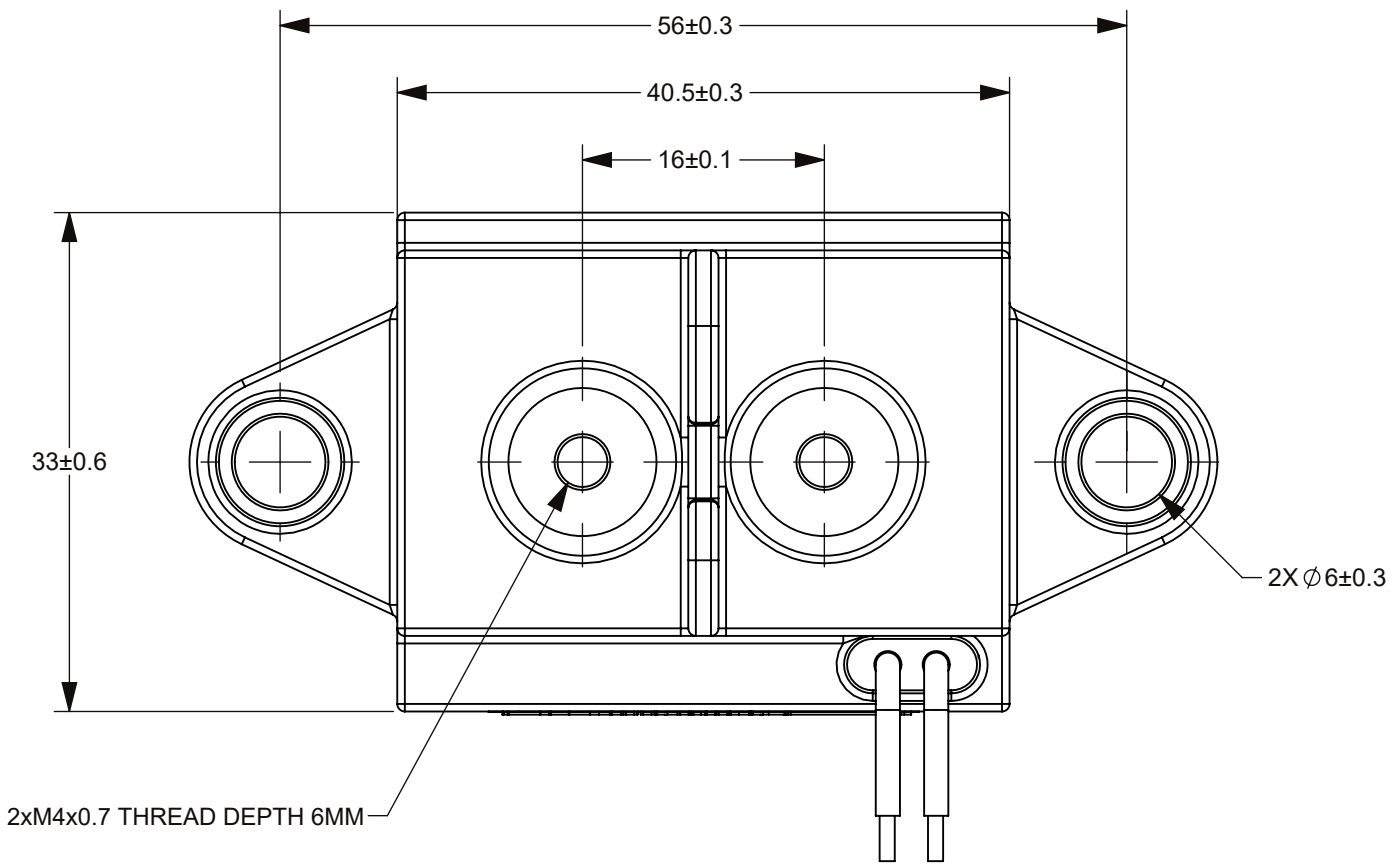
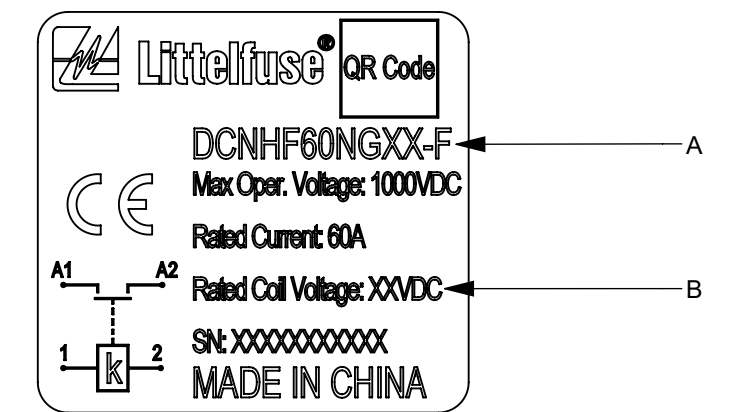
