SHALL WITH- COL-405001300	3/29/45	JA I 15AA	COL-405220700		3/31/45		CATALOG
PR. 45		REV. 0	APR. 45	CAT#12709	REV I		APR. 45		
		010Y- 20523	CAOK- 29	530 TCZ-1					c\$p- 29536
OOI A DHAT	HR SALT SPRAY	CAOX- 29523	RELAY, CO					180 OHMS 4200	TURNS #32 COPPER
	*			ALLY OPEN. CONT SALOY. COIL RAT			WIRE.		4.0
			CPS NOMIY	AL 132V AC 60 C	PS MAX., 97V AC				
				N. DC RESISTANC Hithstand 100 h					
			TEST.						
			3/29/45 APR. 45	R39E	COL-405001800				
							CATH- 20	)537 su, su-i	
GE- 29524	TCZ			31 TCZ-1			RELAY, M		
ELAY:	. NORMALLY OPE	N. CONTACTS	RELAY, COL	NIROL: NDRMALLY OPEN.	CONTACTS 1/4"		DPST, NO	R×ALLY OPEN. CO	MTACTS RATED 10
/16" 0 IAMET	TER FINE SILVE	R. COIL RATED		FASALOY. COIL R					DUCTIVE), 1/4" DC085 AMPS,
	OC RESISTANCE	APPROX 187 WIRE VARNISH		31V DC MAX, 25V 230 OHMS ±10%.	DC MIN. DC RE- TO WITHSTAND		4300 TUR	NS #34 PE WIRE;	OC RESISTANCE
		MAL OR OPERATE	MECHANICAL	L FREQUENCIES 1	N ANY PLANE		-280 OHN	s.	
POSITION AND		ING A 10G VI3RA- COL-405220510	10-55 CPS 3/29/45		DE. TO WITHSTAND		4/2/45	9658	CATM SHEET
PR. 45	33402	REV. 1	APR. 45		REV O		APR. 45		9658
		CGE - 29524			CAOX- 29531			53,8 so-4	
ION TEST.		002 23724	100 HR \$A	LT SPRAY TEST.			CONTACTO		INTERLOCKS CIR-
							CUIT. CO	NTACTS RATED 25	AMPS, 115 VOLTS
									LES. CONTINUOUS 050 TURNS #25 HE
									STANCE. OUTSIDE
							# # NDING 4/2/45		HE WIRE 6.7 OHMS CRP-71-5037
				*				COIL: #9-1120-1	
	00		cgx- 295	30 707					CAE- 29538
CAOX- 295 RELAY. CON			RELAY, CO					OTAL -1450 TUR	
DPOT CONTA	CTS 1/4" 014MS	ETER FINE SILVER.	TWO POLE.	NORMALLY OPEN.			RES.		
	ISV DC NOMIS DC RESISTAN	NAL, 127V DC MAX CE 8000 OHMS+		FASALOY. COIL F ANCE 186 OHMS					
		SALT SPRAY TEST.	NORMAL OR		ON AND OPERATE				
3/29/45	R-39D	COL -405001500	3/29/45		COL-405220600				
APR. 45		D11196 ASSIGNA	APR. 45	CAT NO. 12708	REV 2	ISIGHED ISSUED			
DATE M	PARICULATION.	activity and the second	DATE	MANUFACTURER'S	Kaluw Sakucas		DATE	MANUFACTURER'S	MANUFACTURER
	-								

DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION		NAVY TYPE VESIGNATION	FIRST ASSIGNED FOR	ON SPECIFICATION
CSD- 29539 HCA-2	005						
RELAY:	CSD- 2954	5 WFA					ccq- 29551
SPOT CONTACTS RATED 1 AMP. 115V DC5		R CONTACTS RAT	ED 6 AMPS IISV		OHMS DC R	ESISTANCE.	
AMPS 115V DC INT. 3 AMPS. 220V AC 6 AMPS 110V AC. SILVER CONTACTS. COIL RATED	AC. 1 AMP	IISV DC, 3 AMP	230V DC. TWO				
115V 60 CYCLES 5000 TURNS #38 WIRE 605		TED 2 WATTS, 10					
OHMS DC RESISTANCE MAX RATING ARMATURE		NIKE DC RESISI Insulation.	ANCE -2910 OHMS	•			
OPEN 92 MA. MIN RATING ARMATURE CLOSED 4/3/45 IXAX CBM:746-337							
APR. 45 COIL:MK SOA ALT I		STAXA Coils:#100a	CBM-746-640 ALT 1				
csD- 29539	CATH-295	LG WEA			cco- 295	50 WE.	
54 MA.		POT NORMALLY			RELAY:	)	
		ER PLATED CONTA				ALLY OPEN SILVE	ER PLATED CON-
		IOV AC NON-INDU IISV, 60 CYCLES	CTIVE LOAD, COI				2V DC. 2 AMPS AT LOAD, COIL RATED
	#35E WIRE	; .07 AMPS; 425	OHMS DC RESIS-			000 TURNS #39	
		X RATING ARMATI G ARMATURE CLOS			DC RESIST	ANCE MAX.	
		SA-300D-33XRB8			4/6/45	TSU-A-600	C8M-746-542
	APR. 45	COIL: 768A	ALT I		APR. 45		ALT 0
CATH-29540 SU.SU-I	CATH- 29	547 WFA			PATH- 20	553 UEA	
RELAY:	RELAY:	, , ,			CATH- 29 RELAY:	JJJ HFA	
DPDT SILVER PLATED CONTACTS RATED TO AMPS AT 110V AC; NON-INDUCTIVE LOAD.	DPDT WITH	SPST KEYING CO				ER CONTACTS RA	TED AT 200 WATTS
COIL RATED 90 TO 115 VOLTS, 60 CPS, 0.07		VER PLATED CONT 15V AC. NON-INC					COIL TO OPERATE
AMPS 5000 TURNS #35 PE WIRE. 425 OHMS DC RESISTANCE. SAME AS -29474 BUT DOES		D 100V DC 1600				WITH BRIDGE TY LITH ARMATURE S	PRING ADJUSTMEN
NOT HAVE ANY BRACKETS.		DC RESISTANCE.				7500 OHMS CC	
4/4/45 SA-3000X CATM-SA3000X	4/6/45	OPEN 27 MA. MI! 400-18	C34-746-224			200 HR SALT S	PRAY TEST. CBM-746-620
APR. 45 COIL: #68A	APR. 45		ALT 0		4/6/45 APR. 45	SA 1 604 X X	ALT I
CATH- 29541 NMC-1 RELAY:			CATH- 2954	7	CATM- 29	554 WFA	
DPOT SILVER PLATED CONTACTS RATED 10	TURE CLOS	ED 22 MA.			RELAY:		
AMPS AT 115V AC. NON-INDUCTIVE LOAD.						ITACTS RATED 10	AMPS 110V AC OHMS DC RESIS-
COIL RATED 90 TO 115 VOLTS 60 CPS, 0.07 AMPS 5000 TURNS #35E WIRE; 425 OHMS DC							ALL OTHER METAL
RESISTANCE ±10%. SIMILAR TO -29474 EX-						WITHSTAND 200	HR SALT SPRAY
CEPT FOR PLACEMENT OT BRACKETS. 4/4/45 SA-3000XR38 CATM-746-305					TEST.		
APR. 45 COIL #68A					4/6/45 APR. 45	SA2000-38 XRB 8	CBM-745-573 ALT 0
CATM- 29542 HCA-2	CATM- 29	548 WFA			CDD - 295	55 SO-4	
RELAY: DPST, SINGLE BREAK, NORMALLY OPEN. 3/8"	RELAY:				RELAY:		
SILVER PLATED CONTACTS RATED 3.2 AMPS		ER PLATED CONTI	ICTS RATED 10 CTIVE LOAD. COII			RMALLY CLOSED. AT 115V DC CON	
110V DC. 10 AMPS. 220V AC 60 CYCLES. 20		V DC, 1600 TUR				EMPERATURE 50°	
AMPS 110Y AC 60 CYCLES. COIL RATED 90 TO 115 VOLTS. 60 CPS 0.07 AMPS, 5000 TURMS	4200 OHMS	DC RESISTANCE	MAX.			0.67 AMPS, 2420	
#35E WIRE, 425 OHMS DC RESISTANCE ±10\$+					# IKE. 13	OHMS DC RESIST	ANCE.
4/4/45 455C CATM-455-C APR, 45 COIL:#68A CBM:746-319 ALT 1		SA-2000 XRB 8	CBM-746-600		4/9/45	E10930-06-50D	COD: EK-11210
AFR. 45 CUIC, COM	APR. 45	COIL: #73SDC	ALT 0		APR. 45	COIL:CRY-246	
CATM- 29542	CATM- 29	SAO UEA			205	56 SO-4	
LAMINATED BAKELITE BASE.	RELAY:	743 MFA			COD- 295		
	4 POT SIL	VER PLATED CON				NORMALLY OPEN	
		115V AC. COIL ! \$ #40 PE WIRE;				DUTACTS. CONTAC US DUTY. AMBIEN	ITS RATED 50 AMP
		E; NON-INDUCTI					OLTS. 7030 TURN
					#27E WIR	E. 195 OHMS OC	RESISTANCE.
	4/6/45	98138	CBM-746-601		4/9/45	E3562-08-502	CDD:EK-11209
	APR. 45	COIL: #73SDC	ALT I		APR. 45	COIL:CRY-259	
CRY- 29543 QGB		•					
RELAY:	CATH- 29 RELAY:	550 WFA			con- 295		
DPDT, NORMALLY CLOSED. CONTACTS HATED 3		SILVER CONTA	CTS RATED IO AM	PS	CONTACTO		AND I NORVALLY
AMPS 115V AC. COIL RATEO 110V AC; 4000 TURNS #34 FORMEX COVERED WIRE, 170		LTS AC. HON-IN			CLOSED C	ONTACTS. CONTAC	TS RATED 50
OHMS DC RESISTANCE. PLUG-IN TYPE WITH	MIRE: 60	ED 110 VOLTS; 1 DO OHMS ±10% DC	RESISTANCE				AMBIENT TEMPERA
OCTAL BASE FOR VERTICAL MOUNTING.			KE3131A.021				MS DC RESISTANC
4/4/45 GAC A14851 CRY:RP1731	4/6/45	SA2000	CBM-746-565		4/10/45	£75£1.00.501	000.57 11000
APR. 45		COIL:TYPE JC	ALT O			E3562-08-501 COIL:CRY-259	CDD: EK-11209
005-00544 115	*						
CEE- 29544 NFA RELAY, TIME DELAY:	ccq- 295	51 WFA			CHP- 295		
SPST, SB NORMALLY OPEN. CONTACTS RATED	RELAY:	WITH MECHANIC	AL INTERLOCK TO			IME DELAY: OF A SMALL IND	UCTION MOTOR AN
TISV AC/DC. 2 AMPS MAX. INDUCTIVE.			ON OF EACH UNIT				M MOTOR OPERATE
HEATER RATED 115V AC/DC, 3-9 WATTS, NON-INDUCTIVE. TIME TOLERANCE 40-50 SEC.	BUT PREVE	NTING SIMULTAN	EOUS OPERATION.				ADJUSTABLE DELA
HERMETICALLY SEALED. GLASS ENVELOPE.		T -DPDT SILVER Tac non-induct	CONTACTS RATED				MICROSHITCH, TH I WITH CONTACTS
4-PRONG MEDIUM BASE.			S #42 WIRE, 400			AMPS AT 125V 5	
4/6/45 8-1513 CBM-746-610 APR. 45 ALT I	4/6/45	BJU12042	C34-746-541		4/10/45		CQJ:SKETCH
	APR. 45	חטטורוכט	ALT O	ASSIGNED	APR. 45		
ASSIGNED ISSUED				ISSUED			

