3 2 THIS DRAWING AND THE INFORMATION CONTAINED WITHIN IT ARE CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF LITTELFUSE. REVISIONS ZONE REV. DESCRIPTION APPROVED DATE GCF#523779 INITIAL RELEASE Jun./20/2021 D. ZHANG 1B ECR#524964 CORRECT TYPO: $50M\Omega$ WAS $2M\Omega$ 4/1/2022 D. ZHANG (31) (65)CIRCUIT SCHEMATIC DIAGRAM (29) Ε - 64±1 -- 80±1 -2×M10×1.5 CONTACT STUD (SEE NOTE 3.2) TECHNICAL PARAMETERS 1 -2×M4×0.7 COIL STUD (SEE NOTE 3.2) ITEM PARAMETER RATED COIL VOLTAGE 24V DC (22) CXXXXXX **HOLD POWER** MAX15W PICKUP: 16.8V DC MAX OPERATING VOLTAGE IN COLD STATE AT (20±5)°C RELEASE: 2V DC MIN (26.7) (91) OPERATE TIME MAX 40ms RELEASE TIME MAX 20ms **BOUNCE TIME** MAX 5ms DCNLM400NB24 (2.5) RATED CONTACT VOLTAGE 48V DC (33.3) MAXIMUM CONTACT 60V DC VOLTAGE $-2x \phi 6.5^{+0.3}_{0}$ MOUNTING HOLE RATED CONTACT CURRENT 400A (SEE NOTE 3.3) CONTACT VOLTAGE DROP ≤50mV@100 A 63±0.5 -LIMIT BREAKING ABILITY 4le/5ms,1CYCLES -(104)-1000V AC, 50Hz,1min,LEAKAGE CURRENT ≤1 mA DIELECTRIC STRENGTH ≥50MΩ@500VDC INSULATION RESISTANCE ELECTRIC LIFE 6000 CYCLES MECHANICAL LIFE 100,000 CYCLES CONTINUOUS WORKING DUTY NOTES: DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1994. 1. ALL SIZES ARE FOR REFERENCE ONLY. FIT/ FUNCTION CRITICAL CHARACTERISTICS 2. MATERIALS AND FINISHED PRODUCTS: <S> SAFETY/ COMPLIANCE CRITICAL CHARACTERISTICS SYMBOL 2.1 BASE: THERMOSETTING PLASTIC, UL94V-0. CPK DENOTES CPK DIMENSIONS MINIMUM CPK VALUE 2.2 CONTACTS: SILVER ALLOY. DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE.PROCEDURE FOR MEASUREMENTAND TRACKINGTO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS 2.3 COIL STUD: COPPER ALLY, SILVER PLATED. 3. PRODUCT TECHNICAL PARAMETERS: SEE TABLE 1. DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED 3.1 CONTACT ARRANGEMENT: SPST-NO. TO ALLOW FOR MAXIMUM TOOL LIFE 3.2 CONNECTION TERMINAL: MAIN CONTACT TERMINAL M10 STUD; COIL TERMINAL M4 STUD; M10 NUT MOUNTING NAME DATE TORQUE: 15 N·m ~ 18 N·m; M4 NUT MOUNTING TORQUE: 1.7N·m ~ 2.5N·m. AWN MJ. DAI 3.3 MOUNTING BOLT M6. TORQUE 6N•m-8N•m. CHECKED J. LI Jun./25/202 Expertise Applied Answers Delivered FORM NO: CVP-PE40-0005 REV B DCNL 400A 48V 24V COIL CONTACTOR THIRD ANGLE PROJECTION

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SIZE DWG. NO. OL-DCNLM400NB24

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DO NOT SCALE DRAWING | SCALE 1:1

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SHEET 1 OF 1

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