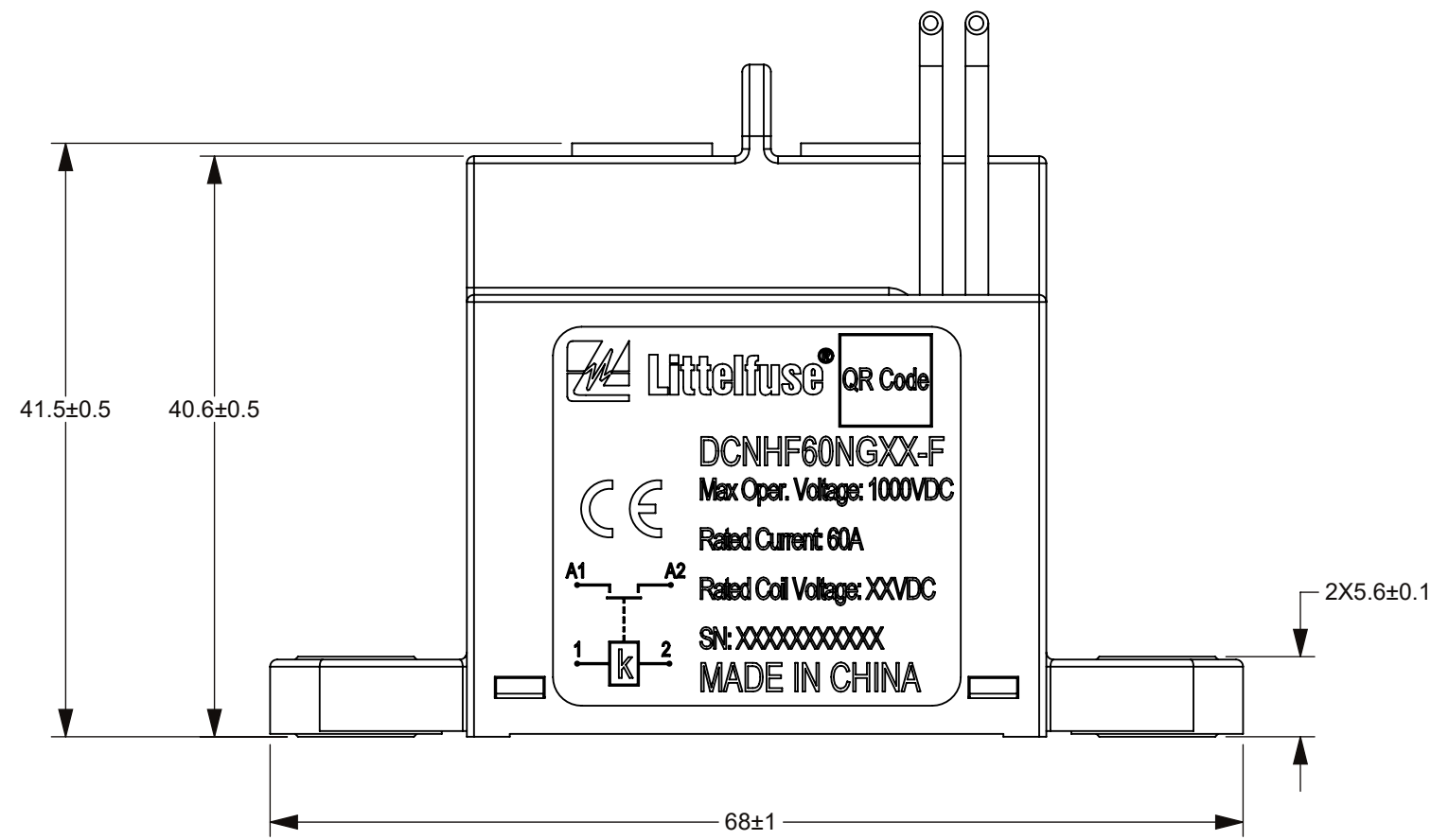
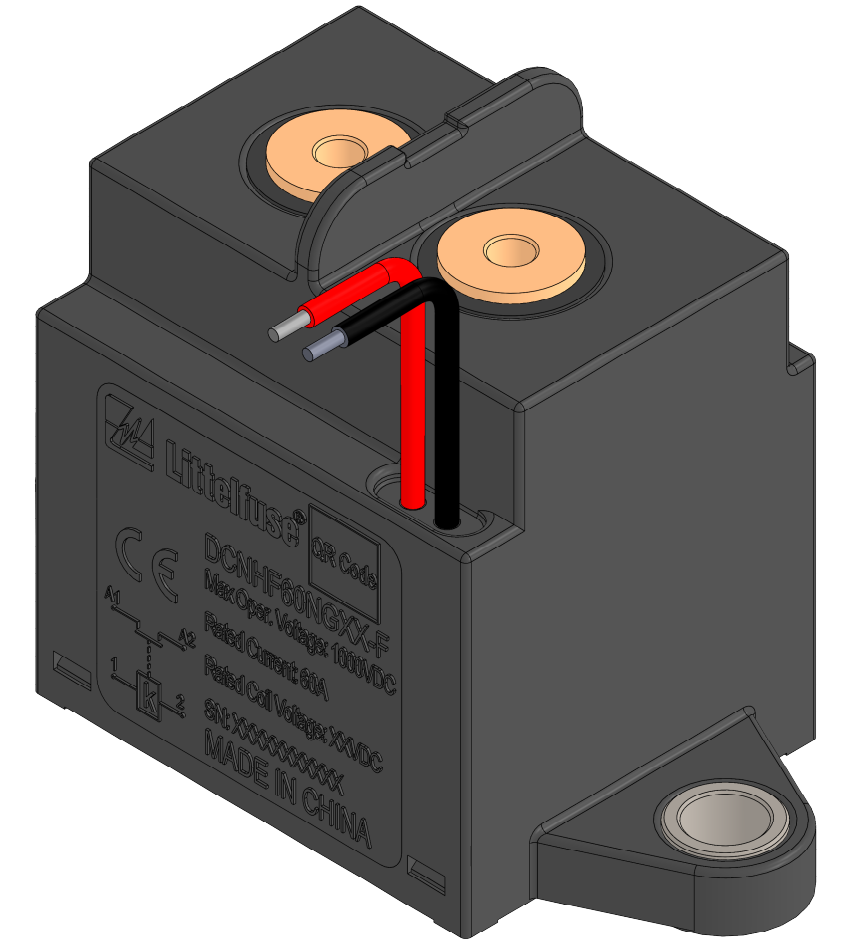
