CIT RELAY & SWITCH™
Division of Circuit Interruption Technology, Inc.

RoHS Compliant

J098

E197851 | 21.5 x 15.8 x 16.5 mm

Features

- Switching capacity up to 6A
- Small size and light weight
- Low coil power consumption
- Up to 48VDC coil voltage
- Strong resistance to shock and vibration

Contact Data*

Contact Arrangement	2A = DPST N.O. 2B = DPDT N.C. 2C = DPDT
Contact Rating	5A @ 277VAC, General Purpose, 100k cycles 6A @ 30VDC, General Purpose, 100k cycles 6A @ 125VAC, Resistive, 100k cycles

Contact Resistance	< 50 milliohms initial
Contact Material	AgNi + Au
Maximum Switching Power	180W 720VA
Maximum Switching Voltage	277VAC, 125VDC
Maximum Switching Current	6A

Coil Data*

Coil Voltage VDC Rated	Coil Voltage VDC Max	Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max) 75% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
12	15.6	240	9.00	1.2	.60	10	5
24	31.2	960	18.00	2.4			
48	62.4	3840	36.00	4.8			

General Data*

Electrical Life @ rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	100M Ω min. @ 500VDC initial
Dielectric Strength, Coil to Contact Contact to Contact	1000V rms min. @ sea level initial 750V rms min. @ sea level initial
Shock Resistance	100m/s^2 for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-40ºC to +85ºC
Storage Temperature	-40ºC to +155ºC
Solderability	260ºC for 5 s
Weight	12g

* *Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.*

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

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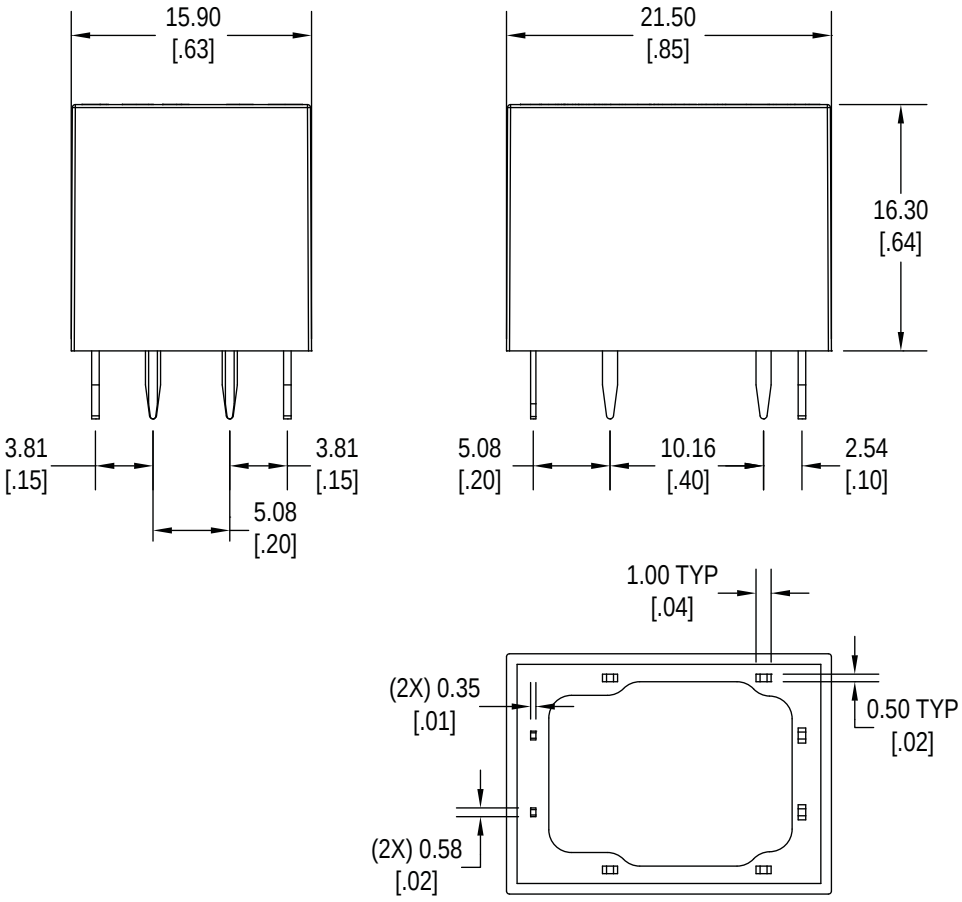
Ordering Information

1. Series	J098	2C	S	12VDC	.60
J098					
2. Contact Arrangement 2A = DPST N.O. 2B = DPST N.C. 2C = DPDT					
3. Sealing Options S = Sealed					
4. Coil Voltage 12VDC 24VDC 48VDC					
5. Coil Power .60 = .60W					

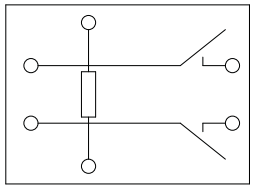
Dimensions

Units = mm

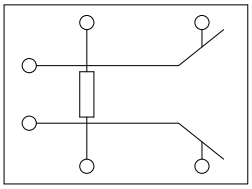


Schematics & PC Layout

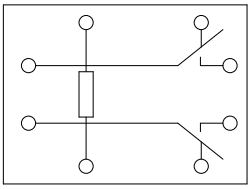
Bottom Views



2A



2B



2C