	DISTRICTOR FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SYECIFICATION	NAVY TYPE FIRST ASSIGNED FOR OR SPECIFICATION
	CHP- 29558 3 AMPS AT 460V 2 AMPS AT 600V.	CAV- 29563 (CARRY) -150 WATTS (MAX 3 AMPS). COIL DATA: 21,300 TURNS #39SSC WIRE, 3000 OMMS DC RES. NOM. OPER. 3.5 MA GPERATE 7.5 MA.	CBZ- 29571 IDP RELAY: COIL 110 VOLTS, 50 CYCLES PUSH AND PULL, OPERATES CONDENSER SHORTING MECHANISM. ALL HARDWARE CADMIUM PLATED.
			4/19/45 860 Y-5116-D APR. 45 REV. 0
	CGE- 29559 TCS	CLR- 29564 TBS-8	
	RELAY, MIDGET: SPOT WITH A COUNTER BALANCED ARMATURE, CONTACTS 1/16" -IC SILVER, COIL RATED 12V DC NONTHAL, 8.5V DC MINIMUM, OR UN- FILTERED RECTIFIED 60 CPS AC APPROXIMATE SIME WAVE FORM WITHOUT BUZZING DC RES. 52 OHMS. TO WITHSTAND 200 HR NAVY SALT 4/12/45 G-35680 COL-41012200 APR. 45 REV 09163	RELAY: SPST, NORMALLY CLOSED, CONTACT RATINGS: 2 AMPS, 500 VOLTS AC OR I AMP AT 400V DC (MAIN POLE), AUXILIARY CONTACT RATED 250 MA AT 250V AC. COIL DATA: MOMIMAL TRIPPING CURRENT 140 MA DC, 1700 TURNS #30E MIRE, 43 OHMS ±5% DC RESISTANCE. 4/13/45 1040-R CRV:K-850214P1 APR. 45 REV. 4	CBZ-29572 TDP  RELAY: 1 POLE NORMALLY OPEN, 1 POLE NORMALLY CLOSED. OPEN TYPE. SILVER PLATED CON- TACTS 10 AMPS. COIL RATED 110 VOLTS, 50 CYCLES INDEPENDENTLY CONNECTED ALL HARDWARE EXCEPT CONTACTS, CADMIUM PLATED. 4/19/45 700 Y-5536-D
			APR. 45 REV 0
	SPRAY TEST.	CBZ- 29565 TDP  RELAY: 4 POLE. NORMALLY OPEN; 1 POLE NORMALLY CLOSED. SILVER PLATED CONTACTS 25 AMPS. COIL RATED 110 VOLTS, 50 CYCLES INOSPENDENTLY CONNECTED. ALL HARDWARE EXCEPT CONTACTS CADMIUM PLATED.	CBZ- 29573 TDP RELAY: 2 POLES, NORMALLY OPEN, 1 POLE NORMALLY CLOSEO, OPEN TYPE. SILVER PLATED CON- TACTS. 15 AMPS. COIL RATED 110 VOLTS 50 CYCLES, INDENDENTLY CONNECTED. ALL HARD- MARE EXCEPT CONTACTS CADMIUM PLATED.
		4/18/45 702-1 Y-5231-D APR. 45 REV 0	4/19/45 702-0 Y-3297-D APR. 45 REV 0
	CGE- 29560 TCS CONTACTOR, SOLENOID: SP, NORMALLY OPEN. CONTACTS 7/16" DIAM., 100 AMPS. CONT., 400 AMPS. SURGE. COIL RATED 12V DC CONTINUOUS DUTY DC. RES. 20 OMMS CONT.	CBZ- 29566 TDP RELAY TIME DELAY: SPST HORMALLY OPEN. OPEN TYPE TIME DELAY. SILVER PLATED CONTACTS. COIL MATED 110 VOLTS, 50 CYCLES. TIME DELAY 60 SECONDS. HOEPENDENTLY CONNECTED REQUIRES OIL IN DASHPOT. ALL HARDWARE EXCEPT CONTACTS CADMIUM PLATED.	CBZ-29574 TDP RELAY: INSTANTANEOUS RESET SPST NORMALLY CLOSED 2 MIRE CONTROL, OPEN TYPE MARKED "NO OIL" ON DASHPOT. ALL HARDWARE EXCEPT CONTACTS CADMIUM PLATED, MAX. CURRENT RATING IS 600 MA AT 600 VOLTS MAX.
	4/12/45 SC#2 COL-401780000 APR, 45 G-31203 REV D4829	4/18/45 811 Y-5231-D APR. 45 REV 0	4/19/45 810 Y-Z180-D APR. 45 REV O
	CKU- 29561 TBS-8  RELAY:  SPST NORMALLY OPEH. CONTACTS RATED 3  AMPS. 110V. 60 CYCLE NON-INDUCTIVE LOAD. COIL TO OPERATE ON 5 MA AT 10V DC; 15,200 TURNS #38 WIRE; APPROX 1950 OHMS DC RES. BAKELITE BASE.  4/12/45 2230538 CRY:K-843567P2  APR. 45 REV 7	C82-29567 TOP RELAY, TIME DELAY: SPST HORNALLY OPEN, OPEN TYPE TIME DELAY, SILVER PLATED CONTACTS. COIL RATED 110 VOLTS, 50 CYCLES. TIME DELAY 2 MINUTES. BI-PASS DASHPOT, INDEPENDENTLY CONNECTED ALL HARDHARE EXCEPT CONTACTS CADMIUM PLATED. 4/18/45 811 Y-6502-D APR. 45	CAY- 29575 TOP  RELAY, TIME DELAY: CONSISTS OF SILVER CONTACTS WHICH WILL CARRY 5 AMPS AT 125 VOLTS AC OR DC. AND A SELF STARTING SYNCHOROVUS MOTOR 110/ 1/60. HIGH CONTACT PRESSURE ASSURED BY THE LOCKED MOTOR TORQUE OF THE MOTOR. THE CONTACTS CLOSE AFTER A PREDETERMINED 4/19/45 TD STYLE CATALOG APR. 45 N-63 5468 41-365
	ANN 20562 TRC 0	cso- 29568 qcs	
	CAU- 29562 TBS-8  RELAY:  3PST NORMALLY CLOSED. CONTACT RATINGS:  RECOMMENDED LOAD LIMITS (BREA OR MAKE) 155 MATTS (MAX 3 AMPS) RECOMMENDED LOAD  LIMITS (CARRY) 150 WATTS (MAX 3 AMPS).  *CRV:P-713837 G530 REV 17 CRV:M-415604  P17 REV 10  4/12/45 AOA *SEE ABOVE  APR. 45 COIL:D-282282	RELAY:  4PST NORMALLY OPEN. CONTACTS RATED 30 AMPS 115V AC 4 AMPS 115V DC 30 AMPS 230 V AC, 0.75 AMPS 230V DC. COIL RATED 75V. DC; 1600 OMMS DC RESISTANCE; 12,000 TURNS #37 WIRE.  *CBX-746-58 ALT 1(FOR DIMENSIONS) 4/13/45 80XX *SEE ABOVE APR 45 COIL**X**	CAY- 29575 TIME DELAY AND WILL REMAIN CLOSED AS LONG AS MOTOR IS ENERGIZED.
	CAV-29562 COIL DATA: 21300 TURNS #39 SSC MIRE. 3000 OHMS DC RES NOM. OPER. 3.5-MA, OPERATE 7.5 MA.	CSD- 29569 QCR-1 RELAY: ISPSI NORMALLY OPEN, AND I SPDT. CON- TACTS RATED 30 AMPS AT 115V AC. COIL RATED 115 VOLTS, 60 CYCLES; 4200 TURNS #32 WIRE; 180 OHMS DC RESISTANCE. BAKELITE INSULATION.	CSD- 29576 SF RELAY MIDGET DPST, SINGLE BREAK, NORMALLY OPEN, FRONT CONTACT - CONTACT CLOSED WHEN COLL IS ENERGIZED. CONTACT RATINSS: 6 AMPS, 115V AC. 0.5 AMPS, 115V DC., 3 AMPS, 230V AC.
		4/18/45 8AAX101 CBM-746-145 APR. 45 COIL:D	COIL RATED 115 YOLTS, 0.028 AMPS., 8500 TURNS #41 WIRE, 4150 OHMS DC RESISTANCE 4/19/45 Mf60ET TYPE CBR:C-59 MAY 45 1 BXX COIL:85A TYPE 746-255
	CAU- 29563 TBS-8  RELAY, KEYING: OPST, ONE HORMALLY OPEN AND ONE NORMALLY CLOSED, CONTACT RATINGS: RECOMMENDED LOAD LIMITS (BREAK OR MAKE) - 135 MATTS (MAX 3 ANPS), RECOMMENDED LOAD LIMITS **CRY:P-713837 G528 REV 17 CRY:M-415604 P 17 REV 104.	CBZ- 29570 TOP  RELAY: 3 POLES NORMALLY OPEN. OPEN TYPE. SILVER PLATED CONTACTS RATED 25 AMPS. COIL  RATED 110 VOLTS 50 CYCLES, THERMAL  OVERIOADS 5.2 AMPS FOR 2 MOTORS. EACH  NOTOR RATED 110/1/50-60, 1/4 HP. ALL  HAROWARE EXCEPT CONTACTS CADMIUM PLATED.  4/19/45 709	CSD-29576 INCLUDING 2000 OHM RESISTOR IN SERIES WITH COIL.
	4/13/45 AQA * *SEE ABOVE APR. 45 COIL:D282282 ASSIGNED	APR. 45 815 ASSIGNED	
[	DATE MONICATINES MACHIGATIVES	DEUZZE CHURCH CANTON STAD	DATE MANUFACTURER'S MANUFACTURER'S DESIGNATION

DESIGNATION FIRST ASSIGNED FO	R OR SPECIFICATION	HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	ON SPECIFICATION	DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION
cso- 29577 qcs-1							
RELAY, MIDGET		CRY- 29584	TDQ				cBZ-29589
SINGLE POLE . SINGLE BRE	AK. NORMALLY	RELAY			TROPICALL	Y IMPREGNATED	COIL.
CLOSED - CONTACTS RATED		3 PST NORMA	LLY OPEN. CONT	ICTS RATED 3			
3 AMPS. 230V AC., 0.5 A	AMPS. 115V DC.	AMPS. 115V	AC NON-INDUCTES	PE. COIL DATA:			
COIL RATED 115 VOLTS. 2			S #3BE C WIRE, C RESISTANCE. !				
#CBM:PART 746-241	38 WIRE. 605 OHMS	BRACKET. RE	LAY TO CLOSE A	T LESS THAN 6.5			
4/19/45 MIDGET TYPE	CB#:748-241	MA. AND OPE	N BETHEEN 2.5	AND 3.5 MA.			
MAY 45 TXXA COIL: "50		4/23/45 TY		CRV:K-881727 P1 REV 2			
	4.4	11 45 CA	1. ga 13763				
csp- 29578 NJ-3		CATH- 2958	5 109		csz- 295	90 TEC	
RELAY DPST SB NORMALLY OPEN.	CILVED DIATED	RELAY, OVER	LOAD		CONTACTOR		
CONTACTS RATED 30 AMPS.			LY CLOSED. COÑ				EAKS PER CIRCUI
115V DC. 30 AMPS. 230V			O 500 MA. CONT. 5V AC NON-INOU				AT 230V, 60 CY 0.098 AMP. SEAL
DC. COIL RATED 24V DC.			TURNS #30 WIRE			ISTS OF 3030 T	
TURNS #32 WIRE. 180 OHR	S DC RESISTANCE.		CE. IN PARALLEI			OC RES., COIL	
5/5/45 8BXX 125	CBM:C-67	4/23/45 70	TC TYPE M-6635	7 USED WITH Crv:M-422579P1	IMPREGNAT		
MAY 45 COIL: MARK "D"		MAY 45		REV 7		702 SIZE 00 Open #435478	Y-4055-D
						-	
CAY- 29579 MK 8, MOD				CATH- 29585	cBZ- 295	91 TEC	
CIRCUIT BREAKER. THERMA 3 PST NORMALLY OPEN. ON		THIS RELAY.			CONTACTOR		
CUIT, CONTACTS RATED 25							EAKS PER CIRCUIT
ONLY 15 AMPS. SAME AS -						LLY OPEN INTÉRI 5 amps át 230v	LOCK. CONTACT . 60 CYC. COIL:
THERMAL RATING.			**				AMP SEALED. COIL:
					CONSISTS	OF 2530 TURNS	#33 wire. 180
4/20/45 \$ 7999022	CAY:75-A-958					ESISTANCE. CON	
MAY 45 TYPE AB	CHANGE 27					702 SIZE 1 Open 435479	Y-3298-D
					na: 40	V. LN 4334/3	
CAY- 29580 TOP				1141			
CIRCUIT BREAKER			CRY-50254		t Mancoure	ED	caz- 29591
POLE AIR CIRCUIT BREA		RELAY	ANY DO WOLTAG		PREGNAT	EU.	
RATED 35 AMPS 125/250 V	OLTS DC. 250V AC.		ANY DC VOLTAGI RRENT REQUIRED				
			12V. CONTACTS				
			RESISTIVE OR 11				
			UDIO AT 30 TO (				
4/20/45 999085 TYPE AB	CATALOG 29-060	4/28/45 1-		CRV:K-1-89256			
MAY 45 "DE-ION"		MAY 45		SUB 1			
	. Y v						
CSI- 29581 MK 8 HOD RELAY	·			CAU- 29586	CBZ- 295		
MAX CURRENT IN COIL AT	110V AC. IS 5	2 SETS OF S	PDT.		CONTACTOR		
MILLIAMPS. CONSISTS OF						TACT RATED 10	BREAKS PER CIR-
742 EN WIRE. CONTACTS R						.44 AMP INRUSH	
SISTIVE LOAD AT 110V AC	•						50 TURNS #34 W.I.F
							60 CYCLES, TROP
4/20/45 CS1:4RACHPL	CAY:13-D-4039					PREGNATED COIL 702 OPEN SIZE (	
MAY 45	CHANGE O	3			HAY 45		
					* *		
RY- 29582 MK 22		EBZ- 29587	TEC			93 HK 22	
RELAY OPDT - 2 SETS OF TRANSFI	FR CONTACTS COST	RELAY			RELAY. SOL		
PERATING VOLTAGE MAX.			LY OPEN, 1 NOR			OF A SINGLE OPE A MAGNETIC FIEL	
8.0 V DC AT 20°C. DC RI			ED 230V, 10 AM	IRE 270 OHMS DC		TIC FIELD STRUC	
OHMS MAX. 270 OHMS MIN.			5.8 WATTS 0.44				RE WHICH IS FREE
TO 0.07 AMPS, MIN. AMB. -40°C. CONTACT PRESSURE		0.098 AMP.	SEALED. COILS	MOISTURE		MOVES IN WHEN T	
4/20/45 A8045	CW:ESO-691526	RESISTANT.		Y-5536-D		ANO FALLS BACI G-34015	CW:ESO-691144
HAT. 45	ISSUE 6	4/25/45 B1	10, 4374/4	. 3930-0	HAY 45		155. 5
				100	14		
684HQ (W	cry- 29582	csp- 2958	8 TEC		*		CGE- 29593
GRAMS. (HIN.)		RELAY			IS DEENER	GIZED. COIL RA	TED 26V DC. 0.3
			LLY OPEN, CONT		RES.	D TURNS #30 WI	RE, 100 OHMS AC
			5V. COIL CONSIS 32 WIRE, 180 O				
			. 0.140 AMP. 01				
			CLOSED ARMATU		•		
		4/25/45 8	HYYY				
		MAY 45					
BY. 20507 TOO							
CRY- 29583 TDQ RELAY, KEYING		csz- 2958	9 TEC		CAY- 2959	4 TEC	
BELAT, RETING B PST NORMALLY OPEN. COM	STACTS RATED 3	CONTACTOR			CONTACTOR:	:	
MPS. 115 VOLTS AC NON-				EAKS PER CIRCUIT	. 3P, I NORM	ALLY OPEN. 1 N	ORMALLY CLOSED.
ATA: 17,300 TURNS #38 E	.C. WIRE. 220		LY OPEN INTERLE TED 25 AMPS 23		COLL CORC	ATED 100 AMPS,	230V. 90 CYCLE
				0.105 AMP SEAL-		ISTS OF \$50 TUR OHMS RESISTANC	INS #20-7113 E. #DE-10N" CON
VOLTS DC MAX 2000 OHMS Keys 40 words per minute Bearings	. HEAVT DUIT		ONSISTS OF 253		I ACIDE MIL	TH BLOW OUTS AN	O AKC SHOUIS.
KEYS 40 WORDS PER MINUTE Bearings.		W4RE. 180	OHMS OC RES. 2	30V. 60 CYCLES.			U ARC SHOUTS.
	CRY:K-881753 P1 REY 2 ASSIGNEE ISSUED	W4RE, 180 4#25/45 7 MAY 45 #	OHMS OC RES. 2: 02 SIZE I OPEN	30V. 60 CYCLES. Y-3298-D	4/26/45 D	N-330-P	59-D-334

