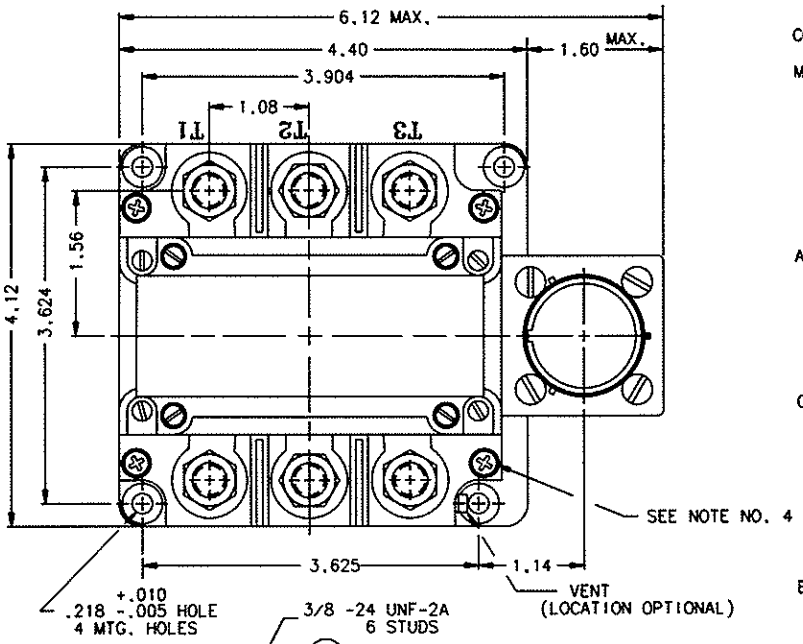
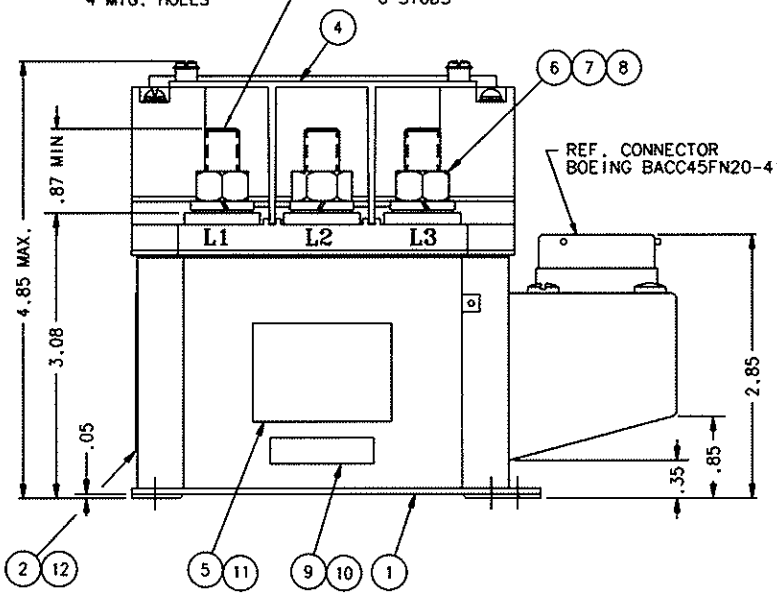
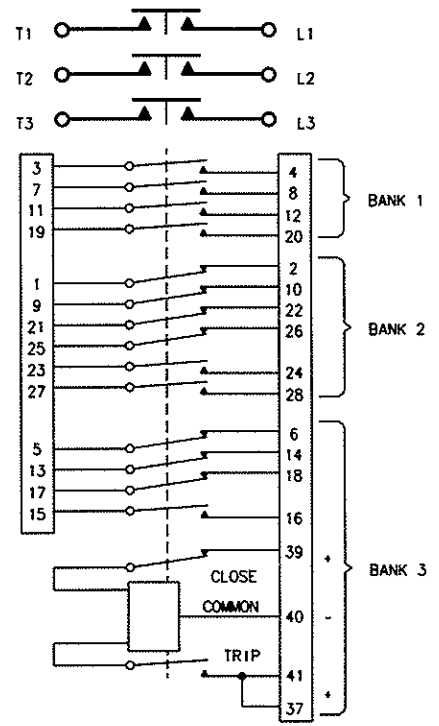
FAA-PMA

REVISIONS			RELEASED	86/05/01
REV.	DESCRIPTION		DATE	APPROVED
G	33597	FIND NOS 10,11,& 12 ADDED	97/08/27	RS
H	35453	NOTE 5 ADDED	98/05/04	RS
J	39517	"BOEING" ADDED TO VIB SPEC,SHOCK,& CONNECTOR P/N,.87 MIN ADDED	99/05/11	RS





