

7₹

8

(4×R2.25)-

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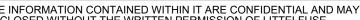
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D

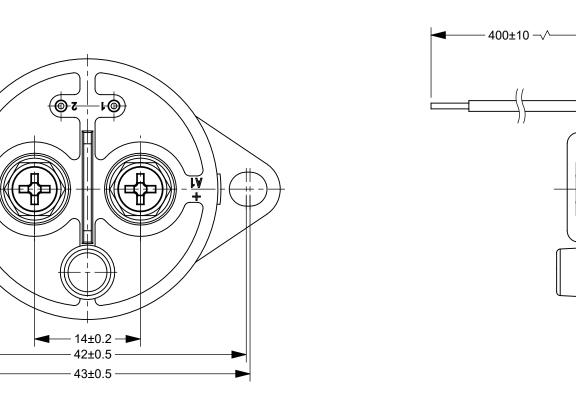
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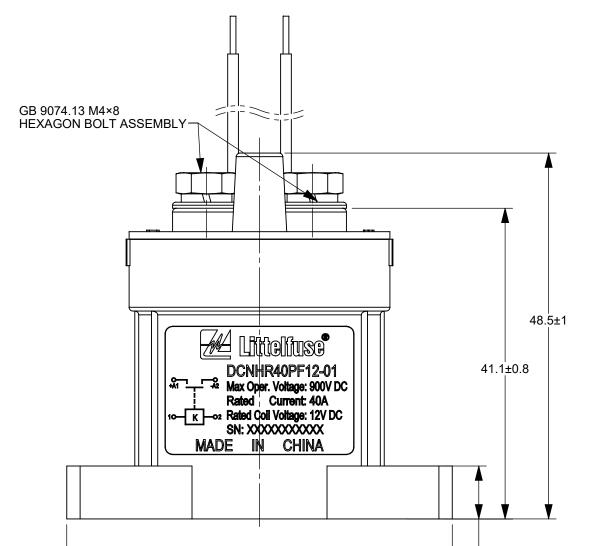


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└─ 7±0.2

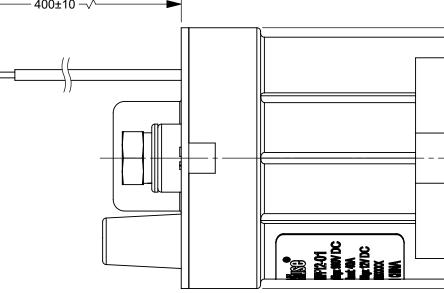
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- 51±0.5 -

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	TABLE 1					
	PN		DCNHR30PF12-01	DCNHR40PF24-01 DCNHR30PF24-01 DCNHR20PF24-01	DCNHR30PF48-01	
	MAX OPER. V	OLTAGE	900V DC			
в	RATED CONTAC	T CURRENT	DCNHR40PF SERIES: 40A DCNHR30PF SERIES: 30A DCNHR20PF SERIES: 20A			
	COIL RATED	/OLTAGE	12V DC	24V DC	48V DC	
	OPERATING VOLTAGE IN	OPERATE	9V DC MAX	18V DC MAX	36V DC MAX	
	COLD STATE @ (23±5)°C	RELEASE	1V DC MIN	2V DC MIN	4V DC MIN	
	OPERATE	TIME	25ms MAX			
	CONTACT BOL	INCE TIME	7ms MAX			
	RELEASE	TIME	12ms MAX			
	MAIN CONTACT RES	ISTANCE(@ 20A)	≤2mΩ			
	INSULATION RESISTANC	CE @ 500 V (INITIAL)	≥100MΩ			
	DIELECTRIC STRENGTH (LEAKAGE CURRENT≤1 mA)		2200V AC, 1 MINUTE			
		DCNHR40PF SERIES	6000 CYCLES (40A @ 450V DC)			
A	ELECTRIC LIFE	DCNHR30PF SERIES	7500 CYCLES (30A @ 450V DC)			
		DCNHR20PF SERIES	5 10000 CYCLES (20A @ 450V DC)			
	MECHANICAL LIFE(NO LOAD, CYCLES)		200, 000			
	WORKING	DUTY	CONTINUOUS			

