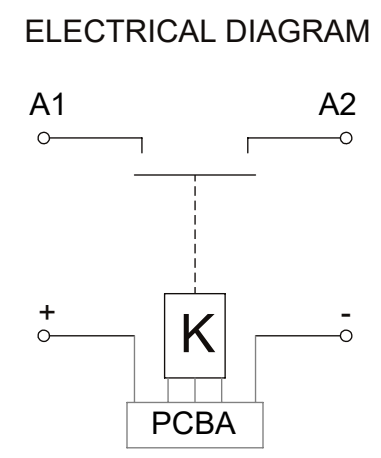
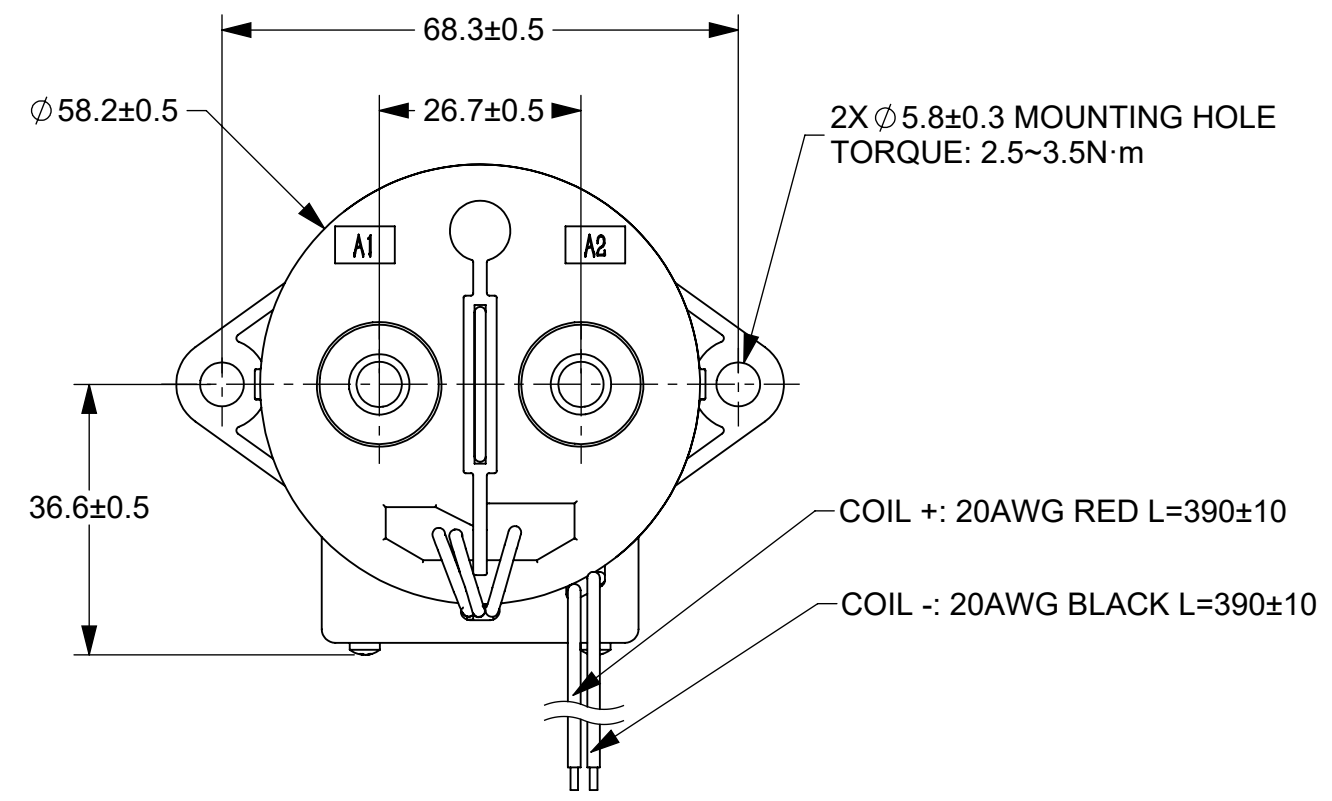


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	PCO: 5301405, INITIAL RELEASE	08/15/2025	D. ZHANG



- NOTES:
- ALL SIZES ARE FOR REFERENCE ONLY.
 - MATERIALS AND FINISHED:
 - HOUSING: THERMOPLASTIC, UL94-V0.
 - CONTACTS: COPPER ALLOY.
 - PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1.
 - MAIN CONTACT ARRANGEMENT: SPST-NO, NON-POLAR.
 - CERTIFICATIONS: CE.
 - RoHS AND REACH COMPLIANT.
 - APPROX WEIGHT 650g.

