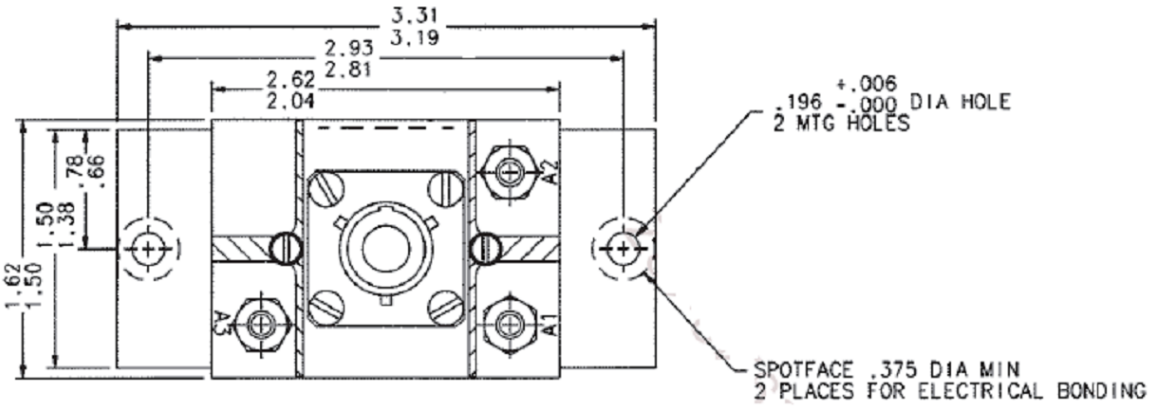
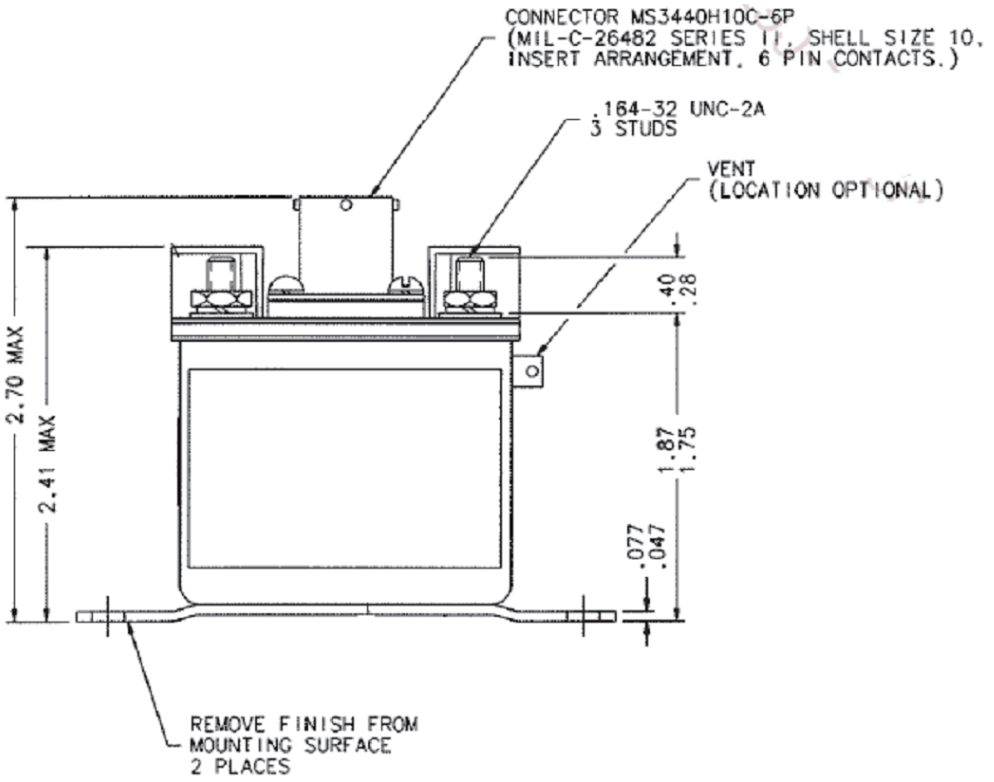
REVISIONS				
REV.	ECO	DESCRIPTION	DATE	APPROVED
E	43228	NOTES 4.1 & 4.2–OPERATE TIME WAS .040 SECOND MAX, RELEASE TIME WAS .030 SECOND MAX	28SEP2000	CC

NN–233D
CONTACTOR–SPDT, 25 AMP, AC,
WITH AUXILIARY CONTACTS .1 AMP (SPDT)





ALL DIMENSIONS ARE IN INCHES

TE CONNECTIVITY
175 N, DIAMOND STREET MANSFIELD,
OHIO 44902

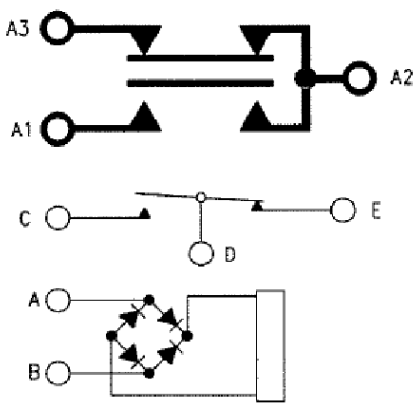
TITLE			
CONTACTOR, SPDT,25 AMP AC 50 AMP DC, .1 AMP SPDT AUX			
TE P.N. 1616095–3	DWG NO. NN–233D		
DS DATA SHEET	CAGE CODE 74063	SCALE NONE	SHEET 1 OF 2 / REV E