CAY- 29595 TEC  4P, NORMALLY OPEN WITH I NORMALLY CLOSED INTERLOCK CONTACT. CONTACTS RATED 25 APSP. 230% 60 CYCLES. COMUSISTS OF 2750 TURNS \$31 MIRC, 145 OHMS OC RES, 230%, 60 CYCLES.  **OPEN CLASS 15-825  **ACPEN CLASS 15-825  **CAY- 29596 TEC  RELAY: 2PST, SINGLE BREAK, NORMALLY OPEN CONTACT RATED 25 AMPS CARRY OR BREAK ON A CREEK, 1 AMP OC. COIT RATED 4 AMPS MIN. 16 AMPS MAX. 12 AMPS CONTINUOUS. CONTACT RATED 5 AMPS CARRY OR BREAK CONTACT RATED 5 AMPS MAX. 12 AMPS CONTINUOUS. CONTACT RATED 20 AMPS MAX. 12 AMPS CONTINUOUS. CONTACT RATED 25 AMPS MAX. 14 S MODIFIED REV. 1  **CONTACT RATED 5 AMPS CARRY OR BREAK CONTACT RATED 15 AMPS MAX. 14 S MODIFIED REV. 1  **CONTACT RATED 5 AMPS CARRY OR BREAK CONTACT RATED 15 AMPS MAX. 14 S MODIFIED REV. 1  **CONTACT RATED 5 AMPS CARRY OR BREAK CONTACT RATED 15 AMPS MAX. 14 S MODIFIED REV. 1  **CONTACT RATED 5 AMPS CARRY OR BREAK CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CARRY OR BREAK CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT, CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT, CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT, CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS CONTACT RATED 15 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS MAX. 15 MODIFIED REV. 1  **CONTACT RATED 25 AMPS MAX. 15	WALLY OPEN LEAF ST NORMALLY CLOSES, SPOT LEAF TYPE CON SS SPOT VACUUM V DC MAX, 22V DC OF 2 COLL410 0011 0 REV 3 COL-410 0011 0 REV 3
TACTS.  TOPEN CLASS 15-825 4/20140, DIT-140 SIZE. 1 55-0-992 MAY 45 "SEE ABOVE  CAY- 29596 TEC RELAY: 2PST, SINGLE BREAK, NORMALLY OPEN CON- TACT RATED 5 AMPS CARRY OR BREAK ON AC BREAK, -1 AMP DC. COIL RATED 4 AMPS MIN. 18 AMPS MAX. 12 AMPS CONTINUOUS. CON- TACTS ARE REVERSIBLE SO AS TO AFFORD 2 MAKE OR I MAKE 1 BREAK OR SREAK CON- 4/26/45 SC-1, 77-0-418  MAY 45 Sg1036946 9  CAY- 29596  TACTS.  CAY- 29596  CAY- 29597  TOQ RELAY: 3 POLES: 1 SPST NORMALLY OPEN, 1 SPST NORMALLY COSED, 1 SPOT. COIL RESISTANCE 200 OMMS.  CAY- 29596  CAY- 29596  CAY- 29596  CAY- 29596  CAY- 29596  CAY- 29597  TOQ RELAY: 3 POLES: 2 SPOT AND 1 SPST NORMALLY COSED CONTACT. INCLUDES COIL WITH 1850 TURNS #31 MIRE, 50 OMS \$105 OR RESISTANCE OCC. **COCE: #165A-80VBO 3/16 MO-G-57843 4/30/45 **SEE ABOVE CR:*-7767940 MAY 45  CAY- 29597  TOQ RELAY: CONSISTS OF 2 SPST NORMALLY OPEN CON- TACTS AND ONE SPOT CONTACT, CONTACT RATI- TACTS AND ONE SPOT CON	ALLY OPEN LEAF ST-NORMALLY CLOSER SPOT LEAF TYPE CON 83 SPOT VACUUM V OC MAX, 22V OC OF 2 COILS 1S 30 COL:410 0011 O REV 3  AR TO -29514 AND ANGEMENT AND OPE-
#OPEN CLASS 15-825 #4/6/49. On-140 SIZE 1 55-D-992  MAY 45 *SEE ABOVE  CAT- 29596 TEC  RELAT: 2PST, SINGLE BREAK, NORMALLY OPEN CON- TACT RATEO 5 AMPS CARRY OR BREAK ON AC BREAK, -1 AMP DC. COIL RATEO 4 AMPS MIN. 16 AMPS MAX. 12 AMP COC. THORNWOUS. CON- TACTS ARE REVERSIBLE SO AS TO AFFORD 2  MAKE OR 1 MAKE 18 RERAK OR 2 BREAK CON- 4/26/45 SC-1, 77-D-418  MAY 45 \$\$\frac{1}{3}\$\$ POLES: 1 SPST NORMALLY CLOSED, 1 SPOT. COIL RESISTANCE 200 GMMS.  CAY- 29596  TACTS.  CAY- 29596  CAY- 29596  CAY- 29596  CAY- 29596  CAY- 29597  CAY- 29598  CAY- 29597  CAY- 29598  CAY- 29597  CAY- 29598  CAY- 29598  CAY- 29597  CAY- 29598  CAY- 29	ST-NORMALLY CLOSERS SPOT LEAF TYPE CON SS SPOT VACUUM V DC MAX, 22V DC DF 2 COILS IS 30 COL:410 0011 0 REV 3  CSD-29605 AR TO -29514 AND ANGEMENT AND DPE-
CAY- 29596 TEC  RELAY: 2PST, SINGLE BREAK, NORMALLY OPEN CON- TACT RATED 5 AMPS CARRY OR BREAK ON AC BREAK, -1 AMP DC. COIL RATED 4 AMPS MIN. 16 AMPS MAX. 12 AMPS CONTINUOUS, CON- TACTS ARE REVERSIBLE SO AS TO AFFORD 2 MAY 45 \$4/54/5 \$C-1, 77-0-418  CAY- 29596  TACTS.  CAY- 29596  CAY- 29597  CAY- 29596  CAY- 29597  CAY- 29596  CAY- 29597  CAY- 29597  CAY- 29596	ST-NORMALLY CLOSEB SPOT LEAF TYPE CON 53 SPOT VACUUM V DC MAX, 22V DC DF 2 COILS IS 30 COL:410 0011 O REV 3 CSD-29605 AR TO -29514 AND
RELAY: 2PST, SINGLE BREAK, NORMALLY OPEN CONTACT RATED 5 AMPS CARRY OR BREAK ON AC BREAK, -1 AMP DC. COIL RATED 4 AMPS MIN. 16 AMPS MAX. 12 AMPS CONTINUOUS. CONTACTS RATED 8 AMS CARRY OR BREAK ON AC BREAK, -1 AMP DC. COIL RATED 4 AMPS MIN. 16 AMPS MAX. 12 AMPS CONTINUOUS. CONTACTS ARE REVERSIBLE SO AS TO AFFORD 2 MAY 45 Sg1096946 9  TACTS.  CAY-29596  CAY-29596  CAY-29596  CAY-29596  CAY-29597  CAY-29597  CAR-29597  CAR-29597  CAR-29597  CAR-29597  CONSISTS OF 2 SPST NORMALLY OPEN CONTACTS. AND ONE SPOT CONTACT, CONTACTS RATED 15 SPST NORMALLY OPEN CONTACT. TO CONTACT RATED 15 SPST NORMALLY OPEN CONTACT RATED 15 SPST NORMALLY OPEN. CONTACTS R	ST-NORMALLY CLOSERS SPOT LEAF TYPE CON SS SPOT VACUUM V DC MAX, 22V DC DF 2 COILS IS 30 COL:410 0011 0 REV 3  CSD-29605 AR TO -29514 AND ANGEMENT AND DPE-
TACT RATED S AMPS CARRY OR BREAK ON AC BREAK, O. AC BREAK, O. I AMP DC. COIL RATED 4 AMPS MIN. 16 AMPS MAX. 12 AMPS CONTINUOUS. CONTACTS ARE REVERSIBLE SO AS TO AFFORD 2 MAKE OR I MAKE 1 BREAK OR 2 BREAK CON-4/26/45 SC-1, 77-D-478  MAY 45 S#1096946 9  CAY-29596  TACTS.  CAY-29596  CGE-29602 TBX-8  RELAY: 3 POLES: 2 SPOT AND 1 SPST NORMALLY CLOSED CONTACTS. INCLUDES COIL WITH 1850 TURNS #31 MIRE, 50 ONS ±104 DC RESISTANCE. CONTACTS RATED 15 TANCE. OPERATING VOLTAGE 8.5 TO 12.6V DC	ST-NORMALLY CLOSERS SPOT LEAF TYPE CON SS SPOT VACUUM V DC MAX, 22V DC DF 2 COILS IS 30 COL:410 0011 0 REV 3  CSD-29605 AR TO -29514 AND ANGEMENT AND DPE-
CAY-29596  CGE-29602 TBX-8  RELAY: 3 POLES: 2 SPOT AND 1 SPST NORMALLY CLOSED CONTACT, INCLUDES COIL WITH 1850 TURNS #31 MIRE, 50 OHMS ±10% DC RESIS- TANCE, OPERATING VOLTAGE 8.5 TO 12.6V DC. 4 CGE: #165A-80VBG 3/16 NO-G-37843 4/30/45 #SEE ABOVE CG:P-7767940 MAY 45  CLR-29597 TDQ RELAY: CONSISTS OF 2 SPST NORMALLY OPEN CON- TACTS AND ONE SPOT CONTACT, CONTACT RAT- 1NOS; 6 AMPS 115V DC. COIL DATA: 12V DC 2200 TURNS #31E WIRE, 67 OMMS DC RESIS- TANCE. CONTACTS ADJUSTED 50 THAT SPOT CONTACT CLOSES BEFORE THE 2 SPST CON-  CGE-29607 TCZ RELAY. CONTACTS RATED IS AMPS AT 28V DC, CONTINUOUS NON-INDUC- TIVE LOAD. COIL RATED 28V DC NOMINAL 2200 TURNS #31E WIRE, 67 OMMS DC RESIS- 55°C AT MAX COIL VOLTAGE. WILL OPERATE  CONTACT CLOSES BEFORE THE 2 SPST CON-	CSD- 29605 AR TO -29514 AND ANGEMENT AND DPE-
TACTS.  RELAY: 3 POLES: 2 SPOT AND 1 SPST NORMALLY CLOSED CONTACT, INCLUDES COIL WITH 1850 TURNS #31 WIRE, 50 OHMS ±105 DC RESIS- TANCE, OPERATING VOLTAGE 8.5 TO 12.6V DC.  **CGE: **1654-80VBG 3/16 HO-G-37843 4/30/45 **SEE ABOVE CG:P-7767940 MAY 45  CLR- 29597 TDQ RELAY: CONSISTS OF 2 SPST NORMALLY OPEN CON- TACTS AND ONE SPDT CONTACT, CONTACT RAT- 1NCS; 6 AMPS 115V DC. COIL DATA: 12V DC 2200 TURNS #31E WIRE, 67 OHMS DC RESIS- TANCE. CONTACTS ADJUSTED SO THAT SPDT CONTACT CLOSES BEFORE THE 2 SPST CON-  RELAY:  **CAUX- 29603 TCZ /** RELAY. CONTACTS RATED IS 3 PDT, NORMALLY OPEN. CONTACTS RATED IS 4 POR APPS AT 28V DC, CONTINUOUS NON-HODUC- 11VE LOAD. COIL LATED 28V DC NOWINGAL 2200 TURNS #31E WIRE, 67 OHMS DC RESIS- TANCE. CONTACTS ADJUSTED SO THAT SPDT CONTACT CLOSES BEFORE THE 2 SPST CON-  **CGE- 29607 TCZ RELAY. CONTACTS RATED IS 3 PDT, NORMALLY OPEN. CONTACTS RATED IS 4 POR APPS AT 28V DC, CONTINUOUS NON-HODUC- 11VE LOAD. COIL LATED 28V DC NOWINGAL 2200 TURNS #31E WIRE, 67 OHMS DC RESIS- 150°C AT MAX COIL VOLTAGE. WILL OPERATE  **OCHTACT CONTACTS RATED IS 1 POR APPS AT 28V DC, CONTINUOUS NON-HODUC- 2 PDT MITH ONE POLE. NO 1 LILARY. COIL RATED 28V DC MAX. 18V DC MIN. 12 DC MAX. 18V DC MIN. 12 DC AUXILLARY CONTACTS DC. A	AR TO -29514 AND ANGEMENT AND DPE-
TURNS #31 WIRE, 50 DMMS ±108 DC RESIS- TANCE. OPERATING VOLTAGE 8.5 TO 12.6V DC.  **GGE: *165A-80YBG 3/16 NO-G-37843 4/30/45 **SEE ABOVE	NTACTS.
### 4/30/45 #SEE ABOVE CG:P-7/367940 HAY 45 PT 1 REV. 2  CLR- 29597 TOQ  RELAY:  CAOX- 29603 TCZ -  RELAY:  CONSISTS OF 2 SPST NORMALLY OPEN CON- TACTS AND ONE SPDT CONTACT, CONTACT RAT- INCS; 6 AMPS 115V DC. COIL DATA: 12V DC 1NCS; 6 AMPS 115V DC. COIL DATA: 12V DC 2200 TURNS #31E WIRE. 67 OMNS OC RESIS- TANCE. CONTACTS ADJUSTED 50 THAT SPDT  TANCE. CONTACTS ADJUSTED 50 THAT SPDT  ±101 DC RES. TEMP RISE 15 45°C ABOVE  CONTACT CLOSES BEFORE THE 2 SPST CON-  ###################################	
RELAY: CONTROL: CGE-29607 TCZ CONSISTS OF 2 SPST NORMALLY OPEN CON- TACTS AND ONE SPDT CONTACT, CONTACT RAT- INGS; 6 AMPS 115V DC. COIL DATA: 12V DC 2200 TURNS #316 WIRE, 67 OMS DC RESIS- TANCE. CONTACTS ADJUSTED 50 THAT SPDT  CONTACT CLOSES BEFORE THE 2 SPST CON-  TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN	
CONSISTS OF 2 SPST NORMALLY OPEN CON- TACTS AND ONE SPOT CONTACT, CONTACT RAT- INGS, 6 AMPS 115V DC. COLIL DATA: 12V DC 2200 TURNS #51E WIRE, 67 OHMS DC RESIS- TANCE. CONTACTS ADJUSTED SO THAT SPOT CONTACT CLOSES BEFORE THE 2 SPST CON- S5°C AT MAX COIL VOLTAGE. MILL OPERATE DC. AUXILIARY CONTACTS.  RELAY. CONTROL 2PDT MITH ONE POLE. MC 1 LILARY. COIL RATED 280 1 LILARY. COIL RATED 280 2 DC MAX. 18V DC MIN. 15 DC MAX. 18V DC MIN. 15 DC MAX. 18V DC MIN. 15 DC. AUXILIARY CONTACTS	
4/26/45 2023 MXF CRV:K-882676P1 5/1/45 R30F COL-405001200 28V DC, CONTINUOUS NOT MAY 45 REV 1 NAY 45 REV 1 5/1/45 G-32811 MAY 45	V DC NOMINAL, 32V 25 OHMS ±10% DC TED 12 AMPS AT 28V
CLR 29597  TACTS CLOSE AND OPENS AFTER THE 2 SPST CONTACTS OPEN.  AT ALTITUDE OF 50,000 FT. SIMILAR TO SAME AS -29515 EXCEPT CONTACTS OPEN.  -29513 EXCEPT CONTACTS ARE NORMALLY	cGE- 29607
OPEN.	
CLR- 29598 TOQ CGX- 29604 TCZ CANT- 20608 TCZ	
CCR- 29598 TOQ  RELAY: A PST HORMALLY OPEN. INTERLOCK NORMALLY OPEN. CONTACT RATING 6 AMP\$ 115V AC. COIL DATA: 60 VOLTS AC, 3000 TURNS #33E MIRE, 155 OMMS DC RESISTANCE.  COIL DATA: 60 VOLTS AC, 3000 TURNS #33E MIRE, 155 OMMS DC RESISTANCE.  COX- 29604 TCZ  RELAY: CONTACTS RATED 10  AMPS AT 28V OC, CONTINUOUS NON-INDUCTIVE LOAD. COIL RATED 28V DC NOMINAL. 32V DC  MAX AND 18V DC MIN. 150 OMMS ±101 DC  RES. TEMP. RISE IS 45°C ABOVE 50°C AT MAX  AMPS AT 28V DC, AUXILI  AMPS AT 28V DC,	V DC NOMINAL, 32V .5V DC RELEASE, 18 N CONTACTS RATED 1
4/26/45 COIL: #372 CRY:K-882741P1 COIL VOLTAGE. WILL OPERATE AT ALTITUDE 8 AHPS AT 28V DC. CONT 5/1/45 12957-1 COL:405 0009 00 5/1/45 R22A MAY 45 MAY 45	
CSD- 29599 QCN-2  RELAY:  OF 50,000 FT. SIMILAR TO -29513 EXCEPT  SPST SB NORMALLY OPEN CONTACTS RATED  FOR DIMENSIONS AND CONTACT RATINGS.  MENSIONS AND COLUMBER.	
SYST SB NOWARLLT OPEN CONTACTS RATED FOR DIMENSIONS AND CONTACT RATINGS.  MENSIONS AND COIL REST 115V DC (NON-INDUCTIVE LOAD). COIL RATED 110V, 60 CYCLES, 6 AMPS.	STANCE.
4/28/45 CX-2115 CBM-746-127 MAY 45 ALT D	
CGE- 29600 QFB  RELAY, THERMAL TIME DELAY:  SPST NORMALLY OPEN. NON-COMPENSATING CONSISTS OF 3PST NORMALLY OPEN LEAF TYPE TYPE FOR CONTINUOUS HEATER EXCITATION ON 115V AC LINE. CONTACTS JO CLOSE IN 30±5 SEC. AT 70" AMBIENT TEMP.  4-PRONG RADIO BASE. HEATER CONNECTED TO SMALL PINS AND CONTROL CONTACTS COH- 4/30/45 B-1511 CBM-746-334 MAY 45  ALT O  CGE- 29609 TCZ RELAY, KEYING CONSISTS OF 3PST NORMALLY OPEN LEAF TYPE CONTACTS, OME SPST NORMALLY CLOSED LEAF CONTINUOUS. NON-INDUCT TYPE CONTACT, 2 SPDT LEAF TYPE CONTACTS RATED 28V DC NOMINAL, MIN. 150 OHMS ±104 DC AGE 7.5V DC MAX. SIMIL FOR ALT O CBM-746-334 MAY 45  REV 010812  ASSIGNED  MAY 45  CGE- 29609 TCZ RELAY, CONTROL 2PDT. CONTACTS RATED I CONTINUOUS. NON-INDUCT NOT ACTION OF THE CONTACTS CONTINUOUS. NON-INDUCT CONTACTS, OME SPST NORMALLY OPEN LEAF TYPE CONTACTS RATED I CO	IVE LOAD. COIL 32Y DC MAX. 18Y DI RES. RELEASE VOLT AR TO -29516 EX-
DATE MONUFACTURER'S CAMULTACTURER'S DATE MONUFACTURER'S CAMULTACTURER'S DATE MONUFACTURER'S	MANNIACTIVITA