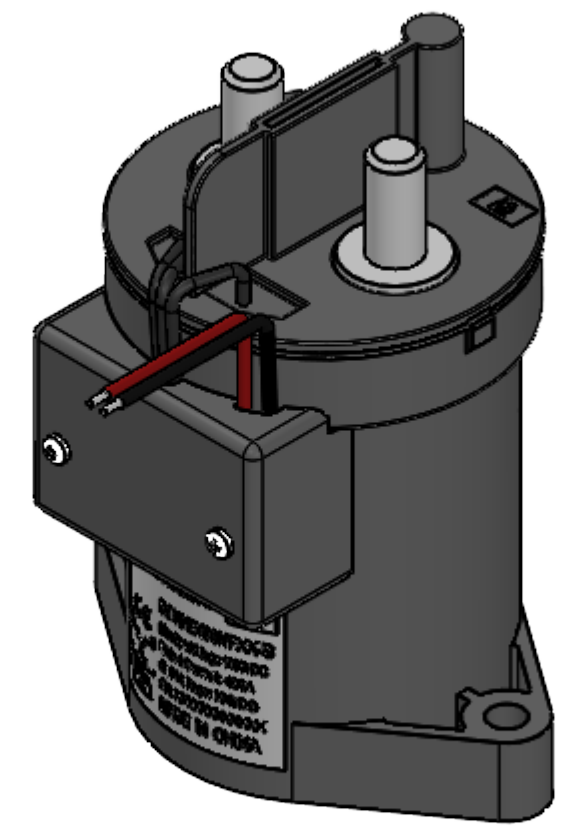
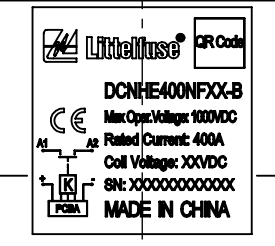
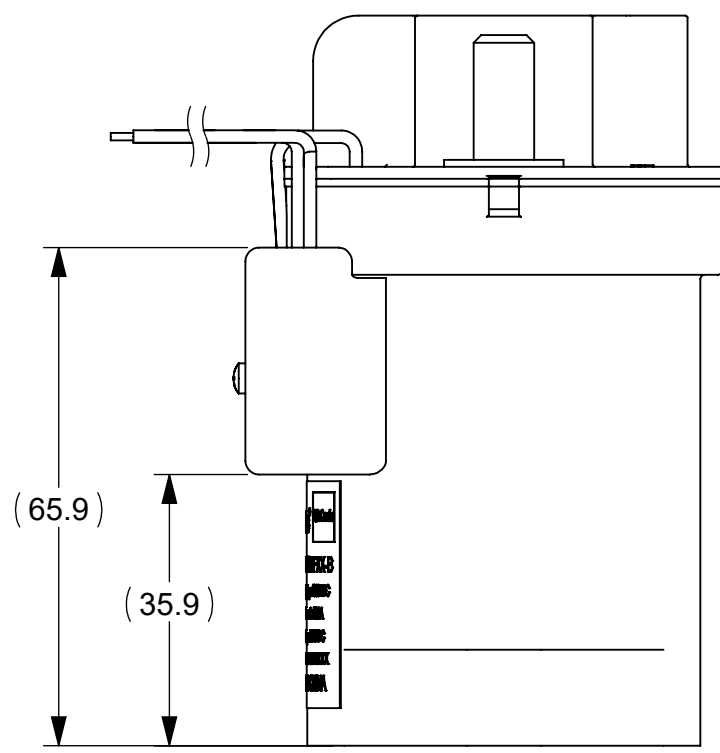
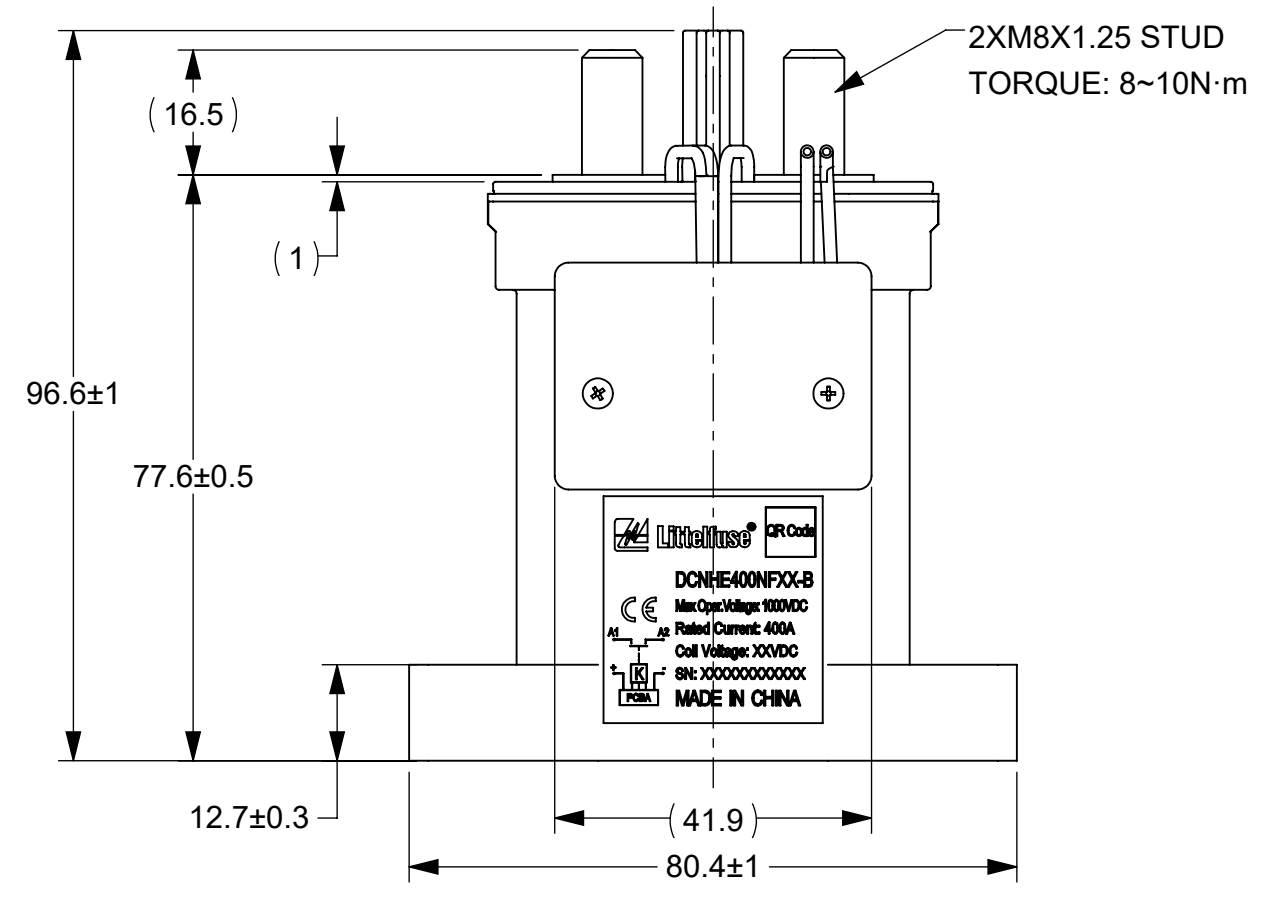


