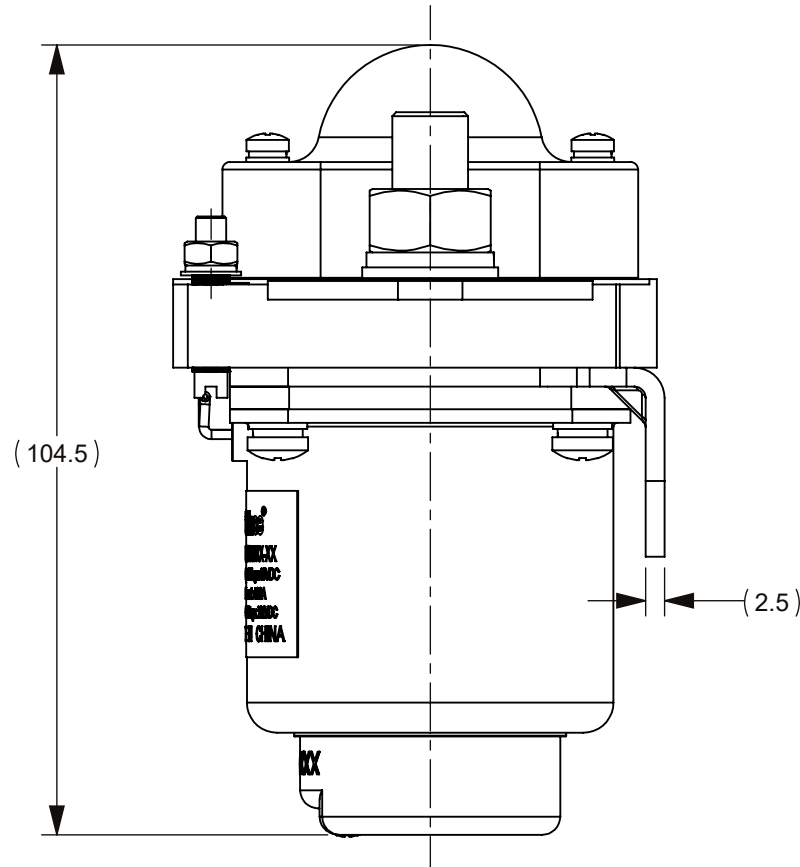
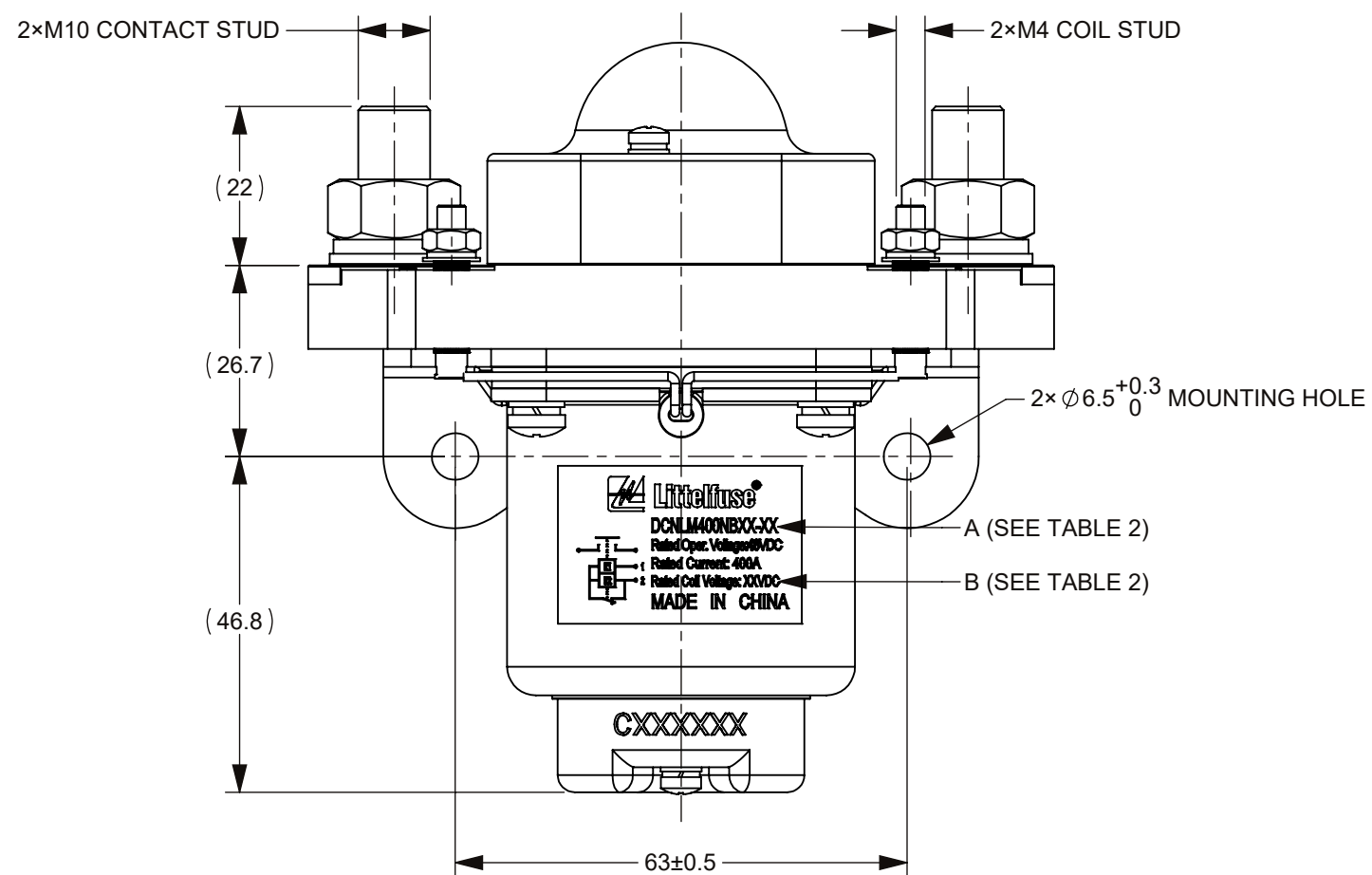
