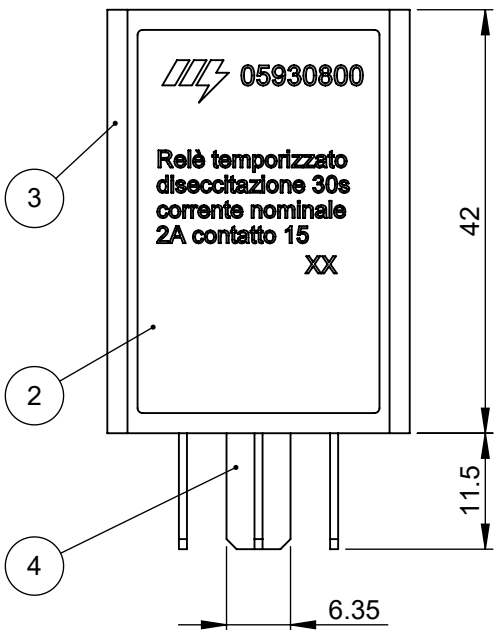




The diagram shows a 24V battery charger circuit. A 24V output load is connected to a 24V battery. The 24V battery is connected to a 53M(30) resistor, which is in series with a 53S(87a) diode. The diode is connected to a T(85) transistor. The transistor is connected to a control switch, which is in series with a 31(86) resistor. The control switch is connected to a 12V battery. The 12V battery is connected to a 12V battery. The circuit is grounded.

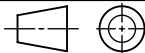
N. contacts	Function
T	85 Negative
31	86 Positive command
15	87 Exit
53M	30 Positive (+30)
53S	Not allocated

4		Male contact	Brass	5	EA
3		Box	Thermoplastic	1	EA
2		Self-adhesive label		2	EA
1		Top cover	Thermoplastic	1	EA
POS.	p/N	DESCRIPTION	MATERIAL	Q.TY	U/M

The top cover must have only the five male terminals of 6.35 therefore the terminal 2.8, designated with the letter I, must be cut.

Nominal working voltage 31(86): 12V continuous voltage
Voltage range 31(86): 9.6 ÷ 16V
Maximum contact current 15(87): 5 A
Nominal contact current: 2 A

Material and treatments:

DIMENSIONS AND TOLERANCES IN MILLIMETERS, DEFINED ACCORDING TO ISO 1101-2017.								
linear dimensions								
0,5 3	>3 6	>6 30	>30 120	>120 400	>400 1000	>1000 2000		
±0,2	±0,3	±0,5	±0,8	±1,2	±2	±3		
angle (for range of lengths)								
up to 10		>10 50		>50 120		>120 400		
±1°30'		±1°		±0°30'		±0°15'		
	FIT/ FUNCTION CRITICAL CHARACTERISTICS SYMBOL							
<S>	SAFETY/ COMPLIANCE CRITICAL CHARACTERISTICS SYMBOL							
CPK	DENOTES CPK DIMENSIONS MINIMUM CPK VALUE							
	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		 Littelfuse® Expertise Applied Answers Delivered				
DRAWN		L. Dal Molin					01-Oct-21	
CHECKED		-					-	
		-					-	
FORM NO: CVP-PE40-0013 REV A				TITLE RELAY FOR TIME-DELAYED DEENERG. 30 SEC.				
FIRST ANGLE PROJECTION								
		SIZE: A3		DWG. NO. OL-05930800		OUTLINE REV. A		
DO NOT SCALE DRAWING				SCALE 2:1		SHEET 1 OF 1		