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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	GCF#524672 INITIAL RELEASE	OCT./25/2021	D. ZHANG

F

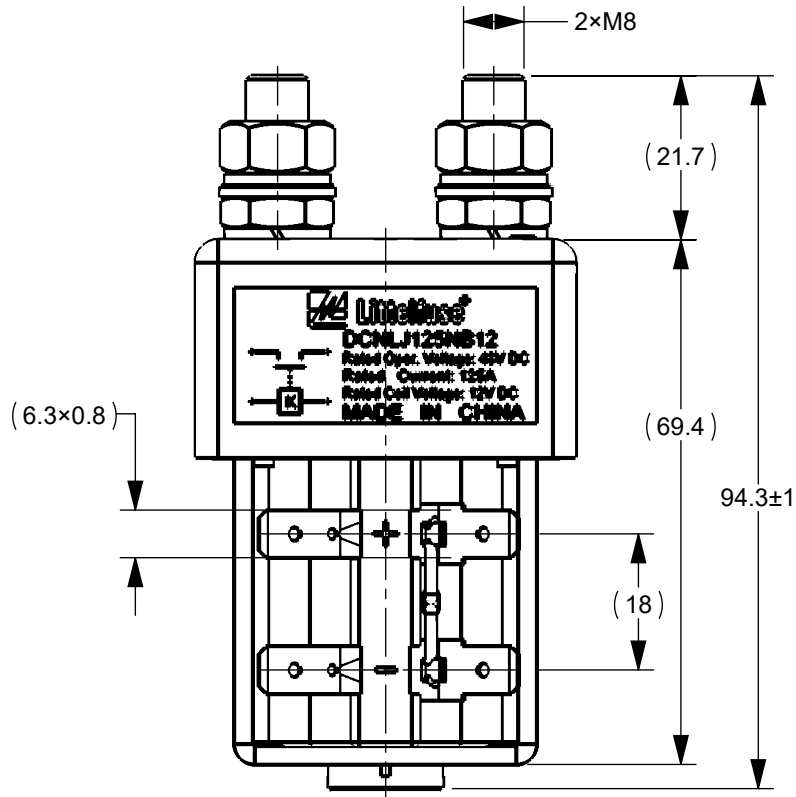
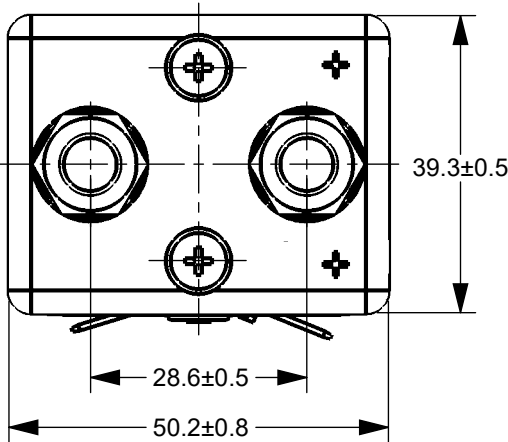
E

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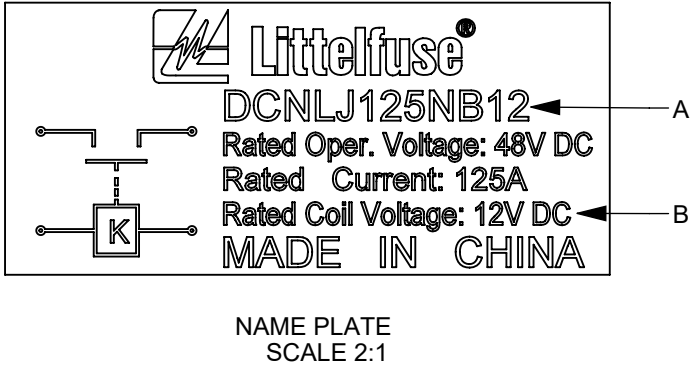
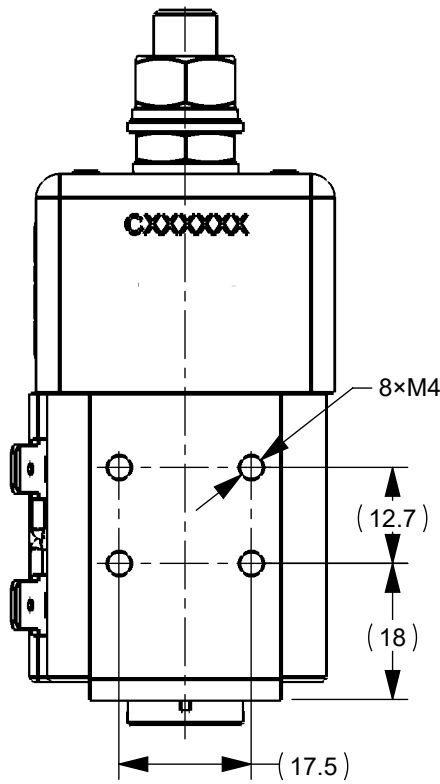
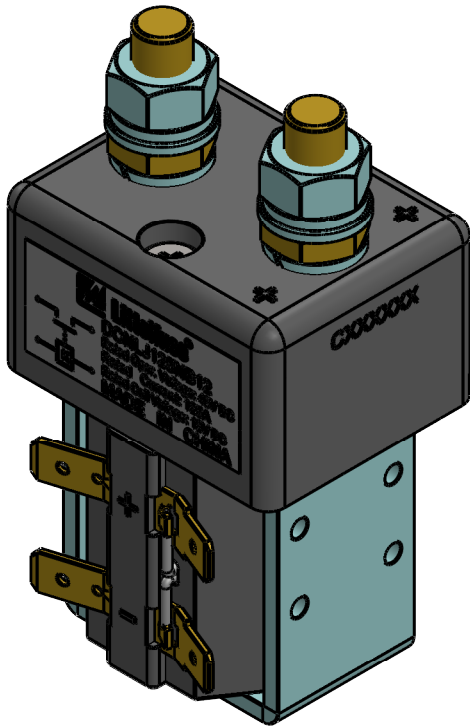
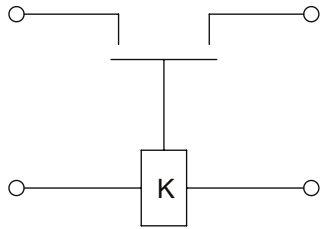
C