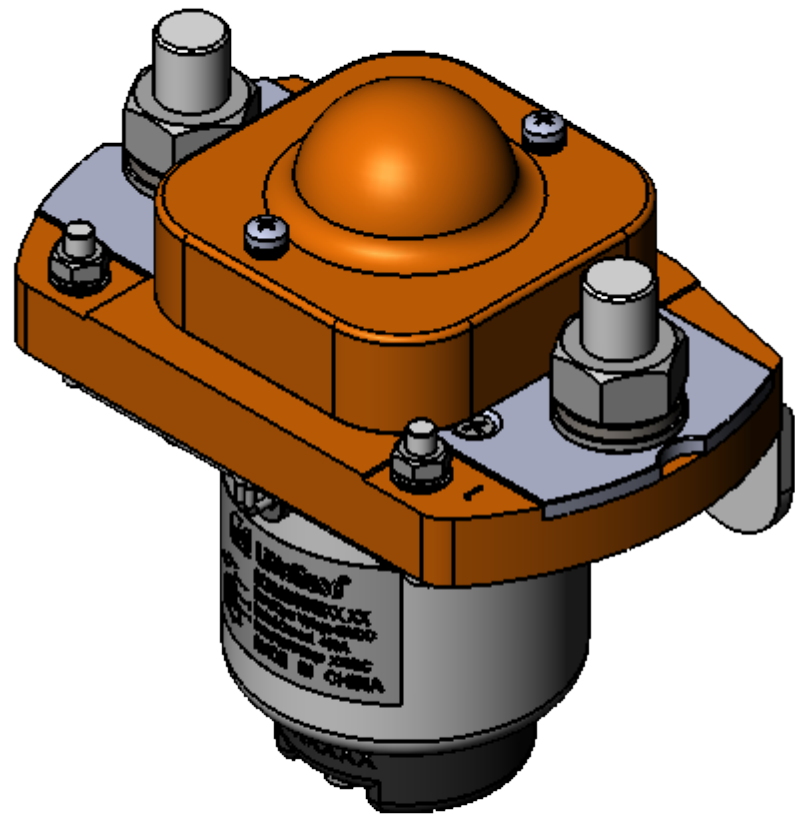
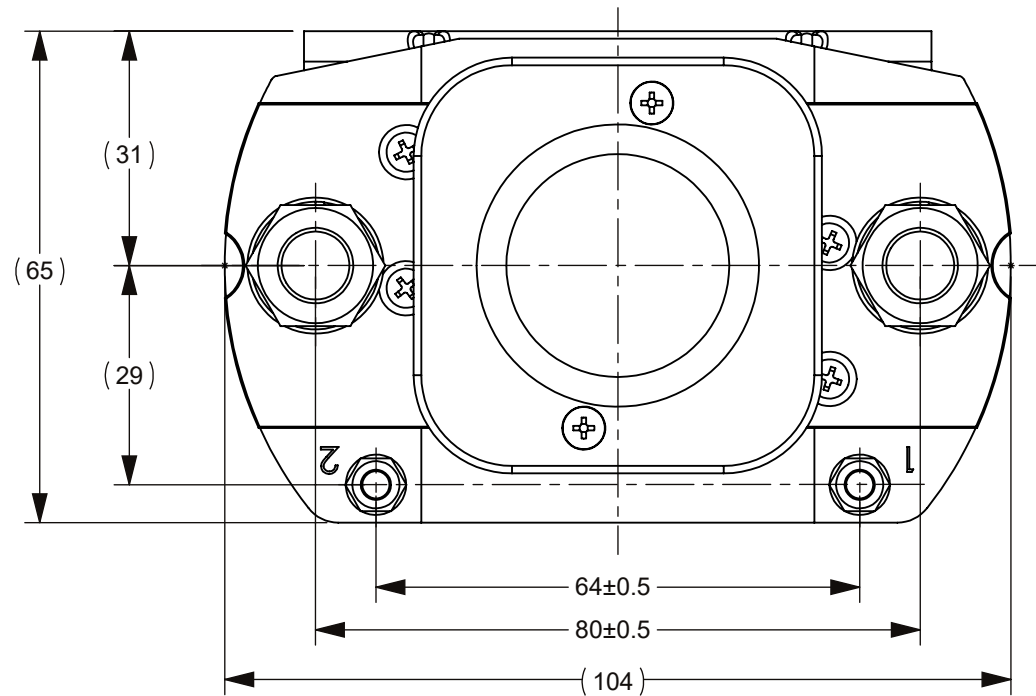


