

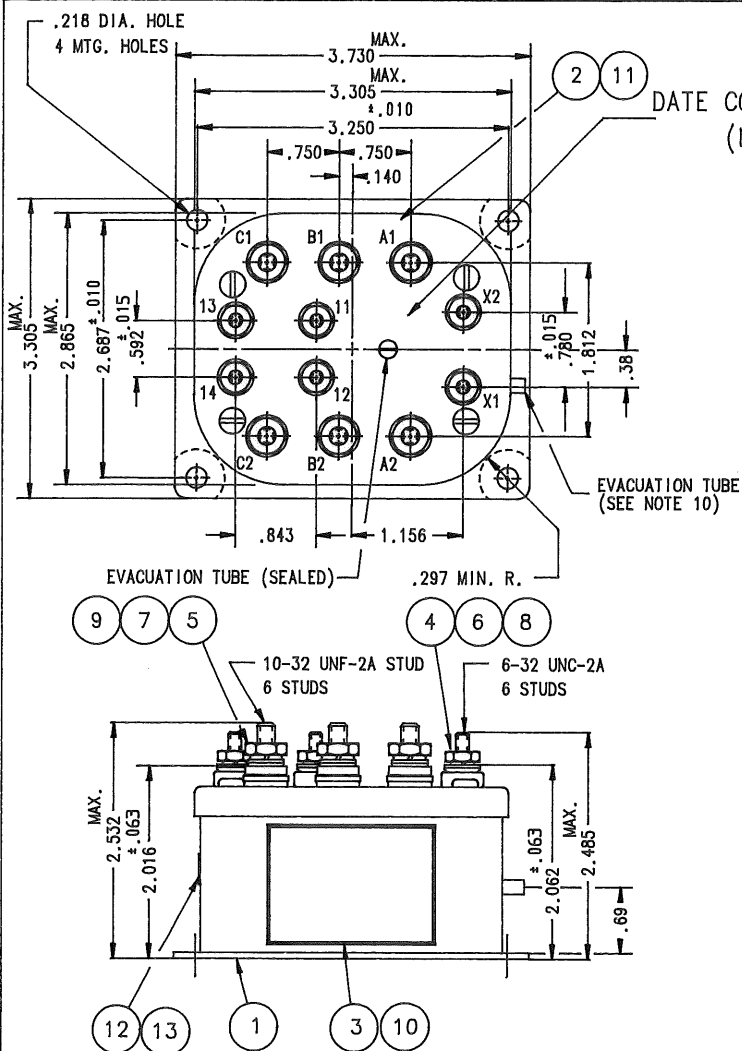
BH-315

REV.

U

FAA/PMA

REVISIONS			RELEASED	
REV.	DESCRIPTION	DATE	APPROVED	
R 24825	ADD ITEMS 10 & 11; ITEM 8 WAS *51806-113* ITEM 9 WAS *51810-103*	93/10/7		
T 25030	UPDATE NOTE 3(PG.2) DELETE *CADMIUM* PROCESS.	93/11/6		
U 26023	ADDED ITEMS 12 & 13	94/5/4	RS	



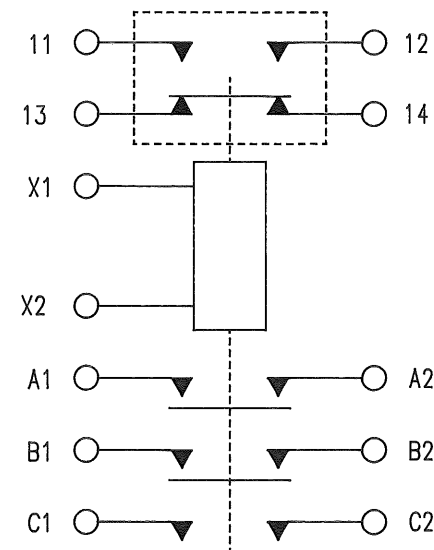
DATE CODE STAMPING AREA
(LOCATION OPTIONAL)

COIL DATA

RATING
NOMINAL VOLTAGE
PICKUP VOLTAGE
DROPOUT VOLTAGE
CURRENT AT 29 VDC
OPERATE TIME AT 25°C & 28 VDC
CLOSE TIME
RELEASE TIME
BOUNCE MAIN
BOUNCE AUX.
AMBIENT TEMPERATURE
LIFE ELECTRICAL
LIFE MECHANICAL
WEIGHT

CONTINUOUS DUTY

28 VDC
18 VDC MAX.
1.5 - 7 VDC
0.6 AMPS MAX.
0.025 SECONDS MAX.
0.010 SECONDS MAX.
2 MS MAX.
4 MS MAX.
-55°C TO +125°C
100,000 CYCLES
200,000 CYCLES
1.20 LBS. MAX.



CONSTRUCTION
CONTACT CONFIGURATION

HERMETIC SEALED, REPAIRABLE
MAINS 3 P S T N.O.
AUX. 1 N.O. , 1 N.C.

