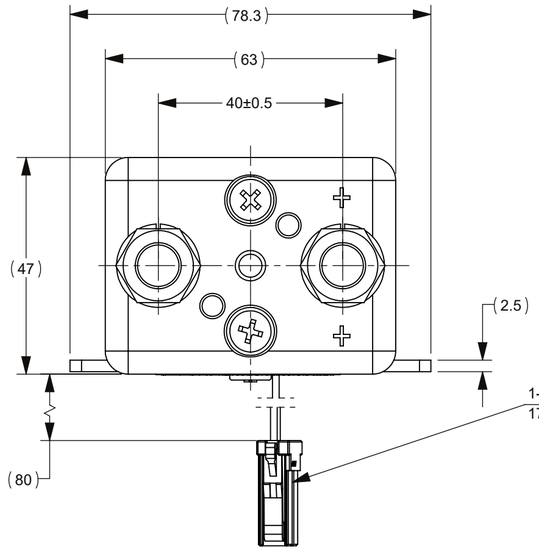
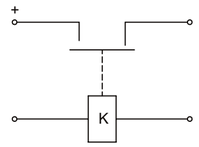
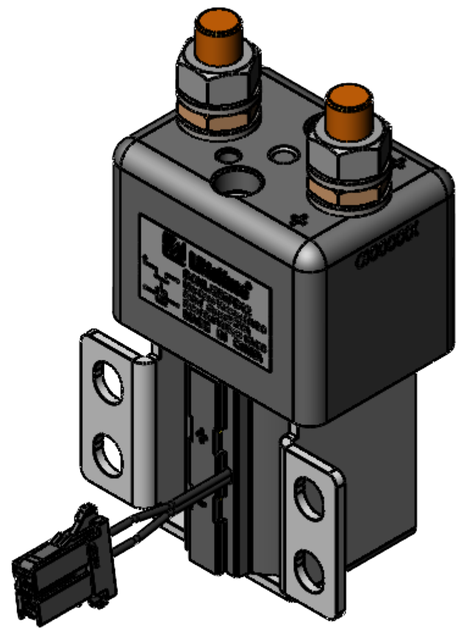
THIS DRAWING AND THE INFORMATION CONTAINED WITHIN IT ARE CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF LITTELFUSE.

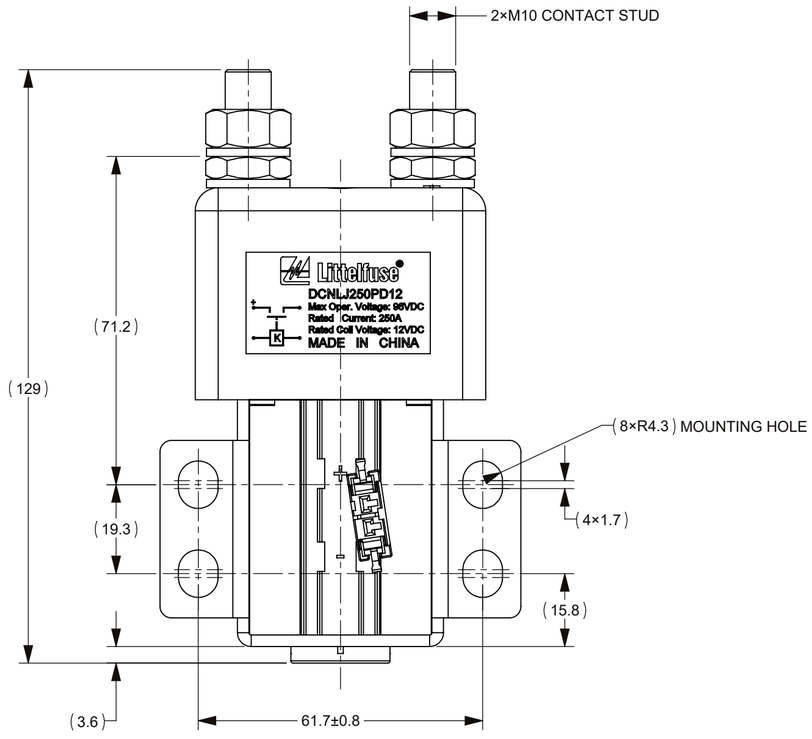
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	GCF#524336 INITIAL RELEASE	AUG./15/2021	D. ZHANG
B1; D1	B	CCO-100372 60ms was 50ms; 50MΩ was 20MΩ	Oct./12/2022	D. ZHANG

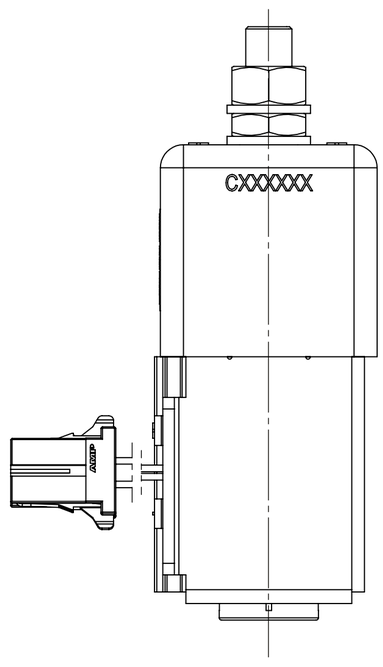


CIRCUIT SCHEMATIC DIAGRAM









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: 1-917337-2 OR 1-179276-2 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.

TABLE 1: TECHNICAL PARAMETERS	
ITEM	PARAMETER
RATED COIL VOLTAGE	12V DC
HOLD POWER	MAX 16W
OPERATING VOLTAGE IN COLD STATE AT (20±5)°C	PICKUP: 8.4V DC MAX
	RELEASE: 1V DC MIN
B OPERATE TIME	MAX 60ms
RELEASE TIME	MAX 25ms
BOUNCE TIME	MAX 7ms
RATED CONTACT VOLTAGE	96V DC
MAXIMUM CONTACT VOLTAGE	110V DC
RATED CONTACT CURRENT	250A
CONTACT VOLTAGE DROP	≤50mV@100 A
LIMIT BREAKING ABILITY	4Ie/5ms,1CYCLES
DIELECTRIC STRENGTH	1000V AC, 50Hz,1min, LEAKAGE CURRENT ≤1 mA
B INSULATION RESISTANCE	≥50MΩ@500VDC
ELECTRIC LIFE	6000 CYCLES
MECHANICAL LIFE	300,000 CYCLES
WORKING DUTY	CONTINUOUS

DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1994.

PER CHI-NPD20-0008 PROCEDURE

●	FIT/ FUNCTION CRITICAL CHARACTERISTICS
<S>	SAFETY/ COMPLIANCE CRITICAL CHARACTERISTICS SYMBOL
CPK	DENOTES CPK DIMENSIONS MINIMUM CPK VALUE
ST	DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE.PROCEDURE FOR MEASUREMENTAND TRACKINGTO 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

	NAME	DATE
DRAWN	MJ. DAI	AUG./15/2021
CHECKED	J. LI	AUG./20/2021
	-	-
	-	-

FORM NO: CVP-PE40-0005 REV B

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

Littelfuse
Expertise Applied | Answers Delivered

TITLE
DCNL 250A 96V 12V COIL CONTACTOR

SIZE	DWG. NO.	REV.
C	OUTLINE OL-DCNLJ250PD12	B

SCALE 1:1 SHEET 1 OF 1