Additional Resources: Product Page

same sky

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# SERIES: PR29 | DESCRIPTION: POWER RELAY



- 10 amp
- 1 Form A
- class B & class F



MODEL	coil voltage typ (Vdc)	coil resistance (Ω±10%)	operating voltage <sup>1</sup> mìn (Vdc)	release voltage max (Vdc)	continuous voltage max (Vdc)	coil power max (mW)
PR29-3V-S-450	3	20	2.1	0.15	3.9	450
PR29-5V-S-450	5	55	3.5	0.25	6.5	450
PR29-6V-S-450	6	80	4.2	0.30	7.8	450
PR29-9V-S-450	9	180	6.3	0.45	11.7	450
PR29-12V-S-450	12	320	8.4	0.60	15.6	450
PR29-18V-S-450	18	720	12.6	0.90	23.4	450
PR29-24V-S-450	24	1,280	16.8	1.20	31.2	450

Notes: 1. Relay may pull in with less than operating voltage.

2. All specifications are measured at 20°C unless otherwise specified

## PART NUMBER KEY

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Coil Insulation: "blank" = Class B F = Class F

# **COIL SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
coil power	nominal		450		mW
· ·	at pickup voltage		200		mW
coil power continous dissipation	at 20°C			760	mW
temperature rise	at nominal coil voltage		41		к
CONTACT SPECIFIC	ATIONS				
parameter	conditions/description	min	typ	max	units

contact form	1 Form A		
contact material	AgSnO₂ (silver tin oxide)		
contact rating	10 A @ 250 Vac 10 A @ 30 Vdc 1/6 HP @ 125 Vac		
contact resistance		100	mΩ
max switching voltage		250 30	Vac Vdc
max switching current		10	А
max switching power	Vac Vdc	2,50 300	
life	electrical mechanical	100,000 10,000,000	operations operations

## **GENERAL SPECIFICATIONS**

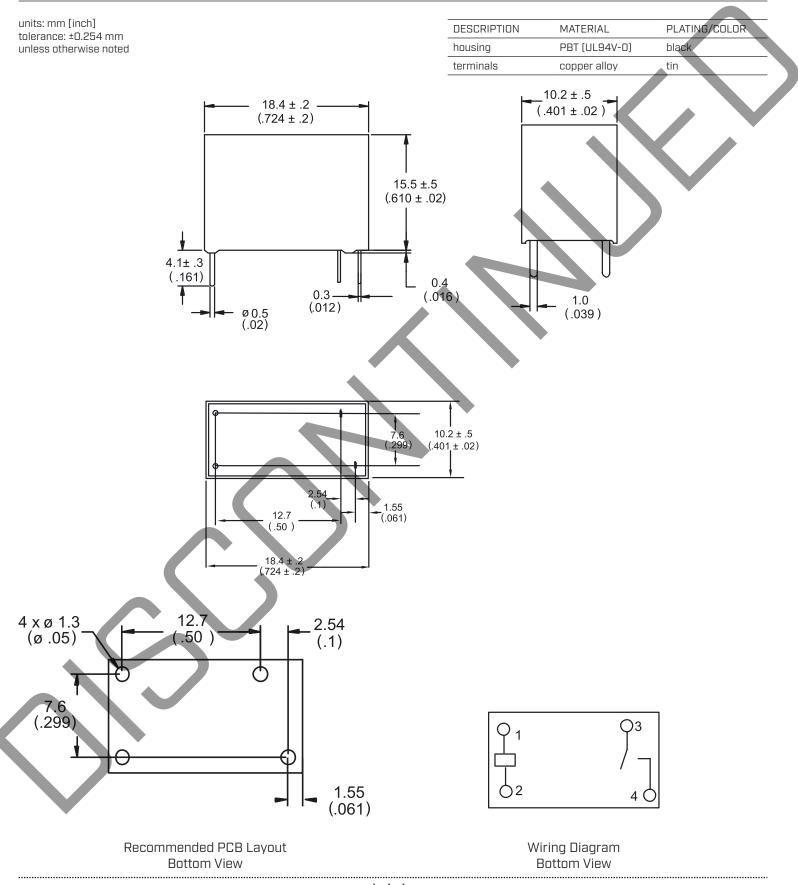
parameter	conditions/description	min	typ	max	units
insulation resistance	at 500 Vdc, 20 °C, 50% RH	1,000			MΩ
dielectric strength	between open contacts at sea level for 1 minute between coil and contacts at sea level for 1 minute		1,000 4,000		Vrms Vrms
operate time	at nominal coil voltage			8	ms
release time	at nominal coil voltage, without coil suppression			4	ms
operating temperature	Class B models at nominal coil voltage Class F models at nominal coil voltage	-40 -40		85 105	°C °C