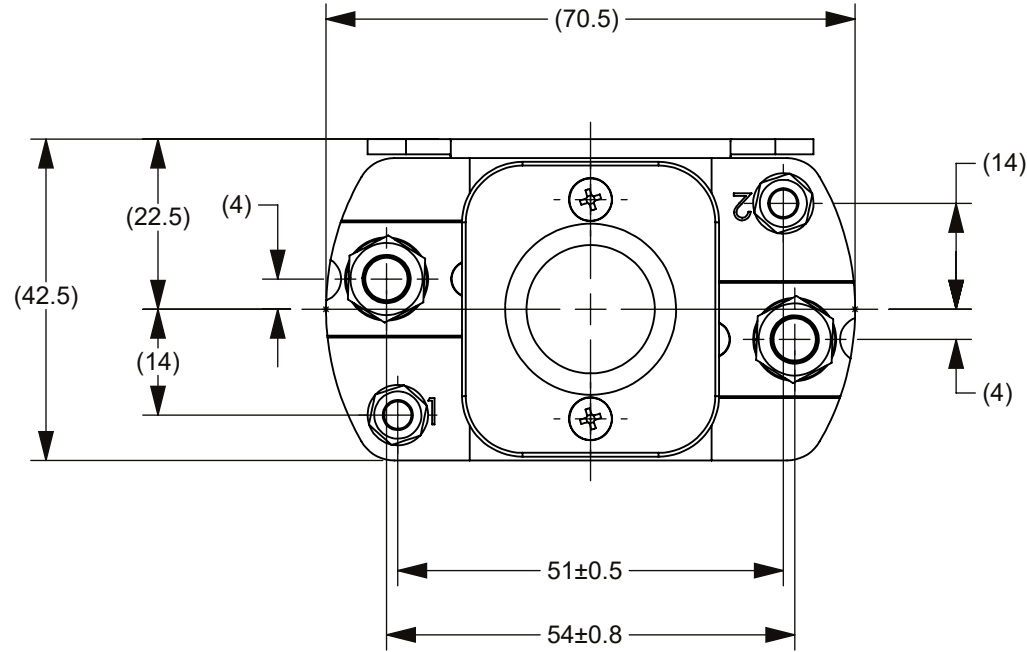


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	GCF#524853 INITIAL RELEASE	NOV./10/2021	D. ZHANG



