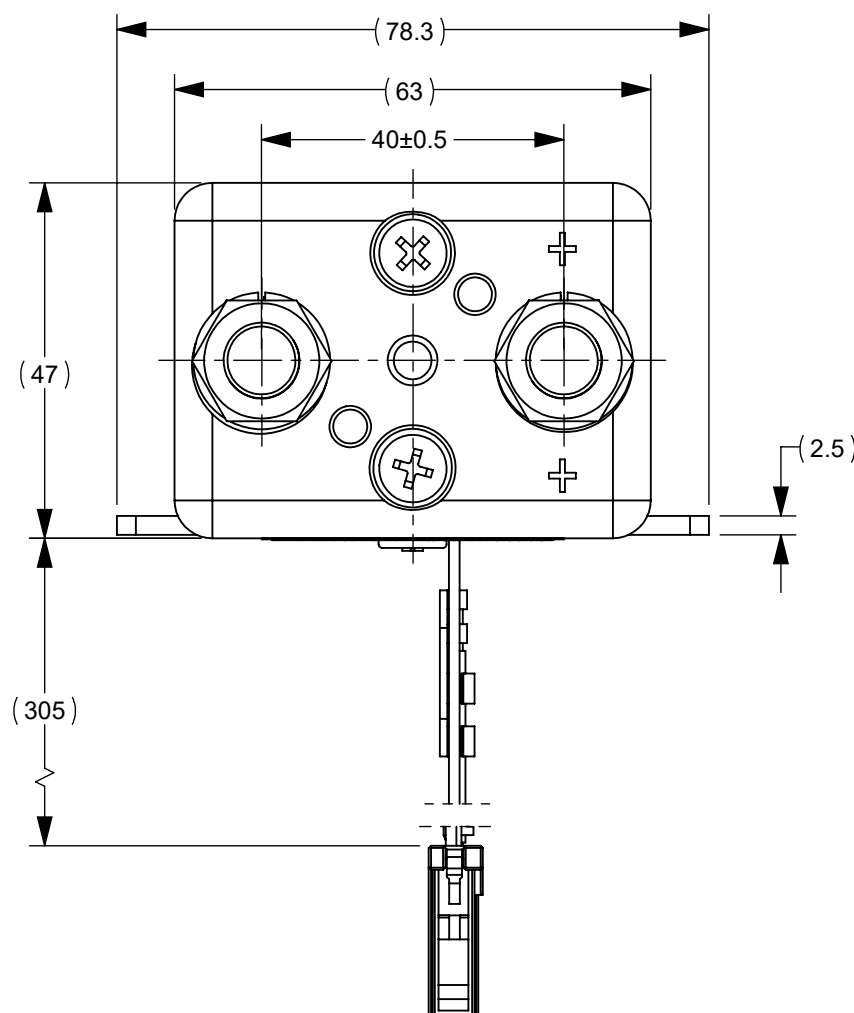
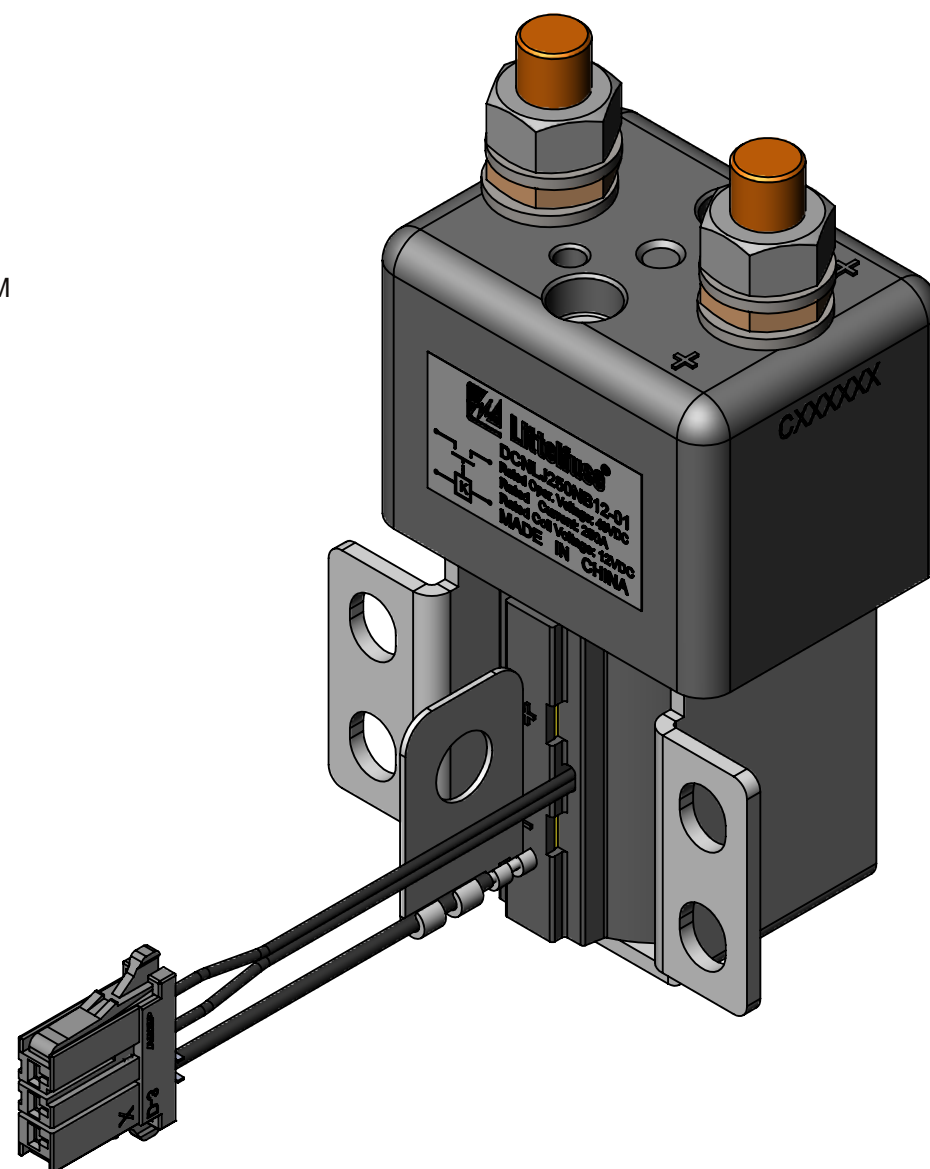
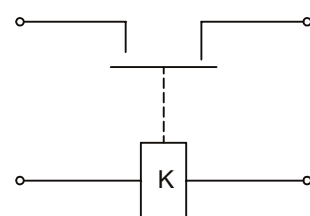