B

A



CIRCUIT SCHEMATIC DIAGRAM



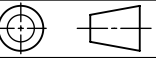
● TABLE 1: TECHNICAL PARAMETERS

ITEM		PARAMETER		
		DCNLJ125NB12	DCNLJ125NB24	DCNLJ125NB60
MAXIMUM CONTACT VOLTAGE		60V DC		
RATED CONTACT VOLTAGE		48V DC		
RATED CONTACT CURRENT		125A		
RATED COIL VOLTAGE		12V DC	24V DC	60V DC
OPERATING VOLTAGE IN COLD STATE @ (20±5)°C	PICKUP	8.4V MAX	16.8V MAX	42V MAX
	RELEASE	1V MIN	2V MIN	6V MIN
OPERATING TIME IN COLD STATE @ (20±5)°C	OPERATE TIME	MAX 30ms		
	RELEASE TIME	MAX 30ms		
	BOUNCE TIME	MAX 5ms		
CONTACT VOLTAGE DROP		≤80mV@100 A		
DIELECTRIC STRENGTH		1000V AC, 50Hz,1min, LEAKAGE CURRENT ≤1 mA		
INSULATION RESISTANCE		≥50 MΩ@500VDC		
ELECTRIC LIFE		6000 CYCLES		
MECHANICAL LIFE		100,000 CYCLES		
WORKING DUTY		CONTINUOUS		

TABLE 2

NO.	PN	NAME PLATE		REMARK
		"A"	"B"	
1	DCNLJ125NB12	DCNLJ125NB12	Rated Coil Voltage: 12V DC	
2	DCNLJ125NB24	DCNLJ125NB24	Rated Coil Voltage: 24V DC	
3	DCNLJ125NB60	DCNLJ125NB60	Rated Coil Voltage: 60V DC	

- NOTES:
1. ALL DIMENSIONS ARE REFERENCE ONLY.
 2. PRODUCT TYPE: NORMALLY OPEN RELAY.
 3. MATERIALS AND FINISH:
 - 3.1 BASE: PHENOLPLASTIC, UL94V-0.
 - 3.2 CONTACTS: SILVER ALLOY.
 - 3.3 STUD: COPPER ROD.
 4. CONTACT STUD: M8 STUD, RECOMMENDED TORQUE: 7N•m~10N•m.
 5. PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1.
 6. SEE TABLE 2 FOR CONFIGURATION AND PNs.

DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1994.				
PER CHN-PD20-008 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		
DRAWN		NAME	DATE	Expertise Applied Answers Delivered TITLE DCNLJ 125A 48V CONTACTOR
CHECKED		JY. SHI	OCT./8/2021	
		J. LI	OCT./15/2021	
		-	-	
		-	-	DO NOT SCALE DRAWING
		FORM NO.: CVP-PE40-0005 REV B	THIRD ANGLE PROJECTION	
			SIZE C	
		DWG. NO. OUTLINE OL-DCNLJ125NB.CHART	REV. A	
SCALE 1:1			SHEET 1 OF 1	