CIRCUIT SCHEMATIC DIAGRAM

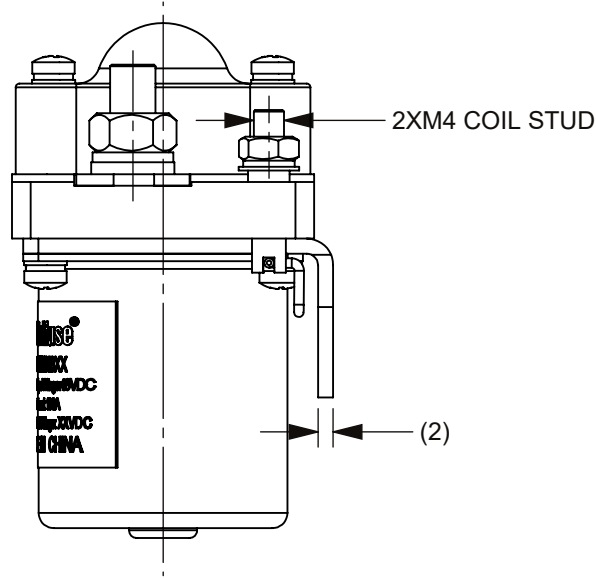
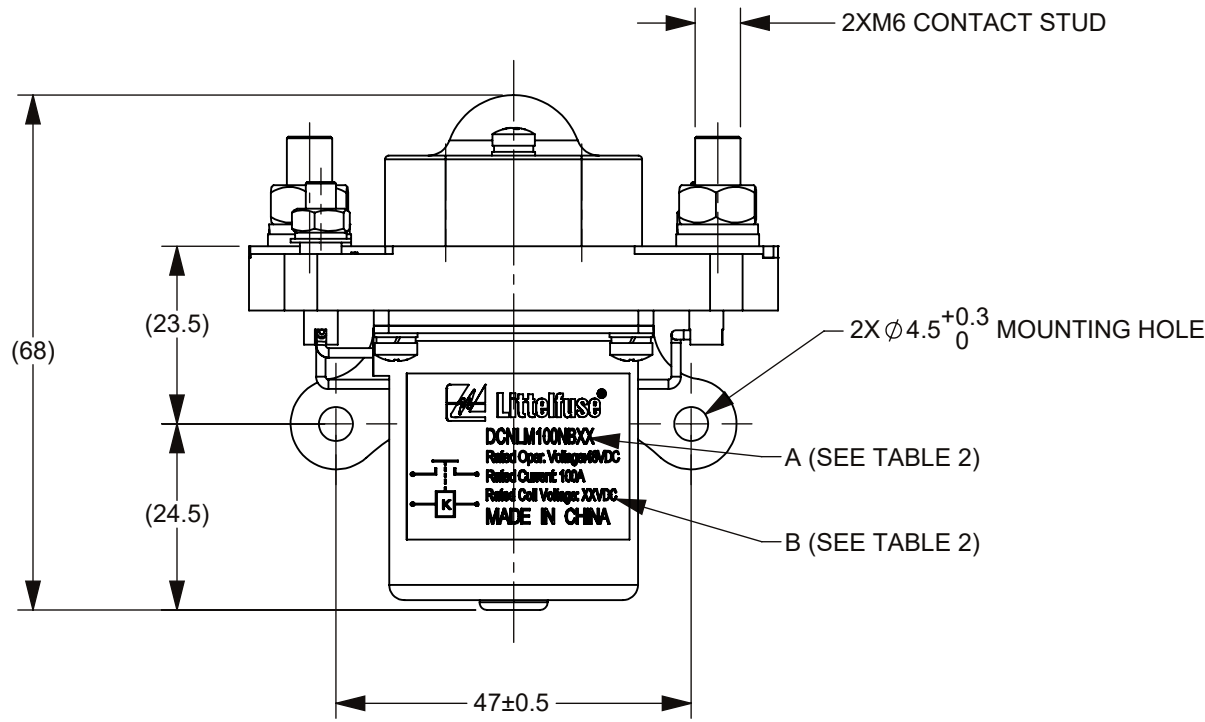
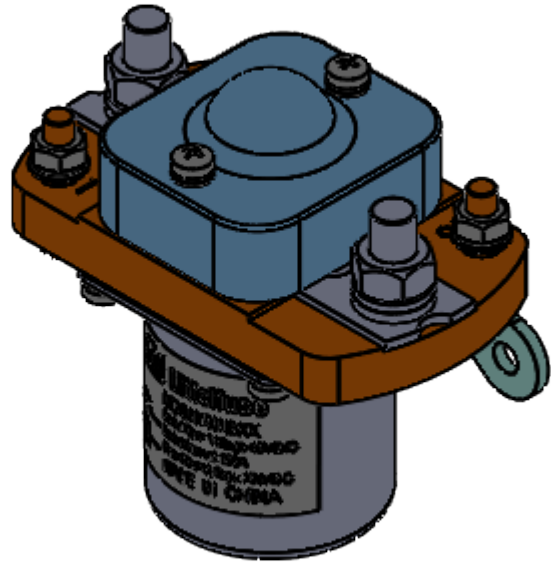
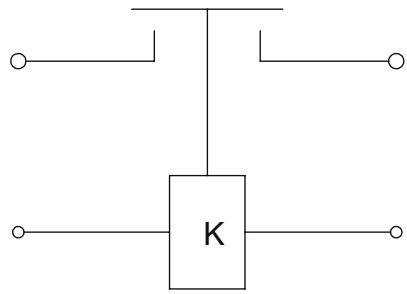


