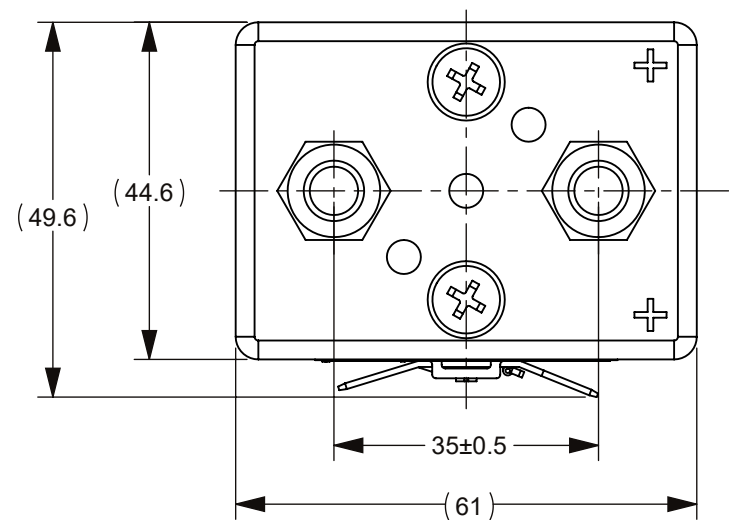
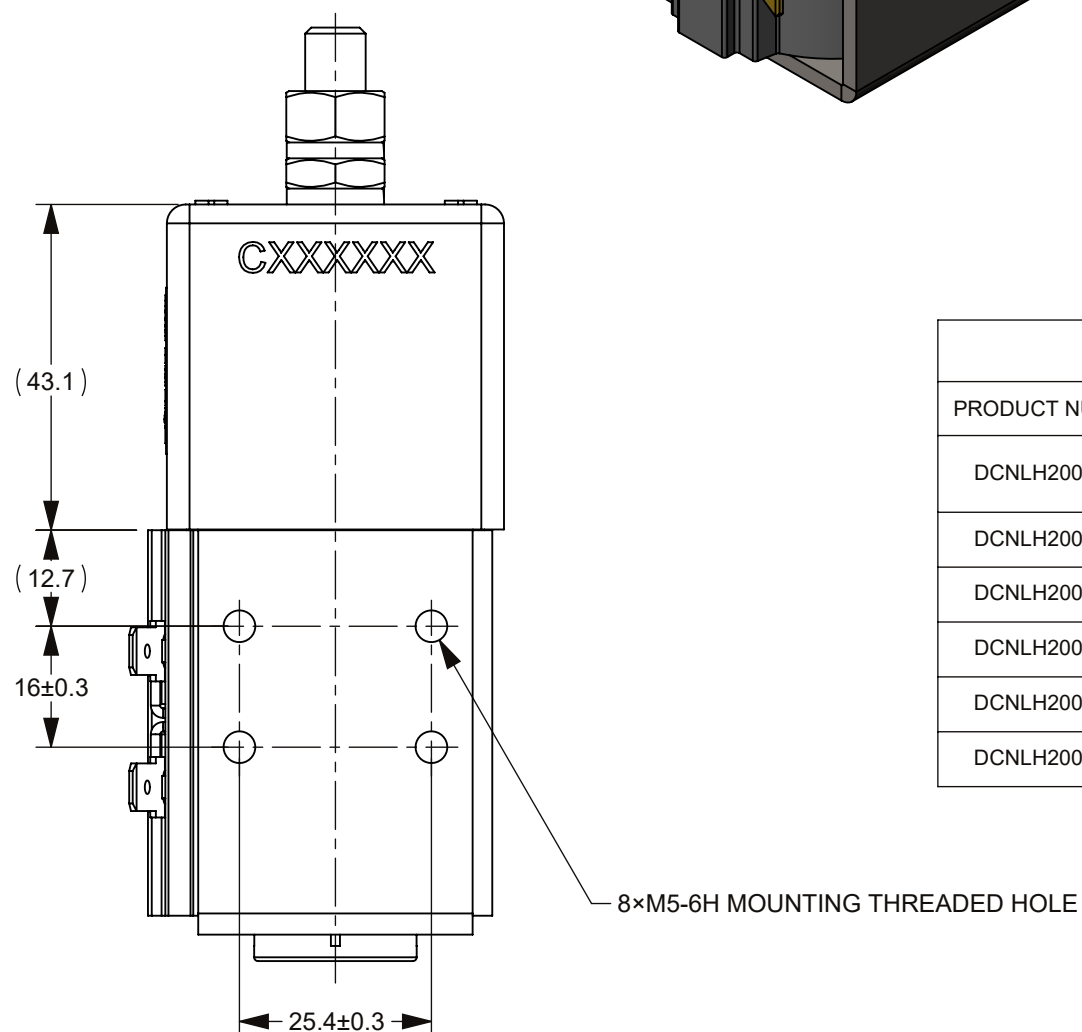
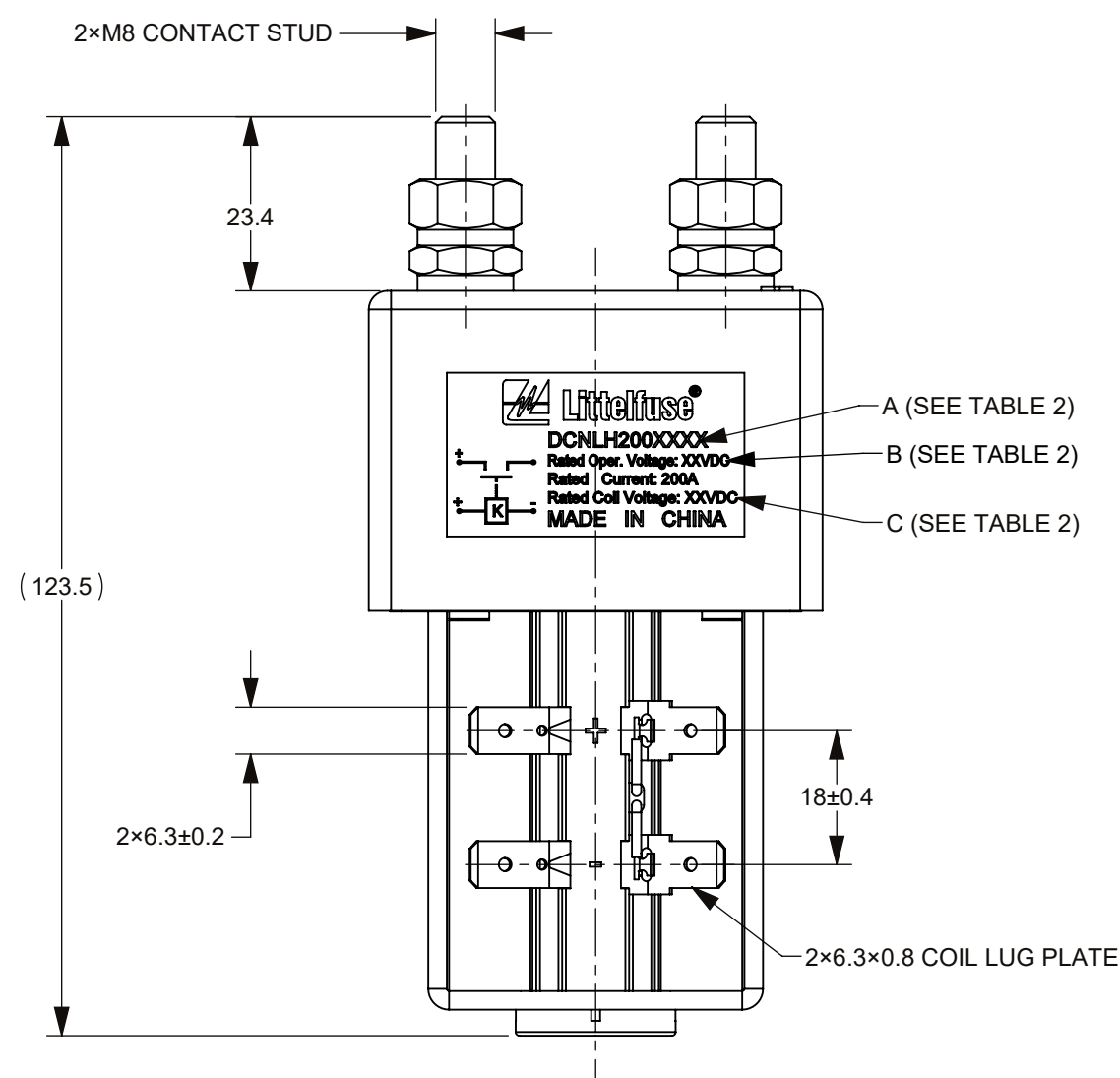
