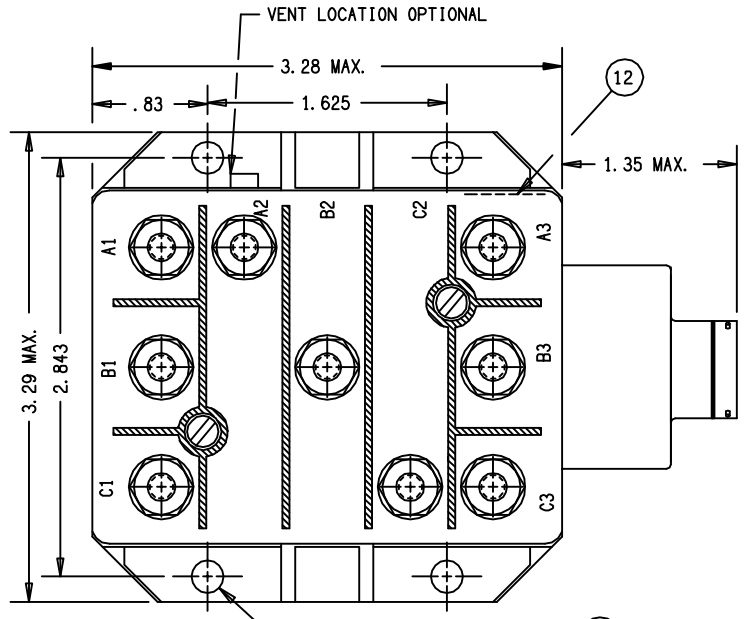
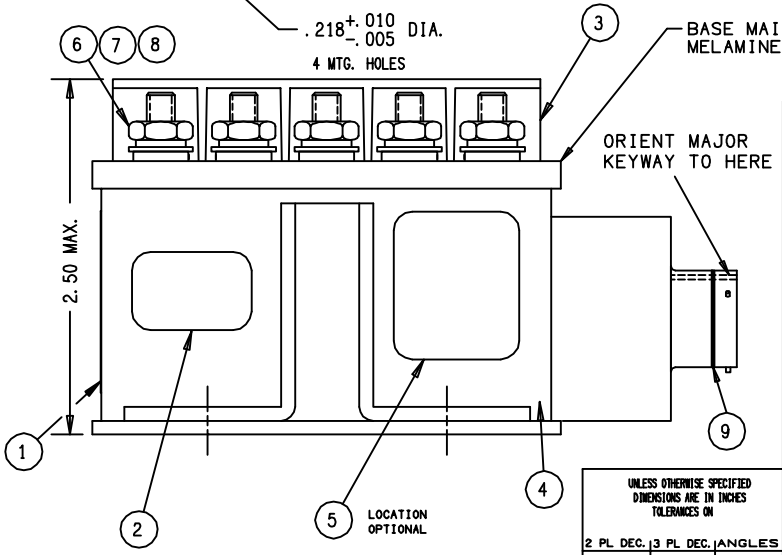
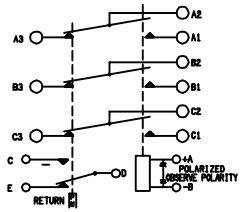
D-7GSZ REV. C

REVISIONS			RELEASED	
REV.	DESCRIPTION		DATE	APPROVED
A	–	INITIAL RELEASE	06/04/10	CB
B	07-000370	UPDATED BASE MAIN NOTE, ADDED ITEM 4 P/N, REMOVED ITEM 14 & ITEM 3 WAS -010	06/05/22	CB
C	07-030310	REMOVED ITEM 10, 11, & 13; ADDED KEYWAY	07/05/29	AH





CONSTRUCTION	GASKET SEALED, VENTED
MAIN CONTACTS	
CONFIGURATION	3 PDT SIDE-STABLE
VOLTAGE-NOMINAL	115/200 VAC 400 HZ
CURRENT-RES.	50 AMP
AUX. CONTACTS	
CONFIGUATION	SPDT
VOLTAGE	28 VDC OR 115 VAC 400 HZ
CURRENT-RES.	5 AMP
COIL DATA	
DUTY CYCLE	CONTINUOUS
NOM. COIL VOLTAGE	28 VDC
PICKUP MAX.	15 VDC AT 25°C
DROPOUT VOLTAGE	2.5 - 6.5 VDC AT 25°C
COIL CURRENT (HOLD)	.28 AMP MAX. AT 28 VDC AT 25°C
OPERATE TIME @ 28 VDC 25°C	TYPICAL 20 MS MAX. 25 MS
RELEASE TIME @ 28 VDC 25°C	TYPICAL 10 MS MAX. 15 MS
ENVIRONMENTAL DATA	
AMBIENT TEMP.	- 55C° TO + 71°C
ALTITUDE	50,000 FT. MAX.
SHOCK	25 G'S MAX. 6 TO 9 MILLISECONDS
VIBRATION	10 G'S SINE
ACCELERATION	10 G'S
LIFE ELECTRICAL	50,000 CYCLES MIN.
LIFE MECHANICAL	100,000 CYCLES MIN.
WEIGHT MAX.	1.5 LBS.



NOTE:
1. COIL TRANSIENT VOLTAGE LIMITED TO ±45 VOLTS
2. SUITABLE FOR USE ON 50 AMP LOAD TRANSFER APPLICATIONS
3. THIS UNIT MEETS THE MATERIAL AND WORKMANSHIP REQUIREMENTS OF MIL-R-6106

FIND NO	QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	FSCM NO	DRAWING OR SPECIFICATION	MATERIAL OR NOTE
12	1	58400-181	PLATE - FAA/PMA			
11						
10						
9	1	REF.	CONNECTOR - MS3470L-106P			
8	9	51810-054	WASHER - LOCK, NO. 10, SPLIT			BRONZE
7	9	51712-194	WASHER - 7/16 X 13/64 X .032 FL.			BRONZE
6	9	50410-084	NUT 10-32 X 3/8 X 1/8 HEX			BRASS
5	1	42777-001	PLATE - WIRING DIAGRAM			
4	1	42384-040	CONTACTOR ASSEMBLY - PRIMARY			
3	1	44255-020	TERMINAL SHIELD ASSY			
2	1	25695-001	PLATE - WARNING			
1	1	16043-059	PLATE - NAME			

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON

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

DASH NO.	NEXT ASSY	USED ON
APPLICATION		

DR BY	RCB	06/04/10
CHK BY	CB	06/05/22
ENGR	DM	06/05/22
MFG	DA	06/05/22
SIZE C	CODE IDENT 74063	
SCALE NONE	SHEET	

Tyco Electronics
Hartman Division • 175 N. DIAMOND STREET MANSFIELD, OHIO 44902

CONTACTOR - 3PDT, SIDE-STABLE
50 AMP, 400 HZ, 28 VDC COIL
093

DWG NO. D-7GSZ

REF TE P/N 1-1616957-4