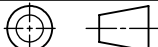
TABLE 1: TECHNICAL PARAMETERS

ITEM		PARAMETER		
		DCNLM100NB12	DCNLM100NB24	DCNLM100NB48
RATED COIL VOLTAGE		12V DC	24V DC	48V DC
HOLD POWER		MAX 6W		
OPERATING VOLTAGE IN COLD STATE AT (20±5)°C	PICKUP	MAX 8.4V DC	MAX 16.8V DC	MAX 33.6V DC
	RELEASE	MIN 1V DC	MIN 1.9V DC	MIN 3.8V DC
OPERATE TIME		MAX 30ms		
RELEASE TIME		MAX 30ms		
BOUNCE TIME		MAX 7ms		
RATED CONTACT VOLTAGE		48V DC		
MAXIMUM CONTACT VOLTAGE		60V DC		
RATED CONTACT CURRENT		100A		
CONTACT VOLTAGE DROP		≤80mV@100 A		
LIMIT BREAKING ABILITY		4le/5ms,1CYCLES		
DIELECTRIC STRENGTH		1000V AC, 50Hz,1min., LEAKAGE CURRENT ≤1 mA		
INSULATION RESISTANCE		≥50MΩ@500VDC		
ELECTRIC LIFE		10000 CYCLES		
MECHANICAL LIFE		100,000 CYCLES		
WORKING DUTY		CONTINUOUS		

NOTES:

- ALL SIZES ARE FOR REFERENCE ONLY.
- MATERIALS AND FINISH:
 - BASE: THERMOSETTING PLASTIC, UL94V-0.
 - CONTACTS: SILVER ALLOY.
 - COIL STUD: COPPER ALLY, SILVER PLATED.
- PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1.
- PRODUCT AND NAMEPLATE(THE CHARACTER CONTENT AT "A" AND "B") CONFIGURATION SEE TABLE 2.
- CONTACT ARRANGEMENT: SPST-NO.
- CONNECTION STUD: M6 STUD, RECOMMENDED TORQUE 4 N•m ~ 6 N•m; M4 STUD, RECOMMENDED TORQUE 1.7 N•m ~ 2.5 N•m.
- MOUNTING: M4 BOLT, RECOMMENDED TORQUE 1.7 N•m ~ 2.5 N•m.

TABLE 2 P/N AND CONFIGURATION

TABLE 2 P/N AND CONFIGURATION										
P/N	"A"	"B"								
DCNLM100NB12	DCNLM100NB12	Rated Coil Voltage: 12VDC								
DCNLM100NB24	DCNLM100NB24	Rated Coil Voltage: 24VDC								
DCNLM100NB48	DCNLM100NB48	Rated Coil Voltage: 48VDC								
DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1994.										
PER CHNFPD20-008 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								
<table><tr><td>NAME</td><td>DATE</td></tr><tr><td>V. ZHANG</td><td>NOV./10/2021</td></tr><tr><td>J. LI</td><td>NOV./30/2021</td></tr><tr><td>-</td><td>-</td></tr></table>		NAME	DATE	V. ZHANG	NOV./10/2021	J. LI	NOV./30/2021	-	-	 Littelfuse® Expertise Applied Answers Delivered
NAME	DATE									
V. ZHANG	NOV./10/2021									
J. LI	NOV./30/2021									
-	-									
FORM NO.: CVP-PE40-0005 REV B THIRD ANGLE PROJECTION										
		TITLE DCNLM 100A 48V COIL CONTACTOR								
DO NOT SCALE DRAWING										
SIZE C DWG. NO. OUTLINE		OL-DCNLM100NB,CHT1								
SCALE 1:1		REV. A								
		SHEET 1 OF 1								