CONTACT RATING

	115 VAC 400 HZ	28 VDC	BOTH
VOLTAGE			
CURRENT AT 125° C			
RESISTIVE	25 AMP	25 AMP	5 AMP
MOTOR	25 AMP	25 AMP	5 AMP
INDUCTIVE	25 AMP	25 AMP	5 AMP
LAMP	12.5 AMP	12.5 AMP	1 AMP

13	1	39529-024	OVERLAY			
12	1	58400-126	PLATE - FAA/PMA			
11	1	39529-007	OVERLAY			
10	1	39529-001	OVERLAY			
9	6	51810-054	WASHER LOCK NO. 10 SPLIT	AN 935 B10	BRONZE	
8	6	51806-014	WASHER LOCK NO. 6 SPLIT	AN 935 B6	BRONZE	
7	12	51702-844	WASHER FLAT 3/8 X 13/64 X .032		BRASS	
6	12	51702-204	WASHER FLAT 3/8 X 9/64 X .032		BRASS	
5	6	50410-084	NUT 10-32 X 3/8 X 1/8 HEX		BRASS	
4	6	50406-064	NUT 6-32 X 5/16 X 7/64 HEX		BRASS	
3	1	42593-001	PLATE-NAME			
2	1	42405-001	PLATE-WIRING DIAGRAM			
1	1	42300-010	CONTACTOR ASSEMBLY-PRI.			

FIND NO	QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	FSCM NO	DRAWING OR SPECIFICATION	MATERIAL OR NOTE
REF.			HARTMAN ELECTRICAL MANUFACTURING MANSFIELD, OHIO			
BOEING 10-61445-13			RELAY-25AMP, 115VAC 400 HZ, OR 28VDC			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON			DR BY CSE 94/5/13	SIZE C	CODE IDENT 74063	DWG NO. BH-315
2 PL DEC. 3 PL DEC. ANGLES			CHK BY JES 94/5/19	993		
* .06			ENGR DM 94/5/26	SCALE NONE		
.010			MFG LF 94/5/23	SHEET 1 OF 2		
* 1°			RELEASE CONTR NO. GOVT APPVL			

BH-315

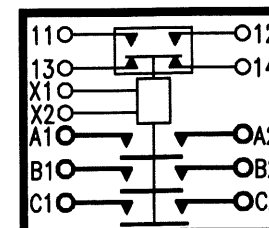
REV. V

REVISIONS		RELEASED	
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET 1 OF 2		

RELAY, 25 AMP, 3PST NO
TYPE 1, REPAIRABLE
BOEING P/N 10-61445-13
CONTACTS 28VDC OR 115VAC, 400HZ
COIL 28VDC
PART NO BH-315
SERIAL NO [REDACTED]
HARTMAN ELECTRICAL MFG
MANSFIELD OHIO FSCM 74063

42593-001

NAME PLATE



42405-001

WIRING DIAGRAM

NOTES:

1. DIELECTRIC

MAIN CONTACTS TO ALL MUTUALLY INSULATED POINTS 1500 V RMS

AUX. CONTACTS TO ALL MUTUALLY INSULATED POINTS 1250 V RMS

COIL TO ALL MUTUALLY INSULATED POINTS 1000 V RMS

MAXIMUM LEAKAGE CURRENT FOR ALL DIELECTRIC TEST POINTS IS 1 MA.

2. MTG. HOLES ARE SPOT FACED TOP & BOTTOM

3. ITEMS 4 THRU 9 ARE SILVER PLATED

4. RELAY FINISH IS FLAT BLACK

5. ENCLOSURE IS ALUMINUM (TOP, BOTTOM, AND SIDES)

6. 10-32 TERMINALS ARE STAINLESS STEEL WITH COPPER CORE

7. MANUFACTURING DATE CODE TO BE YEAR, WEEK (YY,XX)

8. 6-32 TERMINALS ARE SILVER PLATED BERYLCO ALLOY 10HT OR 14HT

MOUNTED IN CERAMIC INSULATORS

9. REVISION "L" ENCOMPASSES USE OF CERAMIC AS SUBSTITUTE

FOR GLASS SEAL ON 6-32 AUXILIARY & COIL TERMINALS

EFFECTIVE DATE 08-03-92 SERIAL NO. CK92785

10. RELAYS WITH AN "A" SUFFIX AFTER THE SERIAL NUMBER HAVE AN ADDITIONAL EVACUATION TUBE LOCATED AS SHOWN. THIS EVACUATION TUBE MUST NOT EXTEND PAST THE RELAY MOUNTING PLATE OR HAVE SHARP EDGES.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON			REF. BOEING 10-61445-13		HARTMAN ELECTRICAL MANUFACTURING MANSFIELD, OHIO	
2 PL DEC. 13 PL DEC. ANGLES			DR BY	CSE	94/5/13	RELAY-25AMP, 115 VAC 400 HZ, OR 28VDC
			CHK BY	RS	94/5/13	
			ENGR	DM	94/5/13	
			MFG	E	94/5/13	
			RELEASE			093
			CONTR NO.			
			GOVT APPVL			
			SIZE	CODE IDENT	DWG NO.	
			C	74063	BH-315	
			SCALE	NONE		SHEET 2 OF 2