HAYY TYPE FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION
CAOX-29610 TCZ RELAY, CONTROL 2PDI. CONTACTS RATED 12 AMPS AT 28V DC CONTINUOUS, NON-INDUCTIVE LOAD. COIL RATED 28V DC NOWINAL. 52V DC *AX, 18V DC MIN. 185 DHMS ±10x DC RES. RELEASE VOLT-	CSD-29616 SF RELAY, TIME OELAY SPOT CONTACTS RATED 1/2 AMP. 115V DC. COIL RATED 110V DC. 8500 TURNS #41 WIRE, DC KESISTANCE 4150 OHMS INCLUDING 2000 OHM RESISTOR IN SERIES WITH THE COIL.	CAUH- 29623 500 OHMS ±10% D.C RESISTANCE.
AGE 7.5V DC MAX, SIXILAR TO -29516 AND -29509 EXCEPT FOR DIMENSIONS AND COIL 5/1/45 R228 COL:410 0015 00 MAY 45 REV 2	TIME DELAY I MINUTE.  GCBM TYPE 746-496 *CSD:7512  5/7/45 PTAH 125 CBM:C-68 (FOR MAY 45 COIL: "85A" & DIMENSIONS ONLY) *	
CAOX- 29610 RESISTANCE.	CRY-29617 YR RELAY SPST, NORMALLY OPEN. COIL RATED 220V DC. CONSISTS OF 30,600 TURNS #38 ENAMEL COT- TON WIRE, 3300 OHMS DC RES. AC NON-IN- DUCTIVE CONTACT RATING IS 3 AMPS AT 150 MATIS.	CHP- 29624 JAB, TBU, TBK, TBM RELAY, TIME DELAY: N.O. CLOSES 30 SEC. AFTER START, HER- METICALLY SEALED, CONTAINS SYNCHRONOUS MOTOR, CLOSING A MICROSHITCH THROUGH A GEAR TRAIN, 3" DIAM, 3 1/2" HIGH, FOR 11 VOLTS, 60 CYCLE OPERATION OTHERMISE SAME AS MANY TYPE -29670.
	5/7/45 TYPE C CATALOG MAY 45 CONTACT FORM 1A	5/8/45 CHP:5111(60~) CAY:P-7710009-SI JUN. 45 SUB 7
CCQ- 29611 AN/APA-17A  RELAY APDT, CONTACTS RATED 10 AMPS AT 115V AC, OR 24V DC, 0-5 AMP AT 115V DC. COIL DA- TA: PULLS IN AT 17.5V MAX, AND DROPS OUT AT 8.5V MAX: 200 OMMS DC RESISTANCE. SI- MILAR TO -29261 EXCEPT FOR COIL DATA.	CRY- 29618 YR  RELAY DPST, NORMALLY OPEN. COIL RATED 220V DC. CONSISTS OF 30.600 TURNS #38 ENAMEL COTTOW WIRE, 3300 OHMS DC RES. AC NON- INDUCTIVE CONTACT RATING IS 3 ANPS AT 150 MATTS.	-29625 AN/SPT-6A RELAY, TIME DELAY: SPSI, NORVALLY OPEN. CONTACTS RATED 115 VOLTS, 6 AMPS AC OR OC; 110 SECOND DE- LAY IN CLOSING NOMINAL, ENCLOSED IN A VACUUM TUBE, 6 PRONGS.
5/2/45 BOY12034 CKB:36-A00A046- HAY 45 1 REV E	5/7/45 TYPE C MAY 45 CONTACT FORM 2A	5/8/45 CAGK-6NO-110 CKV:A-62238-1 JUN. 45 CEE:CHR2-4AM56 REV 4
CSD-29612 NM-14A RELAY SPST DB. NORMALLY OPEN. SILVER CONTACTS RATEO 1 AMP. 115V DC. 6 AMP. 115V AC. 3 AMP. 220V AC. COLL RATEO 100V DC 0.061 AMPS. 7500 TURNS #40 WIRE: 1400 OHMS DC RESISTANCE. INCLUDES A 2000 OHM RESISTOR IN SERIES WITH THE COLL FRONT #0LD CSD #CXE 1893, OCBM TYPE 746-114 5/4/45 IHXX100 CBM:C-56 MAY 45 COLL: "75A" O "SEE ABOVE	CRY- 29619 YR  RELAY DPST. ONE CONTACT NORMALLY OPEN, ONE MORMALLY CLOSED. COIL RATEO 220V DC. CONSISTS OF 30,600 TURNS #38 ENAMEL COT- TON MIRE, 3300 OHMS DC RES. AC NON-EN- DUCTIVE CONTROL RATING IS 3 AMPS AT 150 MATTS. 5/7/45 TYPE C CONTACT MAY 45 FORN 14 & 18	CAU- 29626 AN/CPN-6  RELAY: SINGLE POLE, CONTACTS RATED I AMP 115V AC, NORWALLY CLOSED, RELAY TO OPEN CONTACTS WHEN THE CURRENT IS SLOWLY INCREASED TO 7 MA OR LESS, RELAY TO RECUSE CONTACTS WHEN THE CURRENT IS DECREASED TO NOT MORE THAN 4 MA. COIL 5/3/45 - M77726-1 CGG-59C106237 JUN. 45
CSD-29612 CONTACTS. ISOLANTITE BASE.	CSG- 29620 SF-1. RELAY, TIME DELAY SPOT CONTACTS RATED 1/2 AMP. 110V DC. COIL RATED 110V DC. 20 MA (APPROX.); 5000 OHMS DC RESISTANCE: 10.000 TURNS #42 MIRE. TIME DELAY 1 MINUTE. GCBM TYPE 746-519 #CSD:PTAH 125	CAV-29626 RATED 52 TO 162V DC, 3300 OHMS DC RESISTANCE.
	5/7/45 PTAH 18 CBM:C-68 (FOR MAY 45 COIL:7556-428 DIMENSIONS ONLY)*	
CATM- 28613 TDD  RELAY DPOT. CONTACTS RATED 5 AMPS AT 115Y AC NON-INDUCTIVE. HORMAL OPERATING VOLTAGE 32V DC. COIL (768): 54 TURNS #35 P.E. WIRE. 480 OHMS DC RES.  6/5/45 204AH MAY 45	CSD-29621 MAB RELAY SPOT CONTACTS RATED 6 AMPS 115V AC. 0.5 AMPS. 115V DC. COIL RATED 120V DC. 8500 TURNS MAT WIRE; 4150 OMMS DC RESISTANCE INCLUDING 2000 OMM RESISTOR IN SERIES WITH THE COIL. GC8M TYPE 746-104, OLD CSD TYPE CS1396 5/7/45 1XCX1092 C8M:C-82 MAY 45 COIL:"85A"9 CSD:10924	CGE- 29627 UN  RELAY: SPSI, NORMALLY CLOSED, CONTACTS RATED 5 AMPS, 2509 AC, OR 10 AMPS, 1509 AC, 60 CPS. 0PERATING PRESSURE 25 GRASS MIN. COIL RATED 10 1/2 VOLTS, 0.024 AMPS, 20 CPS; 1100 TURNS #29E WIRE, 15.2 OHMS (±103) DC RES. 5/8/45 G25352 CW:3A-10261-1 JUN. 45 ISS. 1*
CATH- 29614 TDD  RELAY SPST, DOUBLE MAKE, CONTACTS RATED SO AMPS AT 115V AC NON-INDUCTIVE, NORMAL OPERATING VOLTAGE 110V AC, COIL (#67): 4308 TURNS #34 P.E. WIRE, 280 OHMS DC RES.  5/5/45 961C MAY 45	CSD- 29622 WAA SPOT SB CONTACTS RATED 6 AMPS. 115V DC. 0.5 AMPS. 115V DC. 0.50 COIL RATED 60V DC. 7500 TURNS #40 MIRE, 1400 OHMS OC RES.  6 OCBM TYPE 746-86, OLD CSD TYPE CX2866, CXF 1396  5/7/45 IXCX100 CBM:C-82 MAY 45 COIL 75A O	CV-29628 UN  VOLTMETER RELAY, AC: SINGLE CONTACT TYPE, MANUALLY RESET; CONTACT MAKES AT 0.55V, 60 CPS, ±0.05V ON DECREASING VOLTAGE, CONTACT CAPACITY 5 MATTS OR 50 MA AT 110V MAX. FOR USE WITH FREQUENCIES 255-3145 CPS, METAL *CWT:SL-629575-ISS 1 ESL-304671 ISS 5 5/8/45 SPEC, MODEL 705 *SEE ABOVE JUN. 45 CWT:S-8385 ISS 1
CSD- 29615 SF RELAT  DSST. NORMALLY OPEN. CONTACTS 6 AMPS. 115V AC. 1 AMP 115V DC. 3 AMPS 230V AC. COIL RATED 110V DC. 20 MA. 1000 TURNS #42 WIRE. 5500 OHMS DC RESISTANCE.  DCBH TYPE 746-497  5/5/45 18XX125 CBM:C-59 MAY 45 GSEE ABOVE		CASE  FINISHED WITH TYPE 8 EXTERNAL RECTIFIER AND RESISTANCE BOX AND A 4 DISC FULL MAYE BRIDGE TYPE COPPER OXIDE RECTIFIER.
1550	ISSUED	