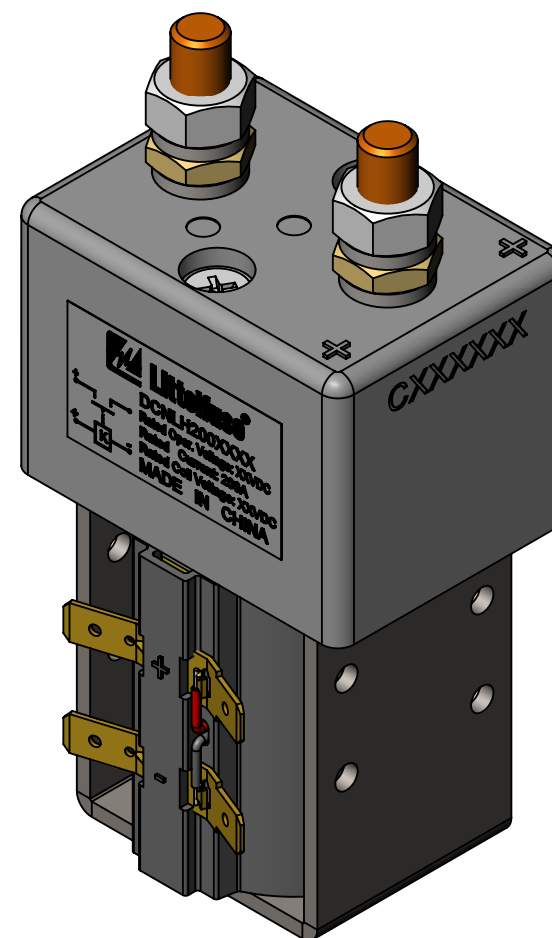
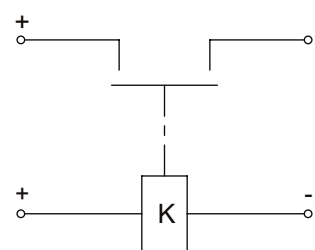


