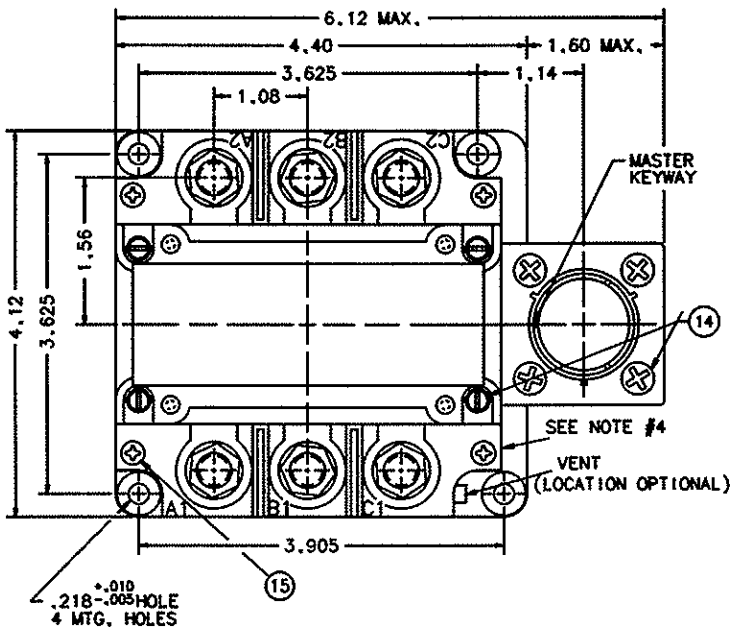
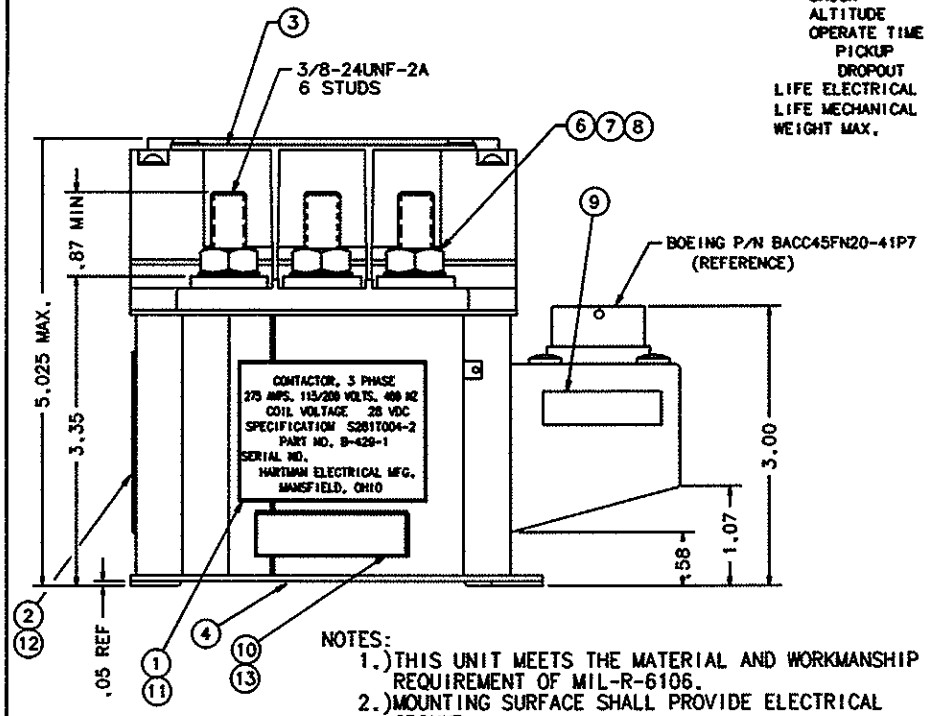
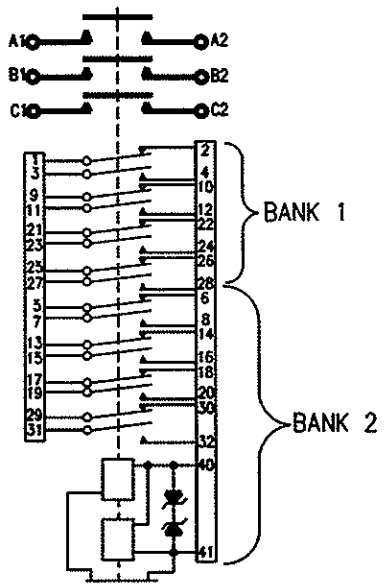
B-429-1 REV. K