DATE MONIFICATIVESS CAMMINGTHANDS

FRANKISCHIAR CHARLES

DATE MANUFACTURER'S

arantorikura

NATY TYPE DESIGNATION FIRST ASSIGNED FOR MAYY DRAWING	NAVY TYPE	NAVY TVBE
DESIGNATION PROPERTY OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	HAYY TYPE FIRST ASSIGNED FOR OR SPECIFICATION
CAU- 29629 AN/CPN-6 RELAY OVERLOAD: 2 SETS OF CONTACTS, 2 POLE NORMALLY CLOSED. CONTACTS RATED 135W, 3 AMPS MAX AC OR DC, SINOLE WOUND. 32 TO 162 VOLTS DC 3000 OMMS DC RESISTANCE SLOW RELEASE. LOWER CONTACT SET 0.025" POLE GAP AND UPPER CONTACT SET 0.014" POLE GAP. LOWER 5/9/45 ASR-H/7/419-1 CGG-59C102356 JUN. 45	CSD- 29635 NM-14  RELAY 2 PST NORMALLY OPEM. SILVER CONTACTS RATED 6 AMPS 115V AC. 1 AMP 115V DC 3  AMPS. 230V AC. COIL RATED 220V AC. 0.024  AMPS. CLOSED. 0.041 AMPS OPEM. IMPEDANCE AT 60 CYCLES 9700 OMMS 2910 OMMS DC RES  BCBM-609-24, OLD CSD TYPE CS-1730  5/3/45 18XX CBM-746-10  JUN. 45 COIL: "100A" 0	CH - 29641 SR-2 RELAY, TIME DELAY SPST, NORMALLY OPEN, SINGLE BREAK PER CIRCUIT, CONTACTS RATED 5 AMPS, 1154, 6 CPS, SHADED POLE SYNCHRONOUS MOTOR," 1154, 60 CPS, 0.05 AMP, 2 WATTS INPUT, TOTALLY ENCLOSED REDUCTION GEAR TRAIN BUILT IN, 1/2 MINUTE TO 3 MINUTES 5/10/45 RX1036 CRYX-439060-1 JUN, 45
CAU-29629 CONTACTS SET TO OPEN AT .005 AMP WITH 0.001 AMP MIN DROP OUL; 0.300 SEC	cso- 29635	CH-29641
MINIMUM RELEASE TIME. COIL AND FRAME IMPREGNATED WITH ANT! FUNGUS VARNISH.		
		csD- 29642 NM-14
CLR- 29630 AN/CPN-6 RELAT: OHE CONTACT NORMALLY OPEN, DOUBLE BREAK 15 AMP 115V AC. SECOND CONTACT NORMALLY CLOSED 4 AMP 115V AC. COIL DATA - SINGLE MINDING, 115V AC; 0.065 MA, 50-70 CPS, 530 OHMS DC RESISTANCE. TO OPERATE IN	CH-29636 SR-2 RELAY: 5 PSI, SINGLE BREAK, NORMALLY OPEN, 3 SINGLE POLE CONTACTS RATED 35 AMPS, 2 SINGLE POLE CONTACTS RATED 10 AMPS, ALL CONTACTS RATED 115V, 60 CPS, COIL PATED 115V, 60 CPS, O.1 AMP; 2600 TURNS #34E	RELAY 3PST, NORMALLY OPEN, SILVER CONTACTS RATED 4 AMPS. 1157 DC. 30 AMPS. 2307 AC FRONT CONTACTS, COIL RATED 220 VOLTS, 6 CYCLES, 0.056 AMPS. ARVATURE CLOSED, 0.098 AMPS. ARVATURE DETY, 7000 TURNS
TEMPERATURE FROM -40°C TO +50°C. FAST 5/9/45 1326-DEN CGG-59C100360 JUN. 45	MIRE, 140 OHMS DC RES. 5/9/45 RX-981 CRV:P-719549-1 JUN. 45 REV. 2	OFART OF CBM TYPE 746-109 5/10/45 CXA-2356 CBM:SKETCH JUN. 45 COIL: MARK "M" 6
CLR-29630 ACTING IMPREGNATION FOR TROPICAL USE.	CSD- 29637 SR-2 RELAY: SINGLE POLE, 8 SISPS, CONTACTS TO OPEN	CSD- 29642 #35 WIRE: 4107 DHYS IMPEDANCE AT 60 CYCLES; 600 OHMS OC RESISTANCE.
	BEIMEEN STEPS. CONTACTS RATED 25 AMPS, 1154, 60 CPS, INDUCTIVE LOAD, 1/2 AMP, 1154 DC. COIL RATED 1154, 60 CPS, 1.0 AMPS; 1000 TURNS #29SCE MIRE, 21.8 OMMS DC RES.	
	5/9/45 96LXH101 CRV:P-719589-1	
CCX- 29631 AN/CPN-6 RELAY, TIME DELAY; SPOT, NORMALLY CLOSED. CONTACT RATING 125V AC. 10 AMP. COIL DATA; SINGLE MINDING; 115V, 550 OHMS OC RESISTANCE. 20 SEC +2 SEC. TIME DELAY. ANTI-FUNGUS	CSQ- 29638 SR-2 OVER-CURRENT BREAKER: BREAKS AT 15 AMPS. PUSH BUTTON RESET. CONTACTS RATED 15 AMPS. 115V AC.	CSD- 29643 NM-14  RELAT, THERRAL TIME DELAY  SPST, NORMALLY OPEN. SILVER CONTACTS RATEO O.1 AMP. AT 4400 AC. 45 SECONDS CLOSING TIME. HEATER COIL RATEO 4400. 6 CYCLES. 2000 OHM RESISTOR IN SERIES WIT THE COIL.
TREATED. OCGG #59K48804 5/9/45 T06-20 SEC CGG-59C48806 JUN. 45 OSEE ABOVE	5/9/45 CDM-15 CRV:K-887651-1	*PART OF CBM TYPE 746-109 5/10/45 TD-564 CBM:C-89 JUN. 45 *SEE ABOVE
CCX- 29632 AH/CPN-6 RELAY, TIME DELAY: SPDT, NORMALLY CLOSED. SILVER CONTACTS RATED 125V AC. 10 AMP. COIL DATA: SIN- GLE HINDING. 115 VOLTS, 550 OMMS OC RESISTANCE. 130 SEC -0+30 SEC TIME DELAY ANTI-FUGUS TREATED.	CSD-29639 NM-14 RELAY: 3 PSI HORMALLY OPEN. SILVER CONTACTS RATED 4 AMPS 115V DC, 30 AMPS 230V AC. FRONT CONTACTS. COIL RATED 75V DC, 12000 TURNS #37 WIRE, 1600 OHMS DC RES.  OPART OF CON TYPE 746-109	CSD- 29644 NM-14 A RELAY, THERMAL TIME DELAY SPST, NORMALLY OPEN. SILVER CONTACTS RATED 0.1 AMP. AT 440V AC. 45 SECONDS T CLOSE. HEATER COIL RATED 220V 60 CYCLES 300 OHMS OC RESISTANCE. 925 OHM RESISTO IN SERIES WITH COIL. **PART OF CBM TYPE 746-110
OCGG #59K48305 5/9/45 TD6-180 SEC CGG 59C48806 JUN. 45 OSEE ABOVE	5/10/45 CXA-2366 JUN. 45 COIL: MARK "X" O	JUN. 45 *SEE ABOVE
CCX- 29633 AN/CPN-6 RELAY, TIME DELAY; SPOT, NORMALLY CLOSED, SILVER CONTACTS	CSD- 29640 NM-14 RELAT IPDT, IPST, NORMALLY OPEN, SILVER CON-	CSD- 29645 NN-14 A RELAY SPOT. SPST. NORMALLY OPEN. SILVER CON- TACTS RATED 15 AMPS. 230V AC. 30 AMPS.
RATED 125 VOLTS AC, 10 AMP. COIL DATA: SINGLE WINDING. 115.VOLTS, 550 OHMS OC RESISTANCE 2 SEC (-0+.5 SEC) TIME DELAY. ANTI-FUGUS TREATED. GCGG-59C48806 5/9/45 106-20-30 SEC CGG-59C48806 JUN. 45 ØSEE A80VE	TACTS RATED 30 AMPS. 115V DC. 15 AMPS. 23 DV AC. FRONT CONTACTS. COIL RATED 44 OV AC. 60 CYCLES. 0.024 AMPS ARMATURE CLOSED; 0.038 AMPS. ARMATURE OPEN: IMPE- DANCE AT 60 CYCLES 18335 OMMS. 15000 5/10/45 CX4-2854 CBMISKETCH JUN. 45 COILIMARK "H" PART OF 746-109	115V DC. FRONT CONTACTS. COLL RATED 220 60 CYCLES. 0.056 AMPS ARMATURE CLOSED. 0.098 AMPS. ARMATURE OPEN; 7000 TURNS 6PART OF CRM TYPE 746-110 5/10/45 CXA-2854 CBM:SKETCH JUN. 45 COIL: MARK "N" 6
CBZ- 29634 SR-2 RELAY:	CSD-29640 TURNS #39 WIRE; 3200 OHMS OC RESISTANCE.	CSD-29645 #35 WIRE: 4107 OHMS IMPEDANCE AT 60 CY- CLES; 600 OHMS DC RESISTANCE.
DPST, ODUBLE BREAK HORMALLY CLOSED, CONTACTS RATED 10 AMPS, 115V; NON- 1N- DUCTIVE LOAD, COIL RATED AT 115V, 60 CPS, 0.92 AMPS INRUSH, 0.204 AMPS SEALED 1450 TURNS #31E WIRE, 67 OHMS DC RES.		
5/9/45 BULLETIN 700 CRV:M-433221 JUN. 45 BO20 REV. 0 ASSIGNED 133UED 133UED	ASSIGNED ISSUED	
DATE MANUFACTURER'S MANUFACTURER'S	DATE MANUFACTURER'S MANUFACTURER'S	DATE MANUFACTURER'S MANUFACTURER'S