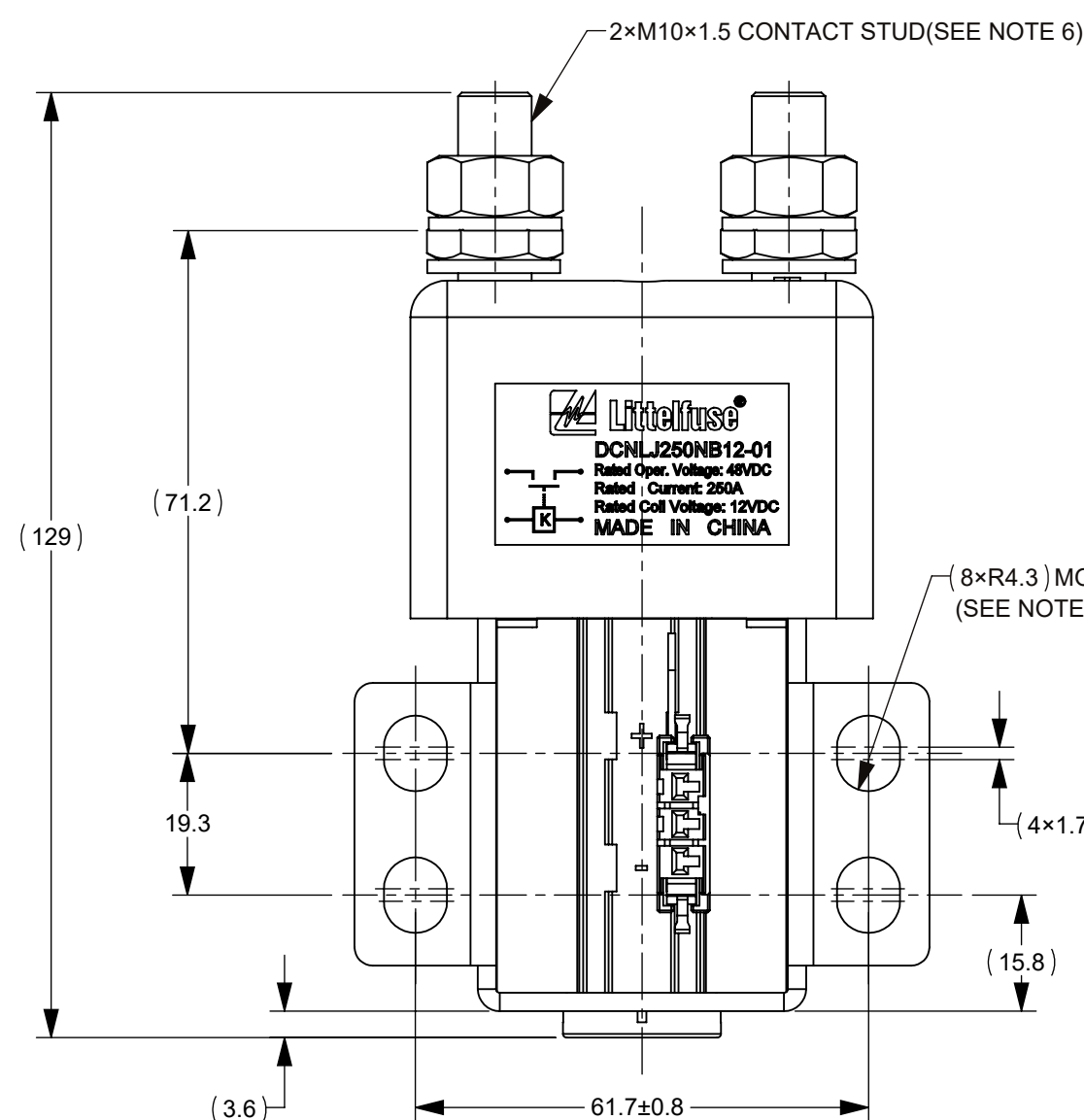
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