GENERAL SPECIFICATION

1.0	COIL DATA		
1.1	NOMINAL OPERATING VOLTAGE		115 VAC
1.2	MAXIMUM OPERATING VOLTAGE		120 VAC
1.3	PICK-UP VOLTAGE		90 VAC MAX. (OVER TEMP.RANGE) * 90 VAC MAX. AT 25°C 92 VAC MAX. DURING HIGH TEMP. TEST. 95 VAC MAX. MAX. CONT.CURRENT TEST.
1.4	DROPOUT VOLTAGE		5-45 VAC (OVER TEMP. RANGE) * 5-45 VAC AT 25°C
1.6	COIL CURRENT AT 25°C & 120 VAC,		* .06 AMP MAX.
1.7	DUTY CYCLE		CONTINUOUS
		(MAIN SPDT)	AUXILIARY (SPDT)
2.0	CONTACT DATA	115 VAC 60/400 HZ	28VDC
2.1	RESISTIVE	50 AMP	.1 AMP
2.2	INDUCTIVE	50 AMP	.1 AMP
2.3	MOTOR		
2.4	LAMP		
2.5	CONTACT DROP MAX.	*150 MV INITIAL 175 MV AFTER START OF LIFE TESTS.	
2.6	OVERLOAD	400 AMP AC N.O. CONTACTS	
2.7	RUPTURE	500 AMP AC N.O. CONTACTS	
2.8	MINIMUM OPERATING CYCLES	50,000 100,000 AT 25% RATED RESISTIVE LOAD 10,000 LOAD TRANSFER	
2.9	AUX. MIN. OPERATING LEVEL 3 MILLIAMPS AT 6 VDC 2 OHM MAX. CONTACT RESISTANCE		
3.0	ENVIRONMENTAL DATA		
3.1	TEMPERATURE RANGE		-55°C TO +71°C
3.2	ALTITUDE MAXIMUM		50,000 FT.
3.3	DIELECTRIC STRENGTH		
3.3.1	AT SEA LEVEL (2-5 SEC.)		
	COIL TO CASE AND AUXILIARY CONTACTS		*1250 VRMS
	ALL OTHER POINTS AFTER LIFE TEST ALL POINTS		*1250 VRMS 1000 VRMS
3.3.2	AT ALTITUDE 50,000 FEET (60 SEC) ALL POINTS		500 VRMS
3.4	INSULATION RESISTANCE		*100 MEGOHMS MINIMUM AT 500 VDC, INITIAL. 50 MEG OHMS MINIMUM AT 500 VDC, AFTER ENVIRONMENTAL TESTS.
3.5	VIBRATION (SINUSOIDAL)		10 G'S (70-500 HZ) 5 G'S (500-2000 HZ) NO CONTACT OPENING IN EXCESS OF TWO (2) MILLISECONDS.
3.6	SHOCK (REF. MIL-STD-202 METHOD 213)		25 G'S FOR SIX (6) MILLISECOND'S. NO CONTACT OPENING IN EXCESS OF TWO (2) MILLISECONDS.
3.7	ACCELERATION		15 G'S
4.0	OPERATIONAL DATA		
4.1	OPERATE TIME AT 25°C		*115 VAC: .050 SECOND MAX.
4.2	RELEASE TIME AT 25°C		*115 VAC: .050 SECOND MAX.
4.3	CONTACT BOUNCE TIME AT 25°C		*115 VAC: .003 SECOND MAX.
5.0	PHYSICAL DATA		
5.1	CONSTRUCTION		SEALED (VENTED)
5.2	DIODES ARE:		JANTX,(1000 PIV),GLASS CASE ZENER,JANTX,GLASS CASE
5.3	TERMINAL STRENGTH (REF: MIL-STD-202, METHOD 211)	PULL 35 LB.	TORQUE 20.0 LB.-IN
5.4	FINISH: COVER TO BE TREATED WITH BLACK EPOXY COATING TO MEET THE REQUIREMENTS OF PARA 4.6.12 OF MIL-C-5026E.		
5.5	WEIGHT:		9 OZ MAX
6.0	NOTES		
6.1	REMOVE FINISH FROM THE MOUNTING SURFACE, BOTH SIDES AT TWO (2) PLACES FOR ELECTRICAL BONDING.		
6.2	IDENTIFICATION SHALL BE PER MIL-STD-1285 AND SHALL INCLUDE THE FOLLOWING INFORMATION: RELAYS FUNCTIONAL DESCRIPTION CIRCUIT DIAGRAM		
6.3	WARNING LEGEND SHALL READ:		DO NOT DIELECTRIC COIL CIRCUIT
6.4	HARDWARE		TERMINALS SHALL BE SUPPLIED WITH SPECIFIED HARDWARE.
6.5	THREADS SHALL BE PER MIL-S-7742.		

*ASTERISK DENOTES 100% TESTING BY PRODUCTION

SCHEMATIC



TE CONNECTIVITY
175 N, DIAMOND STREET MANSFIELD, OHIO 44902

TITLE: CONTACTOR, SPDT,25 AMP AC 50 AMP DC, .1 AMP SPDT AUX

TE P.N.	DWG NO.
1616095-3	NN-233D

THIRD ANGLE PROJECTION	THIS DRAWING PREPARED IN ACCORDANCE WITH ANSI/ASMEY14.5M-1982	CAGE CODE	SCALE	SHEET	REV
		76043	NONE	2 OF 2	E