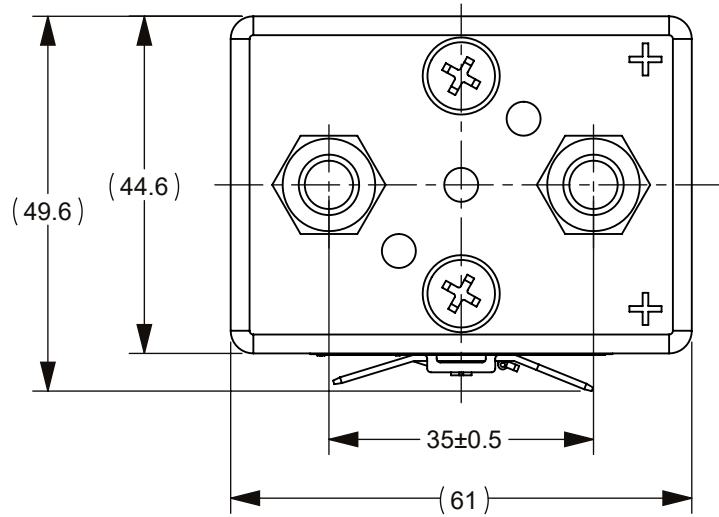


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REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	GCF#524670 INITIAL RELEASE	NOV./05/2021	D. ZHANG