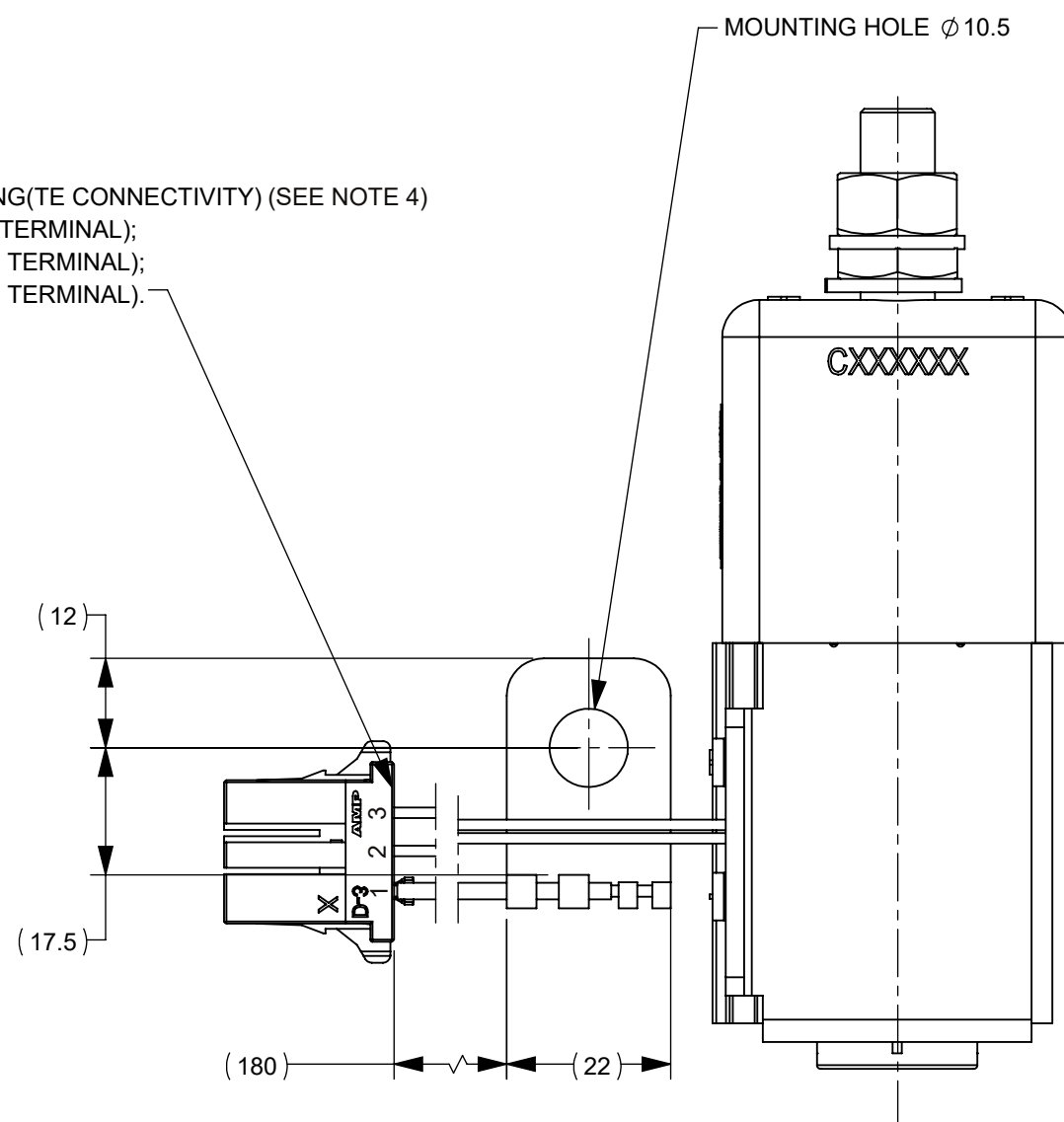
CIRCUIT SCHEMATIC DIAGRAM