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Ø34.5±0.5

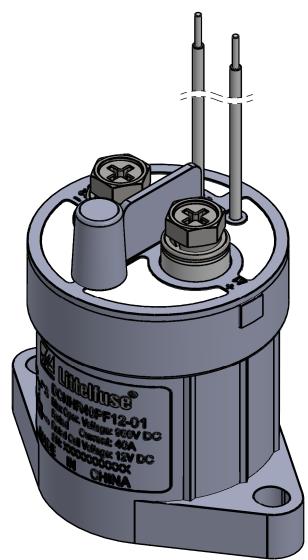


	 TABLE 2 (CONFIGURATION) 						
NO.	PN	"A"	"B"	"C"	REMARK		
1	DCNHR40PF12-01	DCNHR40PF12-01		Coil Voltage: 12V DC			
2	DCNHR40PF24-01	DCNHR40PF24-01	Rated Current: 40A	Coil Voltage: 24V DC			
3	DCNHR40PF48-01	DCNHR40PF48-01		Coil Voltage: 48V DC			
4	DCNHR30PF12-01	DCNHR30PF12-01		Coil Voltage: 12V DC			
5	DCNHR30PF24-01	DCNHR30PF24-01	Rated Current: 30A	Coil Voltage: 24V DC			
6	DCNHR30PF48-01	DCNHR30PF48-01		Coil Voltage: 48V DC			
7	DCNHR20PF12-01	DCNHR20PF12-01		Coil Voltage: 12V DC			
8	DCNHR20PF24-01	DCNHR20PF24-01	Rated Current: 20A	Coil Voltage: 24V DC			
9	DCNHR20PF48-01	DCNHR20PF48-01		Coil Voltage: 48V DC			

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: STAINLESS STEEL.

4.4 COIL TERMINALS: TEFLON WIRE UL1332 22AWG-WHITE.

5

5. MAIN CONTACT M5 STUD, TORQUE: 1.7~2N•m.

6. MOUNTING: M4 BOLT, RECOMMENDED TORQUE 1.8 ~ 2.3N•m.

7. CONTACTOR PARAMETERS ARE SHOWN IN TABLE 1.

2

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	А	GCF#524714 INITIAL RELEASE	NOV./25/2021	D. ZHANG

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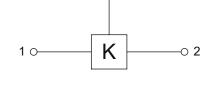
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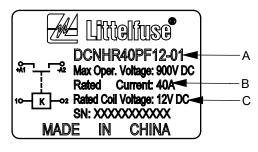
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CIRCUIT SCHEMATIC DIAGRAM







3

NAME PLATE

DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1994.								
DURE			FIT/ FUI	NCTION CRIT	ICAL CHARACTERISTICS			
OCEL	<s< td=""><td>></td><td colspan="5">SAFETY/ COMPLIANCE CRITICAL CHARACTERISTICS SYMBOL</td></s<>	>	SAFETY/ COMPLIANCE CRITICAL CHARACTERISTICS SYMBOL					
08 PR	CP	'K	DENOTES CPK DIMENSIONS MINIMUM CPK VALUE					
CHI-NPD20-0008 PROCEDURE	(S ⁻	T)	DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE.PROCEDURE FOR MEASUREMENTAND TRACKINGTO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS					
PER CHI-	С	D	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 J		JY. S	вні	NOV./5/2021	Littelfuse [®]			
CHECKED J.		J. LI		NOV./15/2021				
-			-	Expertise Applied Answers	Delivered			
		-		-	TITLE DONUD 404 DC			
F	FORM NO: CVP-PE40-0005 REV B			005 REV B	DCNHR 40A POLAR CONTACTOR			
	THIRD ANGLE PROJECTION			JECTION				
				C DWG. NO. OUTLINE OL-DCNHR40PF,	CHART 2 A			
D	DO NOT SCALE DRAWING			RAWING	SCALE 2:1	SHEET 1 OF 1		

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