TABLE 1: ENGINEERING DESIGN DATA

ITEM	DATA	
	DCNHE400NF12-B	DCNHE400NF24-B
RATED COIL VOLTAGE	12 VDC	24 VDC
STARTING CURRENT(25°C)	MAX 3.8A	MAX 2.2
HOLDING POWER(25°C)	6W	6W
OPERATING VOLTAGE IN COLD STATE AT 25°C	OPERATE	MAX 9 VDC
	RELEASE	MIN 1.2 VDC
OPERATE TIME	MAX 35ms	
RELEASE TIME	MAX 10ms	
MAIN CONTACT VOLTAGE DROP	160mV@400A	
DIELECTRIC STRENGTH (LEAKAGE CURRENT $\leq 1 \text{ mA}$)	BETWEEN THE CONTACT AND CONTACT: 4000V AC, 50Hz/60Hz, 1min. BETWEEN THE CONTACT AND COIL: 2200V AC, 50Hz/60Hz, 1min.	
INSULATION RESISTANCE	100MΩ@1000 VDC	
CONTACT VOLTAGE RANGE	12 VDC~1000 VDC	
CONTACT CONTINUE CURRENT	400A(500A WITH 400MCM CABLE)	
OPERATING TEMP	-40°C ~ +85°C	
MAX. BREAKING CURRENT	2500A@320VDC, 1CYCLE	
ELECTRICAL LIFE (RESISTIVE LOAD)	1000 CYCLES (100A @ 1000V DC); 2400 CYCLES (400A @ 450V DC); 6000 CYCLES (300A @ 450V DC)	
MECHANICAL LIFE	300, 000 CYCLES	

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	08/16/2025
CHECKED D. ZHANG	08/16/2025
Littelfuse Expertise Applied Answers Delivered	
FORM NO. CVP-PE40-0005 REV B	
THIRD ANGLE PROJECTION	
SIZE C	DWG. NO. OUTLINE OL-DCNHE400NFXX-B, CHART
DO NOT SCALE DRAWING	SCALE 1:1
SHEET 1 OF 1	