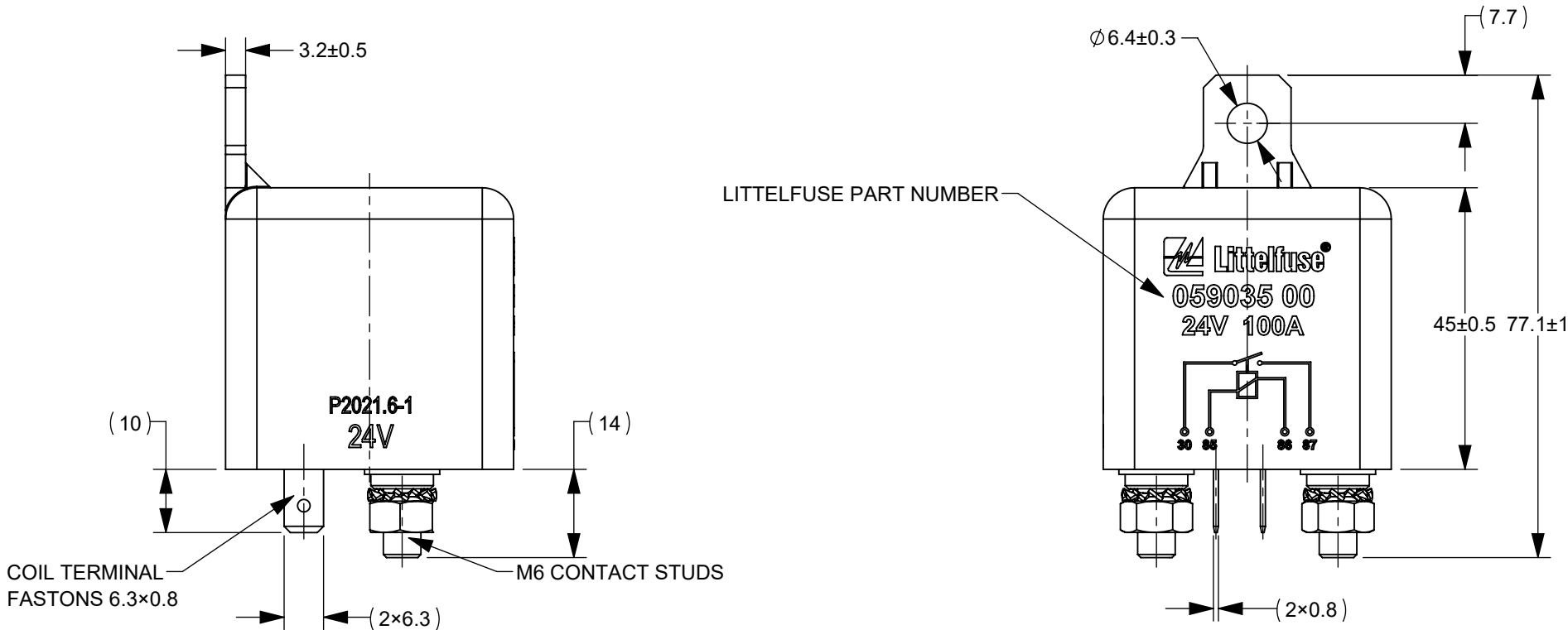
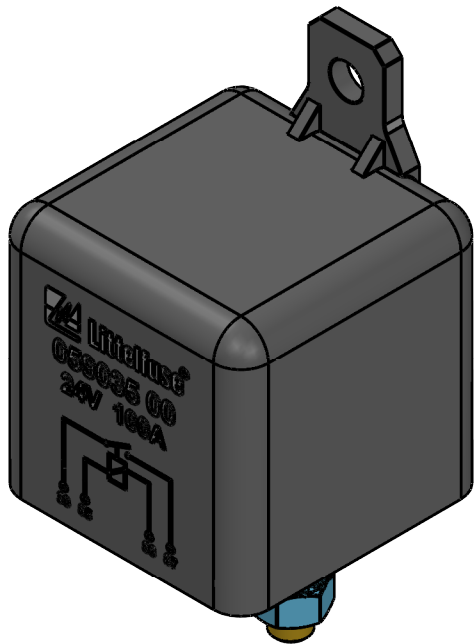


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	GCF#524055 INITIAL RELEASE	Jun./29/2021	D. ZHANG
A6, B8, D8	B	ECR#525201 UPDATED RELAY PARAMETERS	MAY./11/2022	D. ZHANG



CIRCUIT SCHEMATIC DIAGRAM

TABLE 1 (RELAY PARAMETERS)		
CONTACT VOLTAGE		MAX 24V DC
RATED CONTACT CURRENT	100A	
RATED COIL VOLTAGE		24V DC
MAX ALLOWED COIL VOLTAGE		28.8V DC
NOMINAL OPERATING POWER		4W
PICK-UP VOLTAGE (@ 20°C~25°C)		MAX 18V DC
DROP-OUT VOLTAGE (@ 20°C~25°C)		MIN 2V DC
CONTACT VOLTAGE DROP		≤40mV@40 A
OPERATE TIME		MAX 15ms
RELEASE TIME		MAX 10ms
DIELECTRIC STRENGTH		1000VAC 50Hz 1MINUTE, LEAK CURRENT≤1mA
INSULATION RESISTANCE		≥100MΩ@500V DC
ELECTRICAL LIFE (CYCLES)	100A @ 24V DC	100,000
MECHANICAL LIFE (CYCLES)	NO LOAD	1,000,000

- NOTES:
1. ALL DIMENSIONS ARE REFERENCE ONLY.
 2. PRODUCT TYPE: NORMALLY OPEN RELAY.
 3. MATERIAL:
 - 3.1 HOUSING: THERMOPLASTIC PLASTICS.
 - 3.2 CONTACTS: SILVER ALLOY.
 - 3.3 CONTACT STUDS: COPPER ALLOY.
 - 3.4 COIL TERMINALS: COPPER ALLOY.
 4. CONNECTION STUD: M6 STUD, RECOMMENDED TORQUE: 3N•m~4.5N•m.
 5. RELAY PARAMETERS ARE SHOWN IN TABLE 1.

DIMENSIONS ARE SHOWN IN MILLIMETERS. DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ANSI/ASME Y14.5-1994.				
PER CHNPD20-008 PROCEDURE		FIT/ 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 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	
DRAWN		JY. SHI	Jun./20/2021	
CHECKED		J. LI	Jun./25/2021	
		-	-	
		-	-	
FORM NO. CVP-PE40-0005 REV B		 Littelfuse® Expertise Applied Answers Delivered		
THIRD ANGLE PROJECTION				
 		TITLE DDCNJ 100A 24V, 24V COIL RELAY		
DO NOT SCALE DRAWING		SIZE C	DWG. NO. OUTLINE	REV. B
		SCALE 1:1	OL-05903500	SHEET 1 OF 1