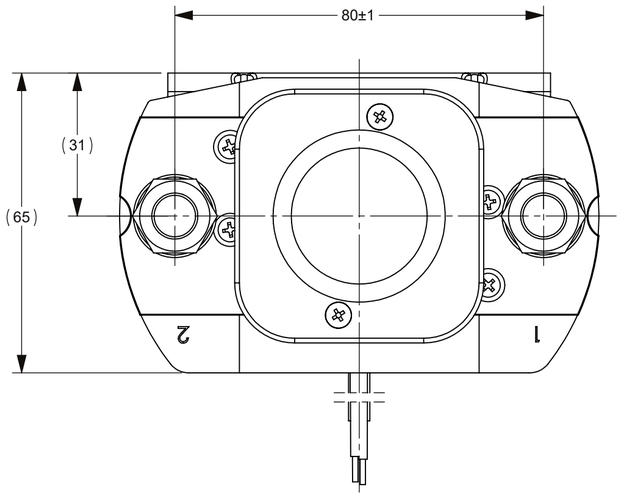
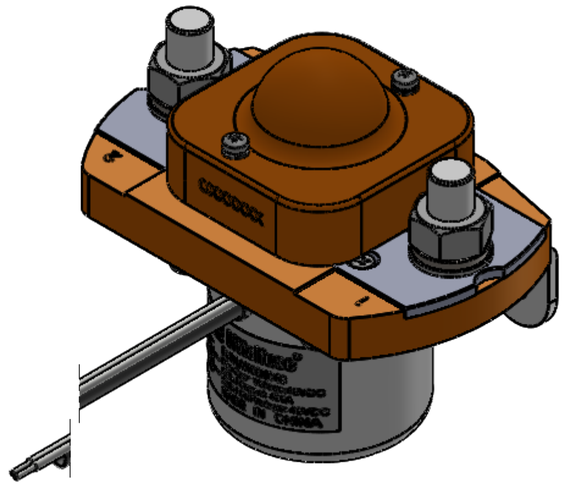
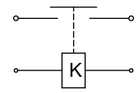
THIS DRAWING AND THE INFORMATION CONTAINED WITHIN IT ARE CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF LITTELFUSE.

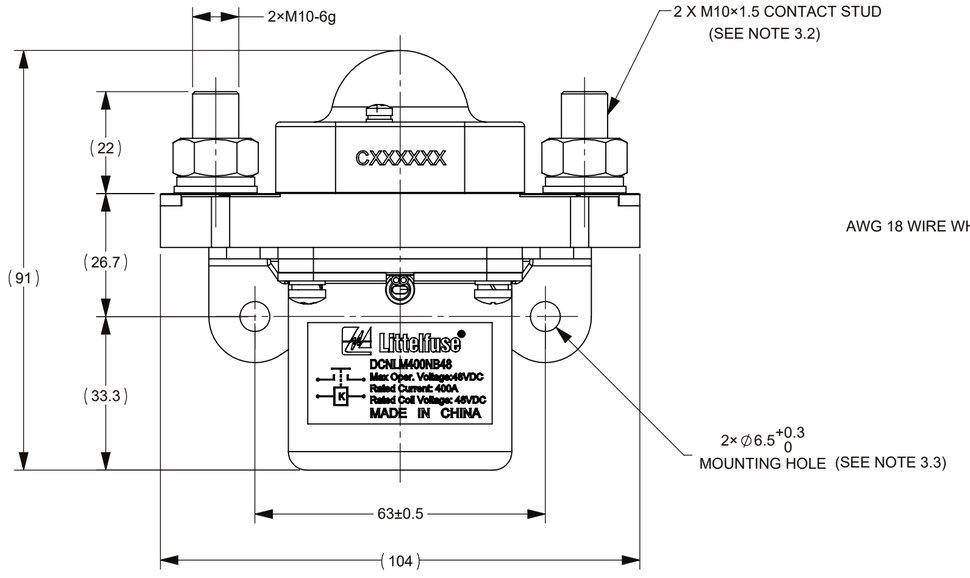
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	GCF#524055 INITIAL RELEASE	Jun./20/2021	D. ZHANG
4C;1B	B	ECR#524964 540±20 WAS 700(+10,0); CORRECT TYPO: 50 WAS 2	4/1/2022	D. ZHANG

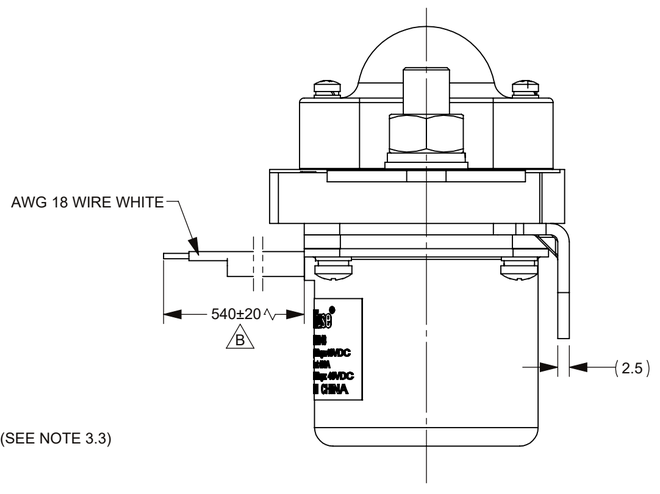




CIRCUIT SCHEMATIC DIAGRAM







CONTACTOR NOTES:

1. ALL SIZES ARE FOR REFERENCE ONLY.
2. MATERIAL:
2.1 BASE: THERMOSETTING PLASTIC, UL94V-0.
2.2 CONTACTS: SILVER ALLOY.
3. PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1.
3.1 CONTACT ARRANGEMENT: SPST-NO.
3.2 CONNECTION STUD: M10 STUD, RECOMMENDED TORQUE : 15 N•m ~ 18 N•m.
3.3 MOUNTING: M6 BOLT, RECOMMENDED TORQUE 6N•m ~ 8N•m.

TECHNICAL PARAMETERS 1	
ITEM	PARAMETER
RATED COIL VOLTAGE	48V DC
HOLD POWER	MAX15W
OPERATING VOLTAGE IN COLD STATE (15°C ~ 25°C)	PICKUP: 33.6V DC MAX
	RELEASE: 4V DC MIN
OPERATE TIME	MAX 40ms
RELEASE TIME	MAX 20ms
BOUNCE TIME	MAX 5ms
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 (B)	≥50MΩ@500VDC
ELECTRICAL LIFE	6000 CYCLES
MECHANICAL LIFE	100,000 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	Jun./20/2021
CHECKED	J. LI	Jun./25/2021
	-	-
	-	-

FORM NO: CVP-PE40-0005 REV B

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

Littelfuse
Expertise Applied | Answers Delivered

TITLE: DCNL 400A 48V 48V COIL CONTACTOR

SIZE	DWG. NO.	REV.
C	OUTLINE OL-DCNLM400NB48	B

SCALE 1:1 SHEET 1 OF 1