CONSTRUCTION	GASKET SEALED (VENTED)
MAIN CONTACTS	
CONFIGURATION	3PST N.O. (DOUBLE BREAK)
VOLTAGE	115/200 VOLTS FREQ. 400 HZ.
CURRENT RES.	275 AMP 115/200 VAC CONTINUOUS
RES.	350 AMP 115/200 VAC FOR 5 MINS.
RES.	450 AMP 115/200 VAC FOR 5 SECONDS.
SUB TRANSIENT	4000 AMP
SHORT CIRCUIT INTERRUPT	2800 AMP
	5500 AMP
AUXILIARY CONTACTS	
CONFIGURATION	8 SPST N.O., 8 SPST N.C.
VOLTAGE	
CURRENT	1,2,3,4 5,6,7,8 — 9,10,11,12 13,14,15,16 — 17,18,19,20 21,22,23,24 — 25,26,27,28 29,30,31,32
AMPS	.01 — 7.5 — 7.5 — 1
VOLTS	28 VDC — 28 VDC — 28 VDC — 240 VAC
COIL DATA	
DUTY CYCLE	CONTINUOUS (ECONOMIZING)
OPERATING VOLTAGE	
PICKUP	15 TO 37.5 VDC
PICKUP MAX.	15 VOLTS
NOMINAL	28 VOLTS
DROPOUT	1.5 TO 10 VDC
CURRENT PICKUP	6 AMPS MAX.
HOLD	.6 AMPS MAX.
ENVIRONMENTAL DATA	
OPERATING TEMP.	-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	
PICKUP	20 MSEC MAX. AT 20VDC
DROPOUT	20 MSEC MAX. AT 20VDC
LIFE ELECTRICAL	50,000 CYCLES MIN.
LIFE MECHANICAL	100,000 CYCLES MIN.
WEIGHT MAX.	4.0 LBS.

FAA-PMA



REVISIONS			RELEASED	
REV.		DESCRIPTION	DATE	APPROVED
F	25900	FIND NO 11 P/N WAS 39529-001	94/04/05	RS
G	27476	WEIGHT MAX WAS 40 LBS	95/03/25	RS
H	35451	NOTE 5 ADDED	98/05/04	RS
J	39516	"BOEING" ADDED TO VIB SPEC, SHOCK & CONNECTOR P/N,.87 MIN ADDED	99/05/11	RS
K	0227-03	.05 REF WAS .05	03/02/26	CC

FIND NO	QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	FSCM NO	DRAWING OR SPECIFICATION	MATERIAL OR NOTE
15	AR	54100-001	SILASTIC			
14	AR	54102-001	GLYPTOL			
13	1	39529-024	OVERLAY FAA/PMA			
12	1	39529-008	OVERLAY-WIRING DIAGRAM			
11	1	39529-009	OVERLAY-NAMEPLATE			
10	1	58400-028	PLATE - FAA/PMA			
9	1	25695-001	PLATE - WARNING			
8	6	51807-230	WASHER-LOCK .375 X .687 X .094 SPLIT		MS35338-141	ST. STEEL
7	6	51704-010	WASHER .390 X .625 X .032 FLAT		AN960C616L	ST.STEEL
6	6	50407-370	NUT 3/8-24 X .562 X .328 HEX.		MS51972-3	ST. STEEL
5						
4	1	35924-020	CONTACTOR ASSEMBLY PRI.			
3	2	36006-010	COVER-TERMINAL ASSEMBLY			
2	1	35935-001	PLATE -WIRING DIAGRAM			
1	1	40190-001	PLATE-NAME			

NOTES:
1. THIS UNIT MEETS THE MATERIAL AND WORKMANSHIP REQUIREMENT OF MIL-R-6106.
2. MOUNTING SURFACE SHALL PROVIDE ELECTRICAL GROUND.
3. TERMINAL COVER ITEM #3 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 MANUTACTURERS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON

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

MATERIAL

CMM
REF. BOEING S281T004-2

DR BY	CSC	03/03/05
CHK BY	CC	03/03/06
ENGR	[illegible]	03/03/06
MFG	[illegible]	03/03/07

SIZE C | CODE IDENT 74063 | SCALE NONE | SHEET

tyco Electronics
Hartman Division, 175 N. DIAMOND STREET MANSFIELD, OH 10 44902

CONTACTOR - 3PST N.O.
275 AMP 115/200V. 400 HZ
093

DWG NO. B-429-1

REF TYCO P/N 0-1616005-1