CONSTRUCTION	GASKET SEALED (VENTED)
MAIN CONTACT	
CONFIGURATION	3PST (DOUBLE BREAK) MAGNETIC LATCHING
VOLTAGE	115/200 VOLTS FREQ. 400HZ
CURRENT RES.	275 AMP 115/200 VAC CONTINUOUS
RES.	350 AMP " " " 5 MIN.
RES.	450 AMP " " " 5 SEC.
SUB TRANSIENT	1600 AMP
SHORT CIRCUIT	1000 AMP
INTERRUPT	2000 AMP
AUXILIARY CONTACTS	
CONFIGURATION	7 SPST N.O. , 7 SPST N. C.
VOLTAGE	
CURRENT	1,2,3,4 9,10,11,12 17,18,19,20 25,26
	5,6,7,8 13,14,15,16 21,22,23,24 27,28
AMPS	.01 7.5 7.5 1
VOLTS	28VDC 28VDC 28VDC 240VAC
COIL DATA	
DUTY CYCLE	CONTINUOUS (SELF - DEENERGIZING)
OPERATING VOLTAGE	
CLOSE MIN.	15 VOLTS AT 85°C
MAX.	28 VOLTS
TRIP MIN.	15 VOLTS
MAX.	28 VOLTS
CURRENT CLOSING	6 AMPS MAX
TRIP	6 AMPS MAX
ENVIRONMENTAL DATA	
OPERATING TEMPERATURE	-55°C MIN. +85°C MAX.
VIBRATION	PER BOEING D6-44599-Z2,CAT.A
ACCELERATION	MIL-STD-810C METHOD 513.2
SHOCK	PER BOEING D6-44599 PARA. 2.3
ALTITUDE	45,000 FT.
OPERATE TIME	
CLOSE	20 MSEC MAX. AT 15VDC
TRIP	20 MSEC MAX. AT 15VDC
LIFE ELECTRICAL	50,000 CYCLES MIN.
LIFE MECHANICAL	100,000 CYCLES MIN.
WEIGHT(MAX.)	4 LBS.



FIND NO	QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	FSCM NO	DRAWING OR SPECIFICATION	MATERIAL OR NOTE
12	1	39529-008	OVERLAY, WIRING DIAGRAM			
11	1	39529-002	OVERLAY, NAME PLATE			
10	1	39529-024	OVERLAY, FAA LABEL			
9	1	58400-030	PLATE - FAA/PMA			
8	6	51807-230	WASHER LOCK .375 X .687 X .094 SPLIT		MS35338-141	S. STEEL
7	6	51704-010	WASHER .390 X .625 X .032 FLAT		AN960C616L	S. STEEL
6	6	50407-370	NUT 3/8-24 X .562 X .328 HEX.		MS51972-3	S. STEEL
5	1	40167-001	PLATE - NAME			
4	2	36006-010	COVER - TERMINAL ASSEMBLY			
3						
2	1	35936-001	PLATE - WIRING DIAGRAM			
1	1	35894-020	CONTACTOR ASSEMBLY - PRIMARY			

NOTES:
1. THIS UNIT MEETS THE MATERIAL AND WORKMANSHIP REQUIREMENTS OF MIL-R-6106.
2. MOUNTING SURFACE SHALL PROVIDE ELECTRICAL GROUND.
3. TERMINAL COVER ITEM NO. 4 REMOVED FROM TOP VIEW.
4. EFFECTIVE WITH S/N CD30086 FOUR COVER SCREWS WILL BE COUNTERSUNK BELOW THE BASE LEVEL.
5. FAA/PMA PLATE (AND OVERLAY) NOT REQUIRED ON UNITS SUPPLIED TO ORIGINAL EQUIPMENT MANUFACTURERS.

REF.
CMM
BOEING
S281T004-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON

2 PL DEC.	3 PL DEC.	ANGLES
± .06	.010	± 1°

DR BY	RLS	99/05/27
CHK BY	RS	99/05/27
ENGR	WB	99-05-27
MFG		99-05-28
RELEASE		
CONTR NO.		
GOVT APPVL		

HARTMAN ELECTRICAL MANUFACTURING
MANSFIELD, OHIO

CONTACTOR - 3PST MAGN. LATCH
275 AMP 115/200V. 400 HZ.
093

SIZE	CODE IDENT	DWG NO.
C	74063	B-430-1

SCALE NONE SHEET