CIRCUIT SCHEMATIC DIAGRAM

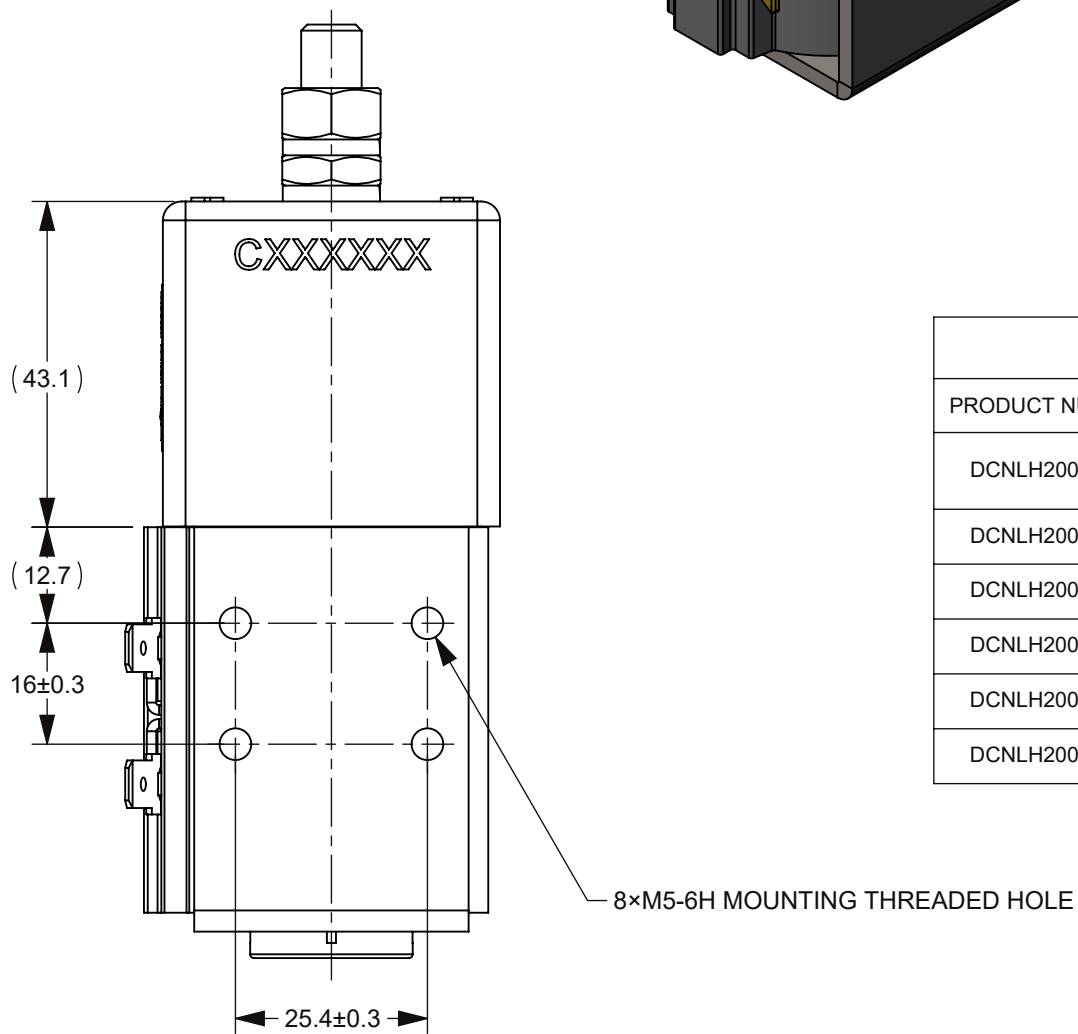
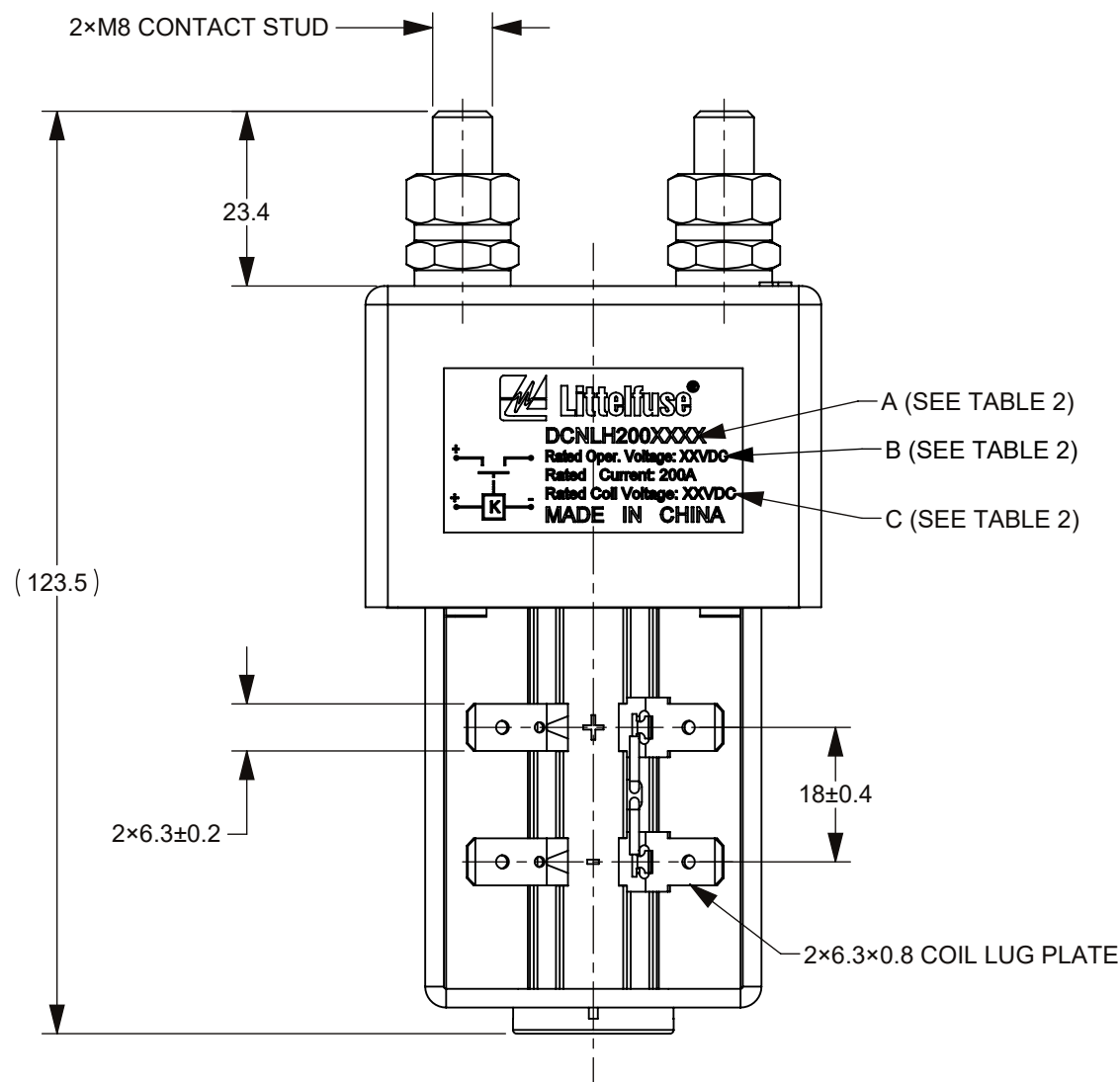
