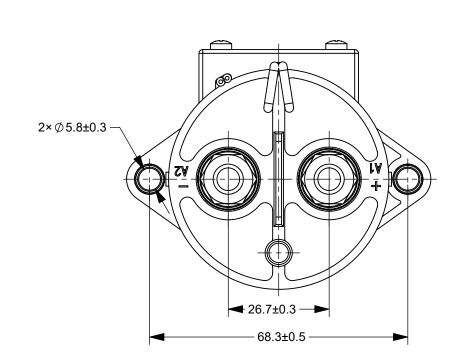
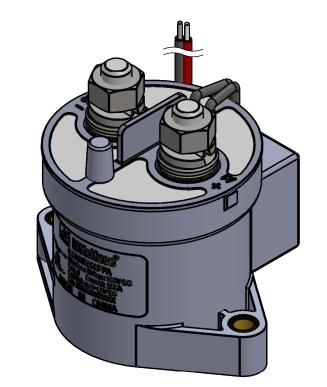
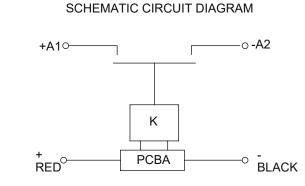
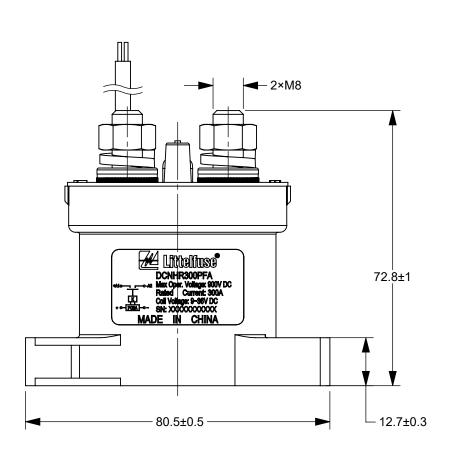
REVISIONS						
ZONE	REV.	DESCRIPTION	DATE	APPROVED		
	Α	GCF#524671 INITIAL RELEASE	JUL./28/2021	D. ZHANG		

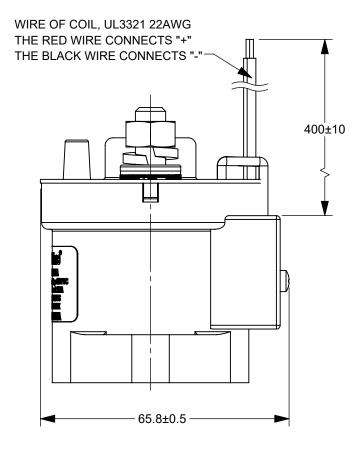


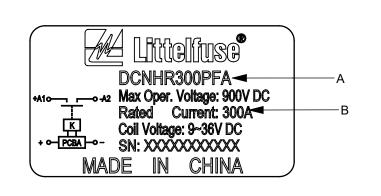






CONTINUOUS





3

SCALE 2:1

	TABLE 2							
NO.	PN	"A"	"B"	REMARK				
1	DCNHR150PFA	DCNHR150PFA	Rated Current: 150A					
2	DCNHR200PFA	DCNHR200PFA	Rated Current: 200A					
3	DCNHR250PFA	DCNHR250PFA	Rated Current: 250A					
4	DCNHR300PFA	DCNHR300PFA	Rated Current: 300A					

TABLE 1					
MAX OPER. VC	DLTAGE	900V DC			
	DCNHR150PFA	150A			
RATED	DCNHR200PFA	200A			
CONTACT CURRENT	DCNHR250PFA	250A			
	DCNHR300PFA	300A			
COIL VOLTA	AGE	9~36V DC			
OPERATING VOLTAGE	PICK-UP	9V MAX			
IN COLD STATE @ (23±5)°C	DROP-OUT	6V MIN			
OPERATE T	IME	25ms			
CONTACT BOUN	ICE TIME	7ms			
RELEASE T	IME	12ms			
MAIN CONTACT RESIS	TANCE(@ 20A)	≤2mΩ			
INSULATION RESISTANCE	@ 500 V (INITIAL)	≥100MΩ			
DIELECTRIC STRENGTH (LEA	KAGE CURRENT≤1 mA)	2200V AC, 1 MINUTE			
	DCNHR150PFA	5000 CYCLES (150A @ 450V DC)			
ELECTRIC LIFE	DCNHR200PFA	3500 CYCLES (200A @ 450V DC)			
ELECTRIC LIFE	DCNHR250PFA	1500 CYCLES (250A @ 450V DC)			
	DCNHR300PFA	600 CYCLES (300A @ 450V DC)			
MECHANICAL LIFE (NO	LOAD, CYCLES)	200,000			

WORKING DUTY

8

NOTES:

- 1. ALL DIMENSIONS ARE REFERENCE ONLY.
- 2. SEE TABLE 2 FOR NAME PLATE AND PNs
- 3. PRODUCT TYPE: SPST-NO, POLAR CONTACTOR.
- 4. MATERIALS AND FINISH:
- 4.1 HOUSING: THERMOPLASTIC PLASTICS.
- 4.2 CONTACTS: COPPER ALLOY.
- 4.3 CONTACT STUDS: COPPER ALLOY.
- 4.4 COIL TERMINALS: XLPE INSULATION WIRE(HALOGEN FREE) UL3321 22AWG.
- 5. MAIN CONTACT M8 STUD, TORQUE: 8~12N•m.
- 6. MOUNTING: M5 BOLT, RECOMMENDED TORQUE 1.8 N·m ~ 3.5 N·m.
- 7. CONTACTOR PARAMETERS ARE SHOWN IN TABLE 1.
- 8. THE COIL AND CONTACT OF THE CONTACTOR ARE POLAR, SO THE CONNECTION OF THE COIL
- AND CONTACT SHOULD BE OPERATED ACCORDING TO THE SCHEMATIC CIRCUIT DIAGRAM.

DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1994. FIT/ FUNCTION CRITICAL CHARACTERISTICS SAFETY/ COMPLIANCE CRITICAL CHARACTERISTICS SYMBOL CPK DENOTES CPK DIMENSIONS MINIMUM CPK VALUE 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 RAWN JY. SHI JUL./15/202 JUL./21/202 CHECKED J. LI Expertise Applied Answers Delivered DCNHR 9-36V COIL POLAR FORM NO: CVP-PE40-0005 REV B CONTACTOR THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING | SCALE 1:1

2

SIZE DWG. NO. OL-DCNHR300PFA, CHART A

SHEET 1 OF 1

7 6 5 4

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