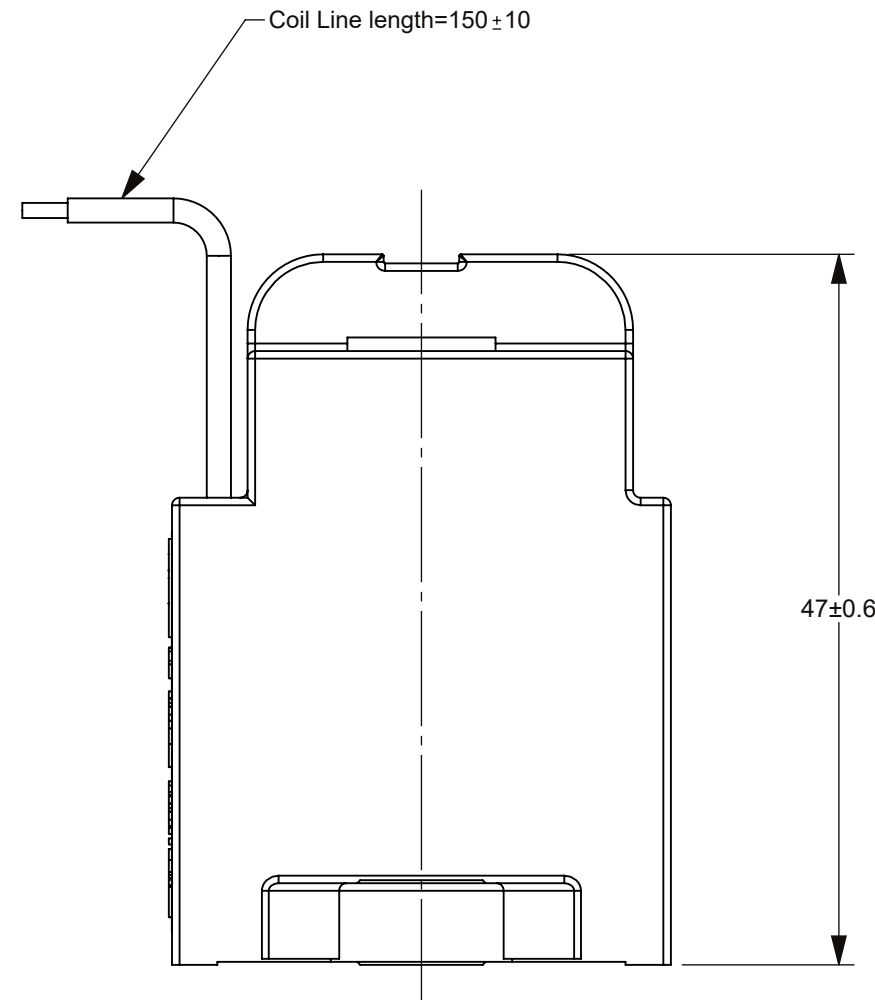
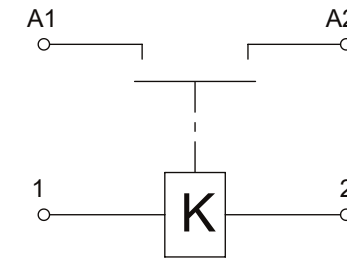