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CIRCUIT SCHEMATIC DIAGRAM

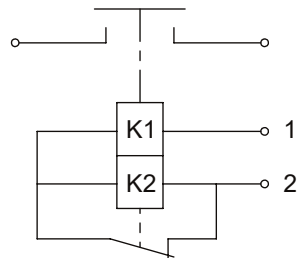


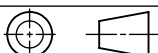
TABLE 1: TECHNICAL PARAMETERS

ITEM		PARAMETER		
		DCNLM400NB12	DCNLM400NB24-01	DCNLM400NB48-01
RATED COIL VOLTAGE		12V DC	24V DC	48V DC
HOLD POWER	START POWER	MAX 80W	MAX 175W	MAX 155W
	MAINTAIN POWER	MAX 10W	MAX 11.5W	MAX 5W
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 2V DC	MIN 4V DC
OPERATE TIME		MAX 50ms		
RELEASE TIME		MAX 20ms		
BOUNCE TIME		MAX 7ms		
RATED CONTACT VOLTAGE		48V DC		
MAXIMUM CONTACT VOLTAGE		60V DC		
RATED CONTACT CURRENT		400A		
CONTACT VOLTAGE DROP		≤50mV@100 A		
LIMIT BREAKING ABILITY		4Ie/5ms,1CYCLES		
DIELECTRIC STRENGTH		1000V AC, 50Hz,1min., LEAKAGE CURRENT ≤1 mA		
INSULATION RESISTANCE		≥50MΩ@500VDC		
ELECTRIC LIFE		6000 CYCLES		
MECHANICAL LIFE		100,000 CYCLES		
WORKING DUTY		CONTINUOUS		

NOTES:

1. ALL SIZES ARE FOR REFERENCE ONLY.
2. MATERIALS AND FINISHING:
 - 2.1 BASE: THERMOSETTING PLASTIC, UL94V-0.
 - 2.2 CONTACTS: SILVER ALLOY.
 - 2.3 COIL STUD: COPPER ALLY, SILVER PLATED.
3. PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1.
4. PRODUCT AND NAMEPLATE(THE CHARACTER CONTENT AT "A" AND "B")CONFIGURATION SEE TABLE 2.
5. CONTACT ARRANGEMENT: SPST-NO.
6. CONNECTION STUD: M10 STUD, RECOMMENDED TORQUE 15 N•m ~ 18 N•m; M4 STUD, RECOMMENDED TORQUE 1.7 N•m ~ 2.5 N•m.
7. MOUNTING: M6 BOLT, RECOMMENDED TORQUE 6 N•m ~ 8 N•m.

TABLE 2

PRODUCT PN		"A"		"B"															
DCNLM400NB12		DCNLM400NB12		Rated Coil Voltage: 12VDC															
DCNLM400NB24-01		DCNLM400NB24-01		Rated Coil Voltage: 24VDC															
DCNLM400NB48-01		DCNLM400NB48-01		Rated Coil Voltage: 48VDC															
DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1994.																			
PER CHNPD20-008 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><th>NAME</th><th>DATE</th></tr><tr><td>DRAWN MJ. DAI</td><td>SEP./20/2021</td></tr><tr><td>CHECKED J. LI</td><td>SEP./25/2021</td></tr><tr><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td></tr></table>		NAME	DATE	DRAWN MJ. DAI	SEP./20/2021	CHECKED J. LI	SEP./25/2021	-	-	-	-	<table><tr><td></td><td>Littelfuse®</td></tr><tr><td colspan="2">Expertise Applied Answers Delivered</td></tr></table>					Littelfuse®	Expertise Applied Answers Delivered	
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FORM NO: CVP-PE40-0005 REV B THIRD ANGLE PROJECTION 		TITLE DCNL 400A 48V CONTACTOR																	
DO NOT SCALE DRAWING		SIZE C SCALE 1:1	DWG. NO. OUTLINE OL-DCNLM400NB CHART		REV. A SHEET 1 OF 1														