MAYY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	MAYY TIPE DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
CSD- 29646 NM-14 A RELAY	cso- 29653 QCL-5	cso- 29658
3PST. NORMALLY OPEN. SILVER CONTACTS	RELAY, PHONE OPST, SINGLE BREAK, NORMALLY CLOSED.	CYCLES; ARMATURE OPEN 0.092 AMPS; CLOSED 0.054 AMPS.
RATED 4 AMPS. 115V DC, 30 AMPS. 230V AC.	CONTACTS RATED I AMP. 115V DC. 6 AMPS.	0.034 Kill 3.
FRONT CONTACTS. COIL RATED 100V DC. 15000 TURNS #39 WIRE, 3200 OHMS DC RES.	115V AC, 3 AMPS. 230V AC. COIL RATED 75V	
	DC. 8500 TURNS #41 WIRE, 2150 OHMS DC RESISTANCE.	
OPART OF CBM TYPE 746-110 .5/10/45 CXA-2366 CBM:SKETCH	OOLD CSD TYPE CXA-1848A, CBM TYPE 746-82	
JUN. 45 COIL: MARK "H"O	5/12/45 1XX3101 CBM:T746-82 Jun. 45 COIL:85AAB	
CSO - 29647 NH-14	CSD- 29654 WAA	csp- 29659 QCR-1
RELAY	RELAY, POWER	RELAY. TIME DELAY THERMAL
SPST DOUBLE BREAK, NORMALLY OPEN. SILVER CONTACTS RATED 1 AMP. 115V DC. 6 AMPS.	DEST. DOUBLE BREAK. FRONT AND BACK CON- TACTS RATED 30 AMPS. 115V AC. 4 AMPS.	SPST CONTACTS RATED 3 AMPS, 115 VOLTS.
115V AC. 3 AMP. 230V AC. FRONT CONTACTS.	115V DC, 30 AMPS. 230V AC, 2 AMPS. 230V	60 CYCLES. RELAY SHOULD CLOSE IN 42 SEC- ONDS. INSULATION TEST 800V RMS HEATER TO
COIL RATED 75V DC. 8500 TURNS #41 WIRE; 2150 OHMS DC RESISTANCE.	DC. CDIL RATED 60V DC. 9000 TURNS #36 Wire. 930 Ohms DC Resistance. Also has	CONTACT, REPEAT WITH SOOV DC MEGGAR.
GOLD CSD TYPE CX-1898, CBM TYPE 746-113	OOLO CSO TYPE CX-2867, CBM TYPE 746-85	OSAME AS CSO TYPE PYA2,*CSD:P-3670A, CBM TYPE 746-147
5/10/45 1HXX100 CBM:C-56 Jun. 45 Coil: Mark #85A0	5/12/45 84X8X102 CBM:C-71	5/14/45 T056413 CBM:C-70
	JUN. 45 COIL; "1" Θ	JUN. 45 ØSEE ABOVE *SEE ABOVE
csp- 29648 NJ-3	and marks	csp- 29659
RELAY, MIDGET	CSD-29654 BLOW OUT COIL RATED 8 AMPS: 63 TURNS #16	HEATER COIL #40 NICHROME WIRE, 660 OHMS
DPDT CONTACTS RATED. 6 AMPS. 115V AC. COIL RATED 110V AC. 60 CYCLES. 5000	MIRE, 0.04 OHMS DC RESISTANCE.	± 10% DC RESISTANCE.
TURNS #38 WIRE. 605 OHMS OC RESISTANCE.		
ISOLANTITE BASE.		
90L0 CS0 TYPE CXC-1898, CBM TYPE 746-31	and the second of the second o	
5/10/45 1XBX112 CBM:C-55		
JUN. 45 COIL: "50A"O "SEE ABOVE		
CSO- 29649 WAB		
RELAY, MIDGET	CSD- 29655 WCA	csD- 29660 NM-14
OPDT SINGLE BREAK. CONTACT RATINGS: 6	RELAY, MIDGET DPDI, NORMALLY CLOSED. CONTACTS RATED	RELAY, POWER  4PSB, NORMALLY OPEN. CONTACT RATINGS: 50
AMPS, HOV AC. 1 AMP, HISV DC. 3 AMPS. 230V AC. COIL: 60 VOLTS DC. 7500 TURNS	# AMP. 115V DC. 6 AMPS. 115V AC. 3 AMP.	AMP. 110V AC. 4 AMP. 110V DC. 25 AMP.
#40 WIRE, 1400 OHMS DC RESISTANCE.	230V AC. COIL RATED 75V DC. 8500 TURNS #41 WIRE, 2150 OHMS DC RESISTANCE.	220V AC. 0.75 AMP. 220V DC. COIL RATED
BOLO CSO TYPE CXC-1898, CBM PART #746-84	get wine, 2130 onns oc Restainner.	220V AC. 7000 TURNS #35 WIRE. 600 OHMS OC RESISTANCE: ARMATURE OPEN 0.098 AMPS.
5/10/45 1XBX112 CBM:C-55	*OLD CSD TYPE CS1729A, CBM TYPE 746-166	CLOSED 0.056 AMPS. 4107 OHNS IMPEDANCE
JUN. 45 COIL: 75A 0	5/*4/45 1XBX105 CBM:C-60 JU . 45 COIL: 85A #SEE ABOVE	5/14/45 AFBJ8 CBM:SKETCH JUN. 45 COIL: MARK "M" CBM TYPE 609-25
CSD- 29650 NCA		
CSD- 29650 NCA RELAY, HIDGET	-29656 DBE	cso- 29660
DPDT SINGLE BREAK. CONTACT RATINGS: 6	CIRCUIT BREAKER CURRENT RATING 5 AMPS. TRIPPING TIME 30	AT 60 CYCLES. FRONT CONTACT. BAR MOVING CONTACT.
AMPS. 115V AC. 1 AMP. 115V DC. 3 AMP. 230V AC. COfl: 75V DC. 8500 TURNS #41	SECONDS ± 15 SECONDS AT 25° ± 5°C.	
WIRE 2150 OHMS OC RESISTANCE.		
BOLD CSD TYPE CXC-1898,CBM TYPE 745-169A		
6/11/45 1X8X112 CBM:C-55	5/12/45 CSQ:PM-5 CS:238800	
JUN. 45 COIL: 85A 8 *SEE ABOVE	JUN. 45 CG:MCM-2405 REV. 0	
CDE - 29651 YR	CSD- 29657 WBA	csD- 29661 NH-14
CONTROL RELAY UNIT CONTAINS ONE POLARIZED RELAY AND TWO	RELAY, MIDGET	RELAY SP DOUBLE BREAK, NORMALLY OPEN. SILVER
OPDI RELAYS. THIS UNIT WITH NAVY TYPE	DPOT SINGLE BREAK. CONTACTS RATED 6 AMPS 1154 ac. 1 AMP. 1154 DC. 3 AMPS. 2304	CONTACTS RATED 30 AMPS. 115V AC. 6 AMPS.
-23506 REMOTE CONTROL UNIT PROVIDES FOR REMOTE CONTROL OF THE MODEL YR EQUIP-	AC. COIL RATED 100V DC OR 110V DC OPE-	115V DC. 30 AMPS. 230V AC. 3 AMPS. 230V
MENT.	RATING: 7500 TURNS #40 WIRE: 1400 OHMS DC RESISTANCE. OPERATES IN SERIES WITH A	OC. FRONT CONTACTS. COIL RATED 220V, 60 CYCLES; 7000 TURNS #35 WIRE; 600 DHMS DO
5/12/45	OCBM TYPE 746-92. OLD CSD TYPE CXD-1898	RES.; ARM. CLOSED 0.056 AMPS., OPEN
JUN. 45	5/14/45 1XBX104 CBM:746-92 JUN. 45 COIL: "75A" Θ	5/14/45 CX-3161 CBM:C-74 JUN. 45 COLL: MARK "H" CBM TYPE 746-111
CAU- 29652 NJ.3.4.7.9	cso- 29657	cso- 29661
RELAY 1 SPDT AND 1 SPST NORMALLY CLOSED. CON-	2000 OHM "AB" RESISTOR.	0.098 AMPS. ALSO HAS 8 AMP BLOWOUT COIL.
TACTS WELL BREAK OR MAKE AND CARRY 110		
WATTS BUT NOT NORE THAN 3 AMPS. COIL RATED 115V, 60 CYCLES, 120 OHMS OC RE-		
SISTANCE. OPERATION TIME 0.002 TO 0.025		
SEC. RELEASE TIME 0.005 TO 0.040 SEC. A 5/12/45 R3070A1 CBM:C-15		
5/12/45 R3070A1 CBM:C-15 JUN- 45 TYPE 746-157		
		National Control of the Control of t
cau- 29652	CSD- 29658 QCR	CSD- 29662 QCH-2
QUICK ACTING GRIO PURPOSE AC RELAY.	RELAY	RELAY
	3PST - 2 POLES SINGLE BREAK, ONE POLE	SPST. SINGLE BREAK, NORMALLY OPEN. CON-
	DOUBLE BREAK - CONTACTS RATED 115Y AC. 15 AMPS. FRONT CONTACTS. COIL RATED 110V	TACT RATINGS: 30 AMPS 110V AC, 4 AMPS. 110V DC, 25 AMPS. 220V AC, 2 AMPS. 220V
	60 CYCLES, 5000 TURNS #38 WIRE, 605 OHMS	DC. WITH TWO BLOW-OUT CONTACTS RATED 75
	DC RESISTANCE, 2037 OHMS IMPEDANCE AT 60 GCSD:P-4215, OLD CCO TYPE CXB-3251	VOLTS. 7.5 AMPS. COIL RATEO 115V DC. SAME AS -29031 EXCEPT LATTER IS GEARED
and the second s	5/14/45   BAX101 CBM:746-123	5/14/45 CS-0904A C8M:746-70
dangitza dauzzi	JUN. 45 COIL: "50A" 8 ASSIGNED	JUN. 45 CSM TYPE 746-98
MANUFACTURED MANUFACTURED		