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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	PCO-50000301403 INITIAL RELEASE	MAY./26/2025	D. ZHANG



CIRCUIT SCHEMATIC DIAGRAM



VIEW 1  
SCALE 2:1

PART NUMBER	DCNHF60NG12-F	DCNHF60NG24-F	DCNHF60NG48-F	
Max. SWITCHING VOLTAGE	1,000V DC			
RATED CONTACT CURRENT	60A			
OPERATING VOLTAGE IN COLD STATE @ 25°C	COIL VOLTAGE	12V DC	24V DC	48V DC
	MAX. VOLTAGE	16V DC	32V DC	64V DC
	COIL POWER	4.5W		
	PICK-UP	≤9V	≤18V	≤36V
DROP-OUT	≥1V	≥2V	≥4V	
MAIN CONTACT VOLTAGE DROP	≤80mV@40A			
INSULATION RESISTANCE @ 1,000 VDC (INITIAL)	≥1,000MΩ			
DIELECTRIC STRENGTH	Between open contacts	3,000V AC, 1 MINUTE, LEAKAGE CURRENT≤1 mA		
	Between contacts and coil	4,000V AC, 1 MINUTE, LEAKAGE CURRENT≤1 mA		
MAX BREAK CAPABILITY	400A@300V DC, 1CYCLE			
ELECTRIC LIFE (RESISTIVE LOAD)	1000 CYCLES (60A @ 750V DC)			
	6000 CYCLES (40A @ 750V DC)			
	1000 CYCLES (30A @ 1000V DC)			
MECHANICAL LIFE (NO LOAD, CYCLES)	200,000			

NO.	"A"	"B"	REMARK
1	DCNHF60NG12-F	12VDC	NAMEPLATE(VIEW1)
2	DCNHF60NG24-F	24VDC	
3	DCNHF60NG48-F	48VDC	

NOTES:

- ALL DIMENSIONS ARE REFERENCE ONLY.
- SEE TABLE 2 FOR NAME PLATE AND PNs.
- PRODUCT TYPE: SPST-NO, NON-POLAR CONTACTOR.
- MATERIALS AND FINISH:
  - HOUSING: THERMOPLASTIC PLASTICS.
  - CONTACTS: COPPER ALLOY.
  - CONTACT STUDS: PURE COPPER.
- WEIGHT: ABOUT 160GRAMS.
- MAIN CONTACT M4 STUD, TORQUE: 2~3N·m.
- MOUNTING: M5 BOLT, RECOMMENDED TORQUE 3 N·m ~ 4 N·m.
- RoHS COMPLIANT.

DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSIA/SME Y14.5-1994.	
●	FTI/ 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
NAME	DATE
DRAWN V. ZHANG	MAY./26/2025
CHECKED JY. SHI	MAY./26/2025
FORM NO. CVP-PE40-0005 REV B	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	SCALE 2:1
Expertise Applied   Answers Delivered	
TITLE DCNHF 60A NON-POLAR CONTACTOR	
SIZE C	DWG. NO. OL-DCNHF60NGXX-F,CHT
REV. A	REV. A
SHEET 1 OF 1	