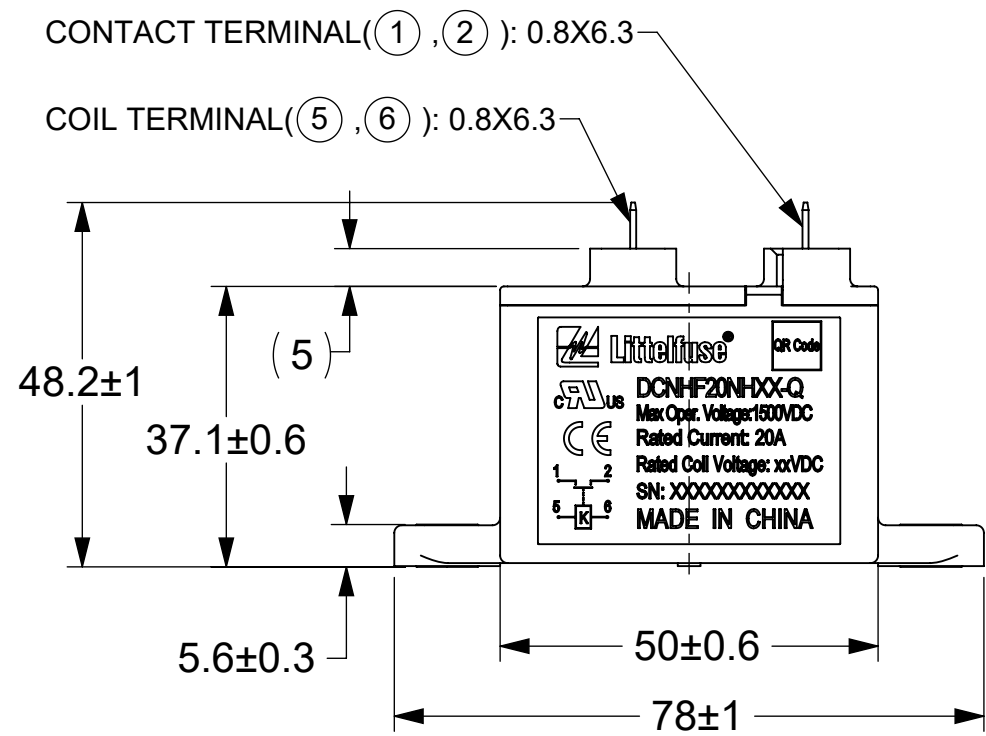
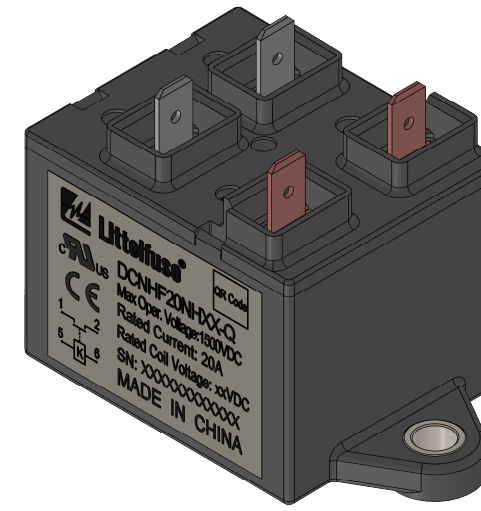
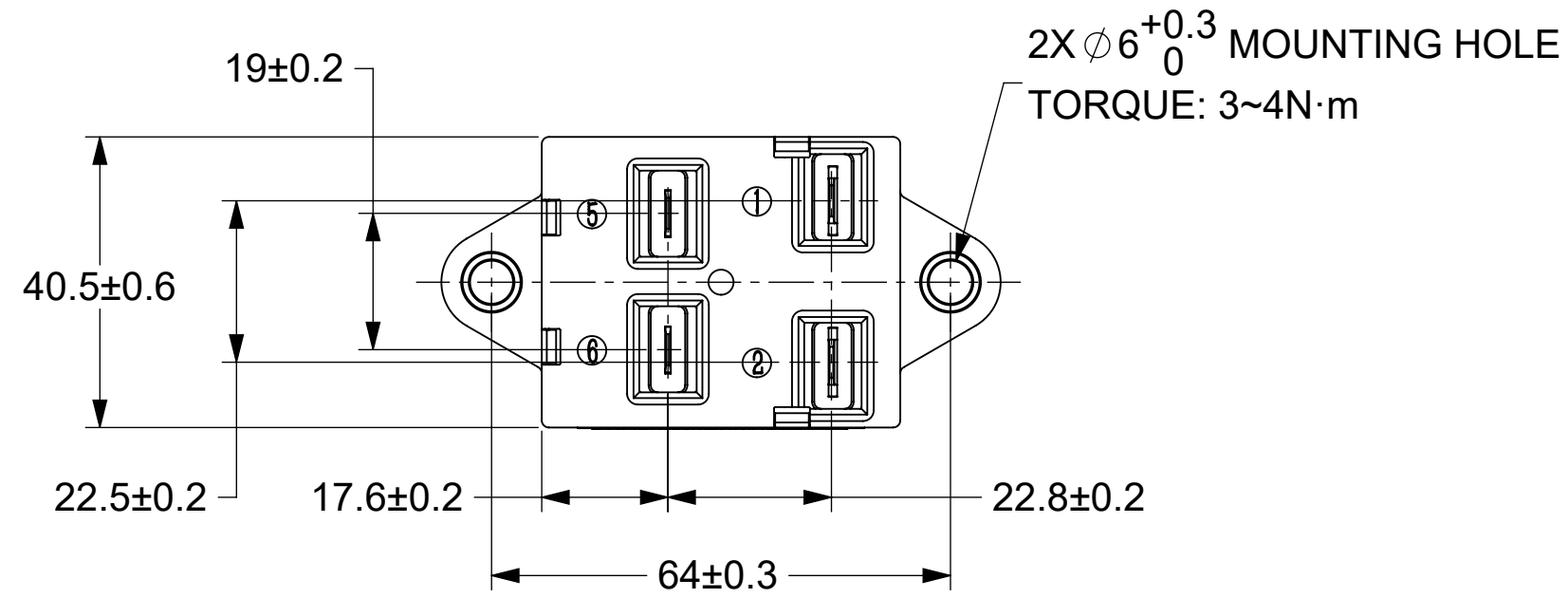