abantaninga \*\*1384taning\*\*

DATE WARRIGHTHER'S PROTRING THREE

NAVY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
CSD- 29662 FOR AC OPERATION AND THIS FOR DC OPERA-TION.	CGX-29668 TDH RELAY. CONTROL DPST HORMALLY OPEN. CONTACTS 3/16" DIA. FINE SILVER. RATED 100 VOLTS. 5 AMPS. (BMLAK OR MAKE): 100 VOLTS. 7.5 AMPS. (CONT.). COLO OPERATING CURRENT 0.3 AMP. DC OR LESS FOR POSITIVE OPERATION, 0.5 AMPS FOR CONTINUOUS OPERATION WITHOUT 5/17/45 27 CAT.#12810 COL:405 2213 00 JUN. 45 REV. 6/11/43	CAU- 29673  MA 2.0V. RELEASE; 9000 TURNS #35EC WIRE. 600 OHMS DC RES. OPERATING TIME 777507 40720/13 MA 0.0126/0.0173/0.0254/0.0564/ 0.1450 SECS.
csp- 29663 QcR	cgx- 29668	CAU- 29674 TOH SERIES
RELAY, POWER  3PST, SINGLE BREAK, NORMALLY OPEN. CON- 1ACTS RATED 30 AMPS. 115V AC. 4 AMPS. 115V DC. 30 AMPS. 230V AC. 0.75 AMPS. 230V DC. COIL RATED 120V DC. 14700 TURNS #36 WIRE, 1900 OHMS DC RESISTANCE, BC3M TYPE 746-62A, OLD CSD TYPE ATBD8 5/15/45 8CXX JUN. 45 COIL: "150" 8	OVERHEATING DC RESISTANCE 7.5 OHMS APPROX.	RELAY SPOT (BREAK-MAKE). SINGLE WOUND QUICK ACTING SINGLE ARM. CONTACTS RATED 3 AMPS. 110 MATTS. COIL RATED 120.0 MA AT 48.0V NOVIMAL. 120 MA AT 6.5V MIN 12.0 MA AT 5.0V. RELEASE. OPERATING TIME AT GCOIL:H-70226-ASM 12 5/21/45 ADA:H-70226 COL:972 1001 00 JUN. 45 ASM1 0 REV. 9/14/43
CSD- 29664 QCR-1 RELAY, POWER 3PST, SINGLE BREAK, NORMALLY OPEN, CON- TACTS RATED 30 AMPS, 110V AC, 25 AMPS, 220V AC, 4 AMPS, 110V AC, 2 AMPS, 220V DC. COIL RATED 75V DC, 10500 TURNS #35 0CBM:746-62 FOR DIM, TYPE 746-628, OLD CSD AT 8D875 5/15/45 8CXX CBM:C-63 JUN, 45 COIL: *105*0	CAU- 29669 TDM  RELAY SINGLE WOUND, QUICK-ACTING, DOUBLE ARM, LEFT CONTACT ASSEMBLY DPDT, RIGHT CON- TACT ASSEMBLY DPDT, CONTACTS RATED 3 AMPS. 110 WAITS, COIL RATED 14MA 19 YOLTS MINIMUM: 35 MA 48 VOLTS MONIMAL; 8 MA 11 VOLTS RELEASE. 1350 OMS DC RES. 5/18/45 AOA:M-70226-21 COL:972 7000 OO JUN. 45 COIL:M-70226-14 REY. 9/4/45	CAU- 29674 48/36/28/20/12 VOLTS 0.0106/0.0129/ 0.0167/0.0246/0.0437 SECS. 400 OHMS DC RESISTANCE.
CSO- 29664 WIRE, 1000 OHMS DC RESISTANCE. FRONT CONTACT NORMALLY OPEN.	CHP- 29670 TAB.TBU,TBK,TBM  RELAY, TIME DELAY  N=0. CLOSES 30 SEC. AFTER START. HERMET- ICALLY SEALED. CONTAINS SYNCHRONOUS MOT- OR CLOSING A MICROSMITCH THROUGH A GEAR TRAIN. 5" DIAM, 3 1/2" HIGH. FOR 11  VOLTS 25 CYCLE OPERATION, OTHERWISE SAME AS NAVY TYPE - 29624. 5/19/45 CHP:5111(25H) CAY:7710010-1 JUN. 45 SUB. 3	CAU- 29675 TDH SERIES  RELAY SINGLE MOUND, QUICK ACTING, SINGLE ARM. I SPST NORMALLY CLOSED CONTACT I SPST (MAKE-BEFORE-BREAK) CONTACT, I SPST NOR- MALLY OPEN CONTACT, CONTACTS RATED 3 AMPS. 110 MATTS, COIL RATED 35.5 HA  OCOLL:H-70226 ASM14 5/21/45 AGA:H-77029-1 COL:972 1500 00 JUN. 45 GSEE ABOVE REY. 5/22/43
CAOX - 29665 RDZ RELAY, SWITCHING & LATCHING CONTACTS NAISO 126.5V AC MAX. 1 AMP MAX. SINGLE WOUND COIL RATED FISV AC. 60 MA AT 60 CYCLES WITH 60 OHMS DC RESISTANCE.	CAUH- 29671 SU, SU-1  RELAY, TIME DELAY  SPST NORMALLY OPEN. SWITCH ACTUATED BY A 115V AC INDUCTION TYPE MOTOR WITH A TIME DELAY OF 3 MINUTES. MOTOR HAS 3900 TURNS #37 MIRE. 500 OHMS DC RESISTANCE. CONTACTS RATED 10 ANPS. 125V AC.  9C8M TYPE 746-403 5/21/45 HXS 250 0 CAUH: HXS 250	CAU- 29675 48.0V NOMINAL. 8.5 MA 12.0V MIN. 4.5 MA 6.0V RELEASE. 1500 OHYS DC RES. OPERAT- ING TIME AT 48/32/24/16/12 VOLTS 0.0095/ 0.0078/0.0066/0.0047/0.0050 SECS.
JUN. 45 REV. 0	JUN. 45	
CAYP- 29666 TDH  RELAY, TIME DELAY SP. NORMALLY OPEN. DOUBLE BREAK. CON- TACTS RATED 5 AMPS. 220 VOLTS. 50/60 CY- CLES. COIL RATED 230 VOLTS. 50/60 CY- CLES. TIME DELAY - I SECOND TO IS HINDIE CLOSING DELAY AND INSTANTANEOUS RECY- CLING. NORMAL OPERATING AMBIENT TEMP. 5/17/45 NE-11C COL:402 0001 00 JUN. 45 REV. D8041	CKU- 29672 TDH SERIES  RELAT, SENSITIVE  SPDI CONTACTS OF COIN SILVER RATED 2  AMPS. AT 110 VOLTS NON-INDUCTIVE LOAD.  COIL RATED 24 MA TO 12 MA AT 24 TO 48  VOLTS, 2.5 MA AT 5.0 VOLTS, 0.5 MA AT  1-1 VOLTS, 0PERATING TIME AT 12/24/48  VOLTS 0.03/0.013/0.007 SECS. RELEASE  6/21/45 225C-58A COL:408 7000 00  JUN. 45 REV. 0	COL- 29676 TDH SERIES CONTACTOR MOTOR ASSEMBLY DPST NORMALLY OPEN. CONTACTS RATED 600V. 10 AMPS. 5000 YOUTS INSULATION TO GROUND 48 VOLT IMPREGNATED COIL, 680 OHMS DC RESISTANCE. 2001:40577100:C40441700CC0.,494 1800 00 60011:CAO TIPE 131 5/21/45 COL:571 1524 20 COL:1524 B-2 JUN. 45 OSEE ABOVE REV. D9863 *
CAYP- 29666 24°C. OPERATING TEMP. RANGE -109C TO +609C.	CKU- 29672 TIME AT 12/24/48 VOLTS 0.005/0.006/0.007 SECS.	CBZ- 29677 TDH SERIES CONTACTOR. POWER 3P NORMALLY OPEN CONTACTS RATED 50 AMPS. 1P RIGHT AUXILIARY NORMALLY CLOSED AND 1P LEFT AUXILIARY NORMALLY OPEN. IMPREC- NATED COIL RATED 220 VOLTS 60 CYCLES.
		GSERIES #415959 5/21/45 BUL. 702-50 COL:405 1400 00 JUN. 45 AMP. 0 REV. 0
CBZ- 29667 TOH CONTACTOR. POWER THREE POLES, NORMALLY OPEN. CONTACTS RATED 25 AMPS. ALSO 2 AUXILIARY NORMALLY OPEN INTERLOCK. CONTACTS. COIL RATED 250 VOLTS, 60 CYCLES.	48V NOMINAL 13.0 HA. 8.0V MIN., 3.0 BC01L:H-66645-172	CBZ- 29678 TDH SERIES CONTACTOR, POWER 3P NORMALLY OPEN CONTACTS RATED 50 AMPS. 1 AUXILIARY NORMALLY CLOSED INTERLOCK. 1MPREGNATED COIL RATED 220 VOLTS 60 CY- CLES. OSERIES #385804
5/17/45 BUL. 702-25 COL:405 0010 00 JUN. 45 AMP. S# 379646 REV 8/14/43 ASSN		5/21/45 BUL. 702-50 COL:405 1200 00 JUN. 45 AMP. 0 REV. 11/6/41

STANIT SAIKUAS

MANUFACTURER'S DESIGNATION

MANUFACTURER'S

MANUSACTHREP'S

HAYY TYPE FIRST ASSIGNED FOR MAYY DRAWING NAVY TYPE FIRST ASSIGNED FOR OR SPECIFICATION MAYY TYPE DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING CGE- 29679 TOH SERIES CGE- 29683 TOH SERIES . CAU- 29688 YR RELAY. COSTROL GGE- 2908) IDH SERIES
RELAY CONTROL:
3 POT NORMALLY CLOSED, BREAK BEFORE
MAKE, CONTACTS CAPABLE OF WITHSTANDING
CURRENTS EMCOUNTERED WHEN REVERSING A
MOTOR RATED AT 1/3 HP 230Y 3 PMASE, 60 SPOT CONTACT MATERIAL: FASALOY 47 CAPA-RELAY DPOT SINGLE BREAK, COIL RATED 110 VOLTS 47 TO 58 MA AC, 130 OHMS DC RESISTANCE. BLE OF HANDLING LOADS ENCOUNTERED WHEN REVERSING A MOTOR RATEO AT 1/3 H.P., 230
VOLTS 3 PHASE 60 CYCLES - APPROX. 10
AMPS. COIL RATEO 48V DC NOMINALLY. 7300
TURNS #35E WIRE. 450 OHMS ± 101 DC RES.
5/21/45 G35123 COL:405 2215 00
JUN- 45 COIL: SP-226 REV. D8144 SIMILAR TO -29119 EXCEPT IS DPDT INSTEAD CYCLES APP 10 AMPS. COIL RATED 487 DC NOMINAL, 53V MAX, 43V MIN ALL INTER-5/21/45 G-39506 COL-40500070 COL -405000700 5/21/45 RA-61 CAT JUN. 45 COIL:SP-226 REV D8145 JUN. 45 cGE - 29679 OPERATING DATA (NON-INDUCTIVE LOAD) CGE- 29683 CAY- 29689 78L-10 MITTENT DUTY 150 OHMS ±10% DC RES.
INTERMITTENT DUTY CYCLE -15 SEC 03 285
SEC OFF. OPERATE TIME-MIN 0.012 SEC AT MIN.
MAX COLL VOLTAGE, MAX 0.022 SEC AT MIN. CHROUIT REAKER