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ECF#524670 INITIAL RELEASE	NOV./10/2021	D. ZHANG
D5	B	ECR#525021 ADD CONNECTTOR INTERFACE DEFINITION	4/8/2022	D. ZHANG



- △** 1-178128-3 RECEPTACLE HOUSING(TE CONNECTIVITY) (SEE NOTE 4)
 1 FREE WIRE(16AWG,1-175218-2 TERMINAL);
 2 RELAY COIL(22AWG,1-175217-2 TERMINAL);
 3 RELAY COIL(22AWG,1-175217-2 TERMINAL). ▽



ITEM		PARAMETER
RATED COIL VOLTAGE		12V DC
HOLD POWER		MAX 16W
OPERATING VOLTAGE IN COLD STATE AT (20±5)°C	PICK-UP(V DC)	MAX 8.4
	RELEASE(V DC)	MIN 1.0
PICK-UP TIME		MAX 60ms
RELEASE TIME		MAX 25ms
BOUNCE TIME		MAX 5ms
RATED CONTACT VOLTAGE		48V DC
MAXIMUM CONTACT VOLTAGE		60V DC
RATED CONTACT CURRENT		250A
CONTACT VOLTAGE DROP		≤50mV@100 A
LIMIT BREAKING ABILITY		4le/5ms,1CYCLES
DIELECTRIC STRENGTH		1000V AC, 50Hz,1min, LEAKAGE CURRENT ≤1 mA
INSULATION RESISTANCE		≥50MΩ@500VDC
ELECTRIC LIFE		6000 CYCLES
MECHANICAL LIFE		300,000 CYCLES
WORKING DUTY		CONTINUOUS

NOTES:

1. ALL SIZES ARE FOR REFERENCE ONLY.
2. MATERIALS AND FINISH:
 - 2.1 BASE: PHENOLPLASTIC, UL94V-0.
 - 2.2 CONTACTS: SILVER ALLOY.
 - 2.3 STUD: COPPER ROD.
3. PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1.
4. CONNECTORS MATCH: TE CONNECTIVITY: 1-178138-3 OR 1-178136-3 RECOMMENDED.
5. CONTACT ARRANGEMENT: SPST-NO.
6. CONNECTION STUD: M10 STUD, RECOMMENDED TORQUE: 9 N•m ~ 11 N•m.
7. MOUNTING: M8 BOLT, RECOMMENDED TORQUE: 12 N•m-15 N•m.

DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1984.																			
PER CHINP20-0008 PROCEDURE		FIT/ FUNCTION CRITICAL CHARACTERISTICS																	
	<S>	SAFETY/ COMPLIANCE CRITICAL CHARACTERISTICS SYMBOL																	
	CPK	DENOTES CPK DIMENSIONS MINIMUM CPK VALUE																	
		DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE. PROCEDURE FOR IDENTIFICATION AND TRACKING TO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS																	
	CP	DENOTES CP DIMENSIONS. -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE																	
<table><tr><th></th><th>NAME</th><th>DATE</th></tr><tr><td>DRAWN</td><td>MJ. DAI</td><td>NOV/10/2021</td></tr><tr><td>CHECKED</td><td>J. LI</td><td>NOV/15/2021</td></tr><tr><td></td><td>-</td><td>-</td></tr><tr><td></td><td>-</td><td>-</td></tr></table>			NAME	DATE	DRAWN	MJ. DAI	NOV/10/2021	CHECKED	J. LI	NOV/15/2021		-	-		-	-	 Littelfuse® Expertise Applied Answers Delivered		
	NAME	DATE																	
DRAWN	MJ. DAI	NOV/10/2021																	
CHECKED	J. LI	NOV/15/2021																	
	-	-																	
	-	-																	
FORM NO: CVP-PE40-0005 REV B THIRD ANGLE PROJECTION 		TITLE DCNLJ 250A 48V 12V COIL CONTACTOR																	
		SIZE C	DWG. NO. OUTLINE OL-DCNLJ250NB12-01	REV B															
DO NOT SCALE DRAWING		SCALE 1:1		SHEET 1 OF 6															