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	PCO-500000301400 INITIAL RELEASE	05/15/2025	D. ZHANG



ELECTRICAL DIAGRAM

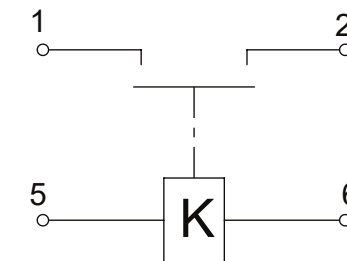


TABLE 1: ENGINEERING DESIGN DATA

ITEM	DATA	
	DCNH20NH12-Q	DCNH20NH24-Q
RATED COIL VOLTAGE	12 VDC	24 VDC
HOLDING CURRENT	MAX 0.275A	MAX 0.1375A
HOLDING POWER	3W	3W
OPERATING VOLTAGE IN COLD STATE AT 25°C	OPERATE	MAX 9 VDC
	RELEASE	MIN 1 VDC
OPERATE TIME	MAX 30ms	
RELEASE TIME	MAX 10ms	
MAIN CONTACT VOLTAGE DROP	80mV@20A	
DIELECTRIC STRENGTH (LEAKAGE CURRENT ≤1 mA)	BETWEEN THE CONTACT AND CONTACT AND COIL: 4000V AC, 50Hz/60Hz, 1min.	
INSULATION RESISTANCE	≥1000MΩ@1000 VDC	
CONTACT VOLTAGE RANGE	6 VDC~1500 VDC	
SHOCK(½ SINE, WAVE), PEAK	20G	
OPERATING TEMP	-40°C ~ +85°C	
ELECTRICAL LIFE (RESISTIVE LOAD)	6000 CYCLES (15A @ 1500V DC); 10000 CYCLES ONLY MAKE (40A @ 1500V DC)	
MECHANICAL LIFE	200,000 CYCLES	

NOTES:

1. ALL SIZES ARE FOR REFERENCE ONLY.
2. MATERIALS AND FINISHED:
  - 2.1 HOUSING: THERMOPLASTIC PLASTIC, UL94V-0.
  - 2.2 CONTACTS: COPPER ALLOY.
3. PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1.
4. MAIN CONTACT ARRANGEMENT: SPST-NO.
5. CERTIFICATIONS: UL, CE.
6. RoHS COMPLIANT.
7. APPROX WEIGHT 160g.

DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME 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 MJ. DAI	05/16/2025
CHECKED D. ZHANG	05/16/2025
Littelfuse Expertise Applied   Answers Delivered	
FORM NO. CVP-PE40-0005 REV B	TITLE DCNH20A CONTACTOR
THIRD ANGLE PROJECTION	
SIZE C	DWG. NO. OL-DCNH20NHXX-Q, CHT
DO NOT SCALE DRAWING	SCALE 1:1
	REV. A
	SHEET 1 OF 1