3PST. CONTACTS RATED 600 VOLTS AC. FRIP-PING CURRENT 15 AMPS. COMBINATION THER:
HAL:AND MAGNETIC TRIP. 35V DC LOW/48V DC NORMAL/55V DC HIGH. 6/25/45 8#1222032 CAY: CATALOG CGX- 29680 TOH SERIES CGX-29680 TOR SERIES
RELAY, CONTROL:
DPOT CONTROL:
DPOT CONTROL:
DPOT CONTROL:
OPERATION CONTINUOUS DUTY. 675 OHMS DC
RES. OPERATE TIME BETHER 0.010 AND
0.013 SECONDS WHEN THE COLL VOLTAGE IS
48 VOLTS EFFECTIVE 50-60 CYCLES. SINGLE
5/21/45 JD-447R COL-405220900
JUN. 45 CATHIESES REY D10461 COL- 29684 TOH SERIES CSO- 29690 NM-16 RELAY ASSEMBLY:
COMSISTS OF 2P NORMALLY CLOSED RATED
500 VOLTS 10 AMPS AND 1P NORMALLY OPEN,
DOUBLE BREAK RATED 500 VOLTS, 10 AMP.
48 YOLT IMPREGNATED COIL, 680 OMMS DC RFIAY RELAY
3PST MORMALLY OPEN. CONTACTS RATED 30
3PST MORMALLY OPEN. CONTACTS RATED 30
3PST MORMALLY OPEN. CONTACTS RATED 30
3PST MORMALLY OPEN. 220V DC. COIL RATED
1157 AC. 4200 TURNS #32 #1RE, 180 OHMS
DC RES. SAME AS -29029 MINUS BASE. FOR
60LD CSD TYPE CX2366,PART OF TYPE 746-97
5/26/45 8CXX
JUN. 45 COIL: "0" G OCOL-571051440 COIL:CAO TYPE 131 COL -514D -2 5/41/45 BSEE ABOVE JUN. 45 **REV 09909** ccx - 29680 CHN- 29685 TOH SERIES PHASE FULL WAYE RECTIFIED. UNFILTERED. CHROUT BREAKER, TIME DELAY:
TRIPLE POLE, FRONT CONNECTED, THREE
OVERLOAD COILS, RATED SO AMPS 230V ACTIME DELAY, TRIP ACCORDING TO STANDARD csp-29690 PANEL MTG. HEINEMANN ELECTRIC COMPANY CURVE "C". 5/21/45 0342-50 COL -2 60 45 23 30 JUN. 45 CAU- 29631 TOH SERIES RELAY:
SINGLE WOUND, SLOW ACTING, DOUBLE ARM,
LEFT SPRING ASSEMBLY I SPOT (GREAK-MAKE)
CONTACT, RIGHT SPRING ASSEMBLY I SPOT
(BREAK-MAKE) CONTACT, CONTACTS RATED 3
ANDS 110 WATTS, COLE RATED 75 AWDS 48V
BASALH-70800-10 COLE.N-66645-172
4/21/46 Q SFE AROVE COL-972/180000 CW- 29686 PM CSD- 29691 NM-16 RELAY: RELAY, THERMAL TIME DELAY 2 SECTIONS, TOP SECTION CONSISTS OF 2 MAKE SET OF CONTACTS BOTTOM SECTION CONSISTS OF 2 BREAK SET OF CONTACTS. SPOT CONTACTS RATED 0.1 AMP. 440V AC.
CDIL RATED 440V AC. HEATING ELEMENT 350 OHMS. APPROX. CLOSING TIME 45 SEC. COURTISS OF AREAS SET OF CONTROLS, RATED 1 AMP 56V DC MAX. COLL RATED 4.7 MATTS OR 108V DC FOR TEMP RISE TO 125°F MAX OPERATING, TEMP 225°F, COVSISTS OF 5/25/45 D-161984-498 BA-107894-1 JUN. 45° LSC 1 FOR PANEL MTG. OPART OF CBM TYPE 746-97
CBM:C-92 5/21/45 O SEE ABOVE JUN. 45 COL-972130000 REV 9/14/43 5/26/45 TD474A JUN. 45 OSEE ABOVE JUN. 45 ISS I CAU- 29681 cw-29686 NOMINAL, 20 MA AT 12.5V HIN. 3.0 MA AT 2.0V RELEASE 612 OHMS DC RES. OPERATING TIME AT 48/32/24/16/12.5 VOLTS 0.029/. CSD- 29692 WAA 18,800 TURNS OF 395 WIRE, 2500 OHNS DC RELAY RES. OPERATING CURRENT 0.0054 AMP DC RELAT SPST, SPOT NORMALLY OPEN. SILVER CON-TACTS RATED IS AMPS. 115V AC. COIL RATED 115 VOLTS, 60 CYCLES. 4200 TUR'S #32 HIRE, 180 OHMS DC RESISTANCE. 0.140 AMPS ARMATURE OPEN; 0.080 AMPS ARMATURE OPART OF CBM TYPE 746-87 FUNGUS RESISTANT. 0.044/0.064/0.123/0.350 SECS. 5/26/45 CX-2854 JUN. 45 COIL: "D" 8 CRM:SKETCH CSD- 29682 TOH SERIES cw-29687 RELAY OVERLOAD:
ONE CONTACT, DOUBLE BREAK NORMALLY OPEN.
CONTACTS RATED 50 AMPS 1154 AC, 6 AMPS
1154 DC, 20 AMPS 2304 AC 5 AMPS 2304 DC. RELAY:
2 SECTIONS, EACH CONSISTS OF I TRANSFER
AND 2 MAKE SETS OF CONTACTS, PATED I
AMP 56V DC MAX, COIL PRI CONSISTS OF
8700 TURNS "40E WIRE OF 1100 OHMS OC RES
0.027C AMP DC OPERATING AND 0.012 AMPS/ cs0-29692 CLOSED. FOR PANEL MOUNTING. TRIP COIL 400 TO 800 MA DC ADJUSTABLE.
RESET COIL 43V DC. TEST DATA RESET COIL
600 OHXS DC RES. 65 MA CURRENT COIL 21 DC NON-OPERATING. SEC CONSISTS 3700 5, 45/45 D-161984-960 BA-107394-5/21/45 CXA-3283 COL -405340000 BA-107394-2 REV 12/16/41 JUN. 45 ISS 1 cso-29682 CW- 29687 OHMS DC RES 390 MA MIN, 920 MA MAX -(BASICALLY SAME AS CSO TYPE CXC-2405 CSD- 29693 WAB TURNS #38E WIRE OF TIOO OHMS DC RES. RATED 4.7 MATTS OR 72.0 VOLTS FOR TEMP RISE TO 125°F- MAX OPERATING TEMP 225°F. 3PST NORMALLY OPEN FRONT CONTACTS. 1PST NORMALLY CLOSED BACK CONTACTS. CONTACTS CSD'S NEW TYPE 56 HXX). NOWMARLT CLOSED BACK COVIACITY RATEO 5.0 AMPS AT 440V AC, COIL RATED 115V, 60 CYCLES, 4200 TURNS #32 WIRE, 180 OHMS DC RES. 0,140 AMPS. ARMATURE OPEN. 0.080 AMPS ARMATURE CLOSED. 5/26/45 CX-2367 CBM:C-73 JUN. 45 COIL: "D" PART OF 746-5 FUGUS RESISTANT.

MANUFACTURER'S

MANUFACTURER'S MANUFACTURER'S

ISSUED

DATE

KILLUT SATURAN

ASSIGNED

ISSUED

DATE

PART OF 746-53

MANUFACTURER'S MANUFACTURER'S

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	HAYY T DESIGNA	YPE.	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION
au 20604	OBF					cG-29699		ccQ- 297	'06 so-1	
CW- 29694 RELAY, PLUG	•		DC RE	SISTA	NCE 810 OHMS.	TIME DELAY . 10	<b>3</b>	RELAY STA		•
CONSISTS OF	2 SPRING PI	LE-UPS OF 6 CON-						3PDT SILV	VER CONTACTS RAT	
		P CONSISTS OF A							RATED 4.8V DC M	
		.6.10. & 14 WILL ERATES). CONTACT							V DC NORMAL. 14. Resistance. 1100	
RATED 1 AMP	. 48V DC MIN	. 56V DC MAX.						AMBIENT 1	TEMP RANGE -35°C	TO +65°C. CO
5/26/45 D-		0.0155 AMP DC. ESA~654209						*CRP-71-5	5026 REV O CCQ-2	*SEE ABOVE
JUN. 45	103370	155. 1						JUN- 45	••••	
							NATE:			
		cw-29694	cRY-2				11 200			ccq-2970
		.013 AMP DC; 261 AX DC RESISTANCE			E DELAY	T. #18 GA PALL		TACTS RE	MAIN CLOSED AT A	NY VOLTAGE DO
	•		,			PS. 150 WATTS.			•	
						.024 AMPS, 25.6( 1 5000 OHMS RE-	00			
						O MILLISECONDS	100			
			MAX.	' 45 T	YPE G	CAN: 802743				
					AT #A-22963	ALI. 1				
cw- 29695	QBF		csp-			**		ccq- 297	07 so	
RELAY Has 2 Sets (	OF 4 TRANSFE	R CONTACTS, RATE			IE DELAY Rated 6 amps. I	LOV AC. COLL		RELAY:	MALLY OPEN. CONT	ACTS PATER 11
1 1/2 AMPS.	150V OFF GR	OUND, CARRYING	RATED	1157	AC. 8500 TURS	S #41 MIRE OC			12V DC OR AT 24V	
		LSE BASIS, WIND- S. OPERATING CUR				TH RELAY CLOSES IMS DUE TO USE (			COIL RATED 12V DC RES. 2.5 WATI	
RENT 0.032	AMP DC. HAS	26 GOLD PLATED .	2000			IES WITH COIL.		#3.2 MIRE.		3, 2300 TV.
PRONG TYPE 5/26/45 D-		DAPTED FOR INSER BL-105903	****		TYPE TDA-327A, PTAH-5	CBM 746-234 CBM:C-68		8/31/45	B04032	CC0-24362
JUN. 45	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	155. 2			OIL: 85A 0	CSD:7512		JUN. 45	604032	CRP-71-5045
						. 4				
		cw-29695	•			csp · 29701				
ION IN A N	AVY TYPE -49	733 JACK.	TIME	DELAY	( • 1 1/4-1 1/2	MIN.				
								18 (8) (1)		
								S		
csp- 29696	5 WAB		csq-	2970	02 QBF. QJA					
RELAY					REAKER					
		ACTS RATED 5.0 ATED 115 VOLTS.				BUTTON. THERMAL Terminals. Ambi				
		32 WIRE. 180 OHM			77°F. RATED C	URRENT 2 AMPS. F RATED CURRENT				
AMPS ARMATU		TURE OPEN. 0.080				WITH BOY DC A.				
*CSD:P-3638	A. PART OF C	BM TYPE 746-53			110 AND 120 V					
5/26/45 CX Jun. 45 CO		CBM:C-93 *SEE ABOVE	JUN.		PSM-2L	CW:3A-10198-6				
cg- 29697	QCS		cso-2	970	3 WAA					
RELAY					ME OELAY	21547 00071071				
DPDT 2 NOR	NALLY OPEN C	ONTACTS AND 2 IS RATED 10 AMPS				RIGHT. CONTACTS MEATER RATED 11:				
220V AC. CO	OIL RATED 115	VOLTS 60 CYCLES	S; VOLTS	60	CYCLES. 320 0	IMS OC RES. #37				a ivi
	0.005 NIRE.	DC RESISTANCE 39				OHM RESISTOR (: TIME DELAY -				
Ongs.			KINUT	ES.						
	R2790-E105A2	CG:K-8273011			TD8-474 CBM TYPE 746-44	CBM:C-90	1			
JUN- 45			•••••			-			100	
cg- 29698	QCS		CSD-	2970	04 WDA	55RE23J1448				
RELAY			RELAY							
		2 NORMALLY CLOSS AT 110 OR 120V			ACTS RATED 6 AT DC. COIL RATE					
AC. COIL R	ATED 110V 60	CYCLES. 0.048	00.00		000 TURNS #38 1					
AMPS. 6470 DC RESISTA		" WIRE. 810 OHMS	UC RE	.31516	ANCE.					
		AC. V 445	5/10	/45	CXF-1396					
5/28/45 C		CG:K-4954936 REV. 5			C8M - 746 - 126					
		<del>.</del> •						,		
cg- 29699	gcs		cco-	297	05 WFA					
RELAY. TIM	E DELAY		RELAT	Υ:			_			
DPDT . 2 CO	NTACTS NORMAL	LLY OPEN, 2 NOR.				ATED RATED 5 AM 99.2V DC, 0.035				
110 OR 120	V AC. COIL R	RATED 10 AMPS. ATED 110V 60 CY-	MA,	3.5 W	ATTS, 14340 TU	RNS #39 WIRE				
CLES 0.048	AMPS, 6470	TURNS 0.004" NIK	E. 2810	OHKS	DC RESISTANCE	•				
*CG:K-8620	793 REV. 2.	(FOR DIMENSIONS	OC8M	-746-						
		CG:DL-498416Q			BN-18039	CCQ-2300		ı		
0xLY) 5/28/45 C		Man*								
		*SEE ABOVE	ASSIGNED JUN .	45	CD1L#39 0		ASSIGNED ISSUED	l		