| REVISIONS | | | | |
|-----------|------|----------------------------|--------------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | A | GCF#524670 INITIAL RELEASE | NOV./05/2021 | D. ZHANG |



CIRCUIT SCHEMATIC DIAGRAM



| 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

| 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 | 4Ie/5ms, 1CYCLES | | | | | | |
| ELECTRIC LIFE | 6000 CYCLES | | | | | | |
| MECHANICAL LIFE | 100,000 CYCLES | | | | | | |

NOTES:

- ALL SIZES ARE FOR REFERENCE ONLY.
- MATERIALS AND FINISHING:
 - BASE: PHENOLPLASTIC, UL94V-0.
 - CONTACTS: SILVER ALLOY.
 - STUD: COPPER ROD.
 - COIL LUG PLATE: BRASS STRIP.
- PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1.
- PRODUCT AND NAMEPLATE(THE CHARACTER CONTENT AT "A", "B" AND "C") CONFIGURATION SEE TABLE 2.
- CONTACT ARRANGEMENT: SPST-NO.
- PRODUCT COIL IS ACTIVATED BY POSITIVE AND NEGATIVE PULSE(SQUARE PULSE), 200ms≤t≤1s, 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.
- CONNECTION STUD: M8 STUD, RECOMMENDED TORQUE: 8 N·m ~ 9 N·m.
- MOUNTING: M5 BOLT, RECOMMENDED TORQUE: 4 N·m-5 N·m.

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

● 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 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

PER CHN-PPD-008 PROCEDURE

| | |
|---------|--------------|
| NAME | DATE |
| MJ. DAI | NOV./05/2021 |
| J. LI | NOV./10/2021 |

FORM NO. CVP-PE40-0005 REV B

THIRD ANGLE PROJECTION

Littelfuse
Expertise Applied | Answers Delivered

TITLE: DCNLH 200A CONTACTOR

SIZE: C DWG. NO. OL-DCNLH200.CHART REV. A

DO NOT SCALE DRAWING SCALE 1:1 SHEET 1 OF 1