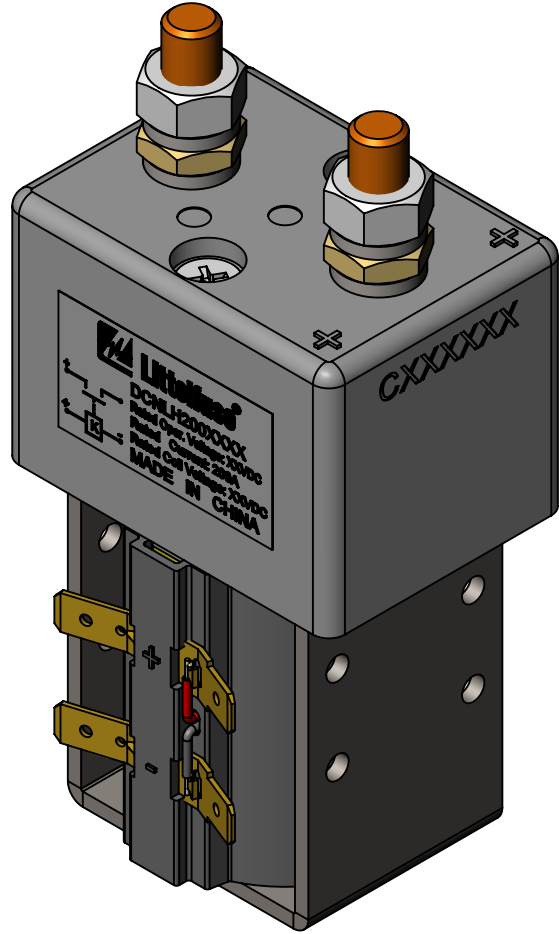
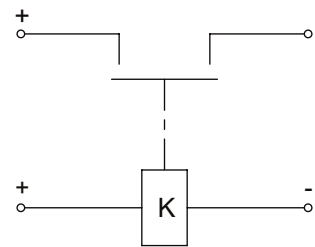


TABLE 2

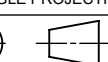
PRODUCT NUMBER	"A"	"B"	"C"
DCNLH200PD12	DCNLH200PD12	Rated Oper. Voltage: 96VDC	Rated Coil Voltage: 12VDC
DCNLH200PD24	DCNLH200PD24	Rated Oper. Voltage: 96VDC	Rated Coil Voltage: 24VDC
DCNLH200PD48	DCNLH200PD48	Rated Oper. Voltage: 96VDC	Rated Coil Voltage: 48VDC
DCNLH200NB12	DCNLH200NB12	Rated Oper. Voltage: 48VDC	Rated Coil Voltage: 12VDC
DCNLH200NB24	DCNLH200NB24	Rated Oper. Voltage: 48VDC	Rated Coil Voltage: 24VDC
DCNLH200NB48	DCNLH200NB48	Rated Oper. Voltage: 48VDC	Rated Coil Voltage: 48VDC

TECHNICAL PARAMETERS 1

TECHNICAL PARAMETERS 1							
ITEM		PARAMETER					
		DCNLH200PD12	DCNLH200PD24	DCNLH200PD48	DCNLH200NB12	DCNLH200NB24	DCNLH200NB48
RATED COIL VOLTAGE		12V DC	24V DC	48V DC	12V DC	24V DC	48V DC
HOLD POWER		MAX 55W	MAX 29W	MAX 27W	MAX 55W	MAX 29W	MAX 27W
OPERATING VOLTAGE IN COLD STATE AT (20±5)°C	PICK-UP(V DC)	MAX 8.4	MAX 16.8	MAX 33.6	MAX 8.4	MAX 16.8	MAX 33.6
	RELEASE(V DC)	MAX 8.4	MAX 16.8	MAX 33.6	MAX 8.4	MAX 16.8	MAX 33.6
OPERATE TIME		MAX 40ms					
BOUNCE TIME		MAX 7ms					
CONTACT VOLTAGE DROP		≤50mV@100 A					
DIELECTRIC STRENGTH		1000V AC, 50Hz,1min., LEAKAGE CURRENT ≤1 mA					
INSULATION RESISTANCE		≥50MΩ@500VDC					
RATED CONTACT VOLTAGE		96V DC			48V DC		
MAXIMUM CONTACT VOLTAGE		110V DC			60V DC		
RATED CONTACT CURRENT		200A					
LIMIT BREAKING ABILITY		4le/5ms,1CYCLES					
ELECTRIC LIFE		6000 CYCLES					
MECHANICAL LIFE		100,000 CYCLES					

NOTES:

1. ALL SIZES ARE FOR REFERENCE ONLY.
2. MATERIALS AND FINISHING:
 - 2.1 BASE: PHENOLPLASTIC, UL94V-0.
 - 2.2 CONTACTS: SILVER ALLOY.
 - 2.3 STUD: COPPER ROD.
 - 2.4 COIL LUG PLATE: BRASS STRIP.
3. PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1.
4. PRODUCT AND NAMEPLATE(THE CHARACTER CONTENT AT "A", "B" AND "C") CONFIGURATION SEE TABLE 2.
5. CONTACT ARRANGEMENT: SPST-NO.
6. PRODUCT COIL IS ACTIVATED BY POSITIVE AND NEGATIVE PULSE(SQUARE PULSE), $200\text{ms} \leq t \leq 1\text{s}$, THE PERMANENT MAGNET IN PRODUCT KEEPS THE STATE OF THE CONTACT, LONG TIME CONTINUOUS ENERGIZING IS NOT ALLOWED. AND POSITIVE PULSE MAKES THE CONTACT CLOSE, WHILE NEGATIVE PULSE MAKES THE CONTACT OPEN.
7. CONNECTION STUD: M8 STUD, RECOMMENDED TORQUE: $8\text{ N}\cdot\text{m} \sim 9\text{ N}\cdot\text{m}$.
8. MOUNTING: M5 BOLT, RECOMMENDED TORQUE: $4\text{ N}\cdot\text{m} \sim 5\text{ N}\cdot\text{m}$.

DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1994.																	
PER CHAINING 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 MEASUREMENT 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><td></td><td>NAME</td><td>DATE</td></tr><tr><td>DRAWN</td><td>MJ. DAI</td><td>NOV./05/2021</td></tr><tr><td>CHECKED</td><td>J. LI</td><td>NOV./10/2021</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./05/2021	CHECKED	J. LI	NOV./10/2021		-	-		-	-	 Expertise Applied Answers Delivered
	NAME	DATE															
DRAWN	MJ. DAI	NOV./05/2021															
CHECKED	J. LI	NOV./10/2021															
	-	-															
	-	-															
FORM NO: CVP-PE40-0005 REV B THIRD ANGLE PROJECTION 																	
DO NOT SCALE DRAWING																	
TITLE DCNLH 200A CONTACTOR SIZE C DWG. NO. OUTLINE OL-DCNLH200_CHART REV. A																	
SCALE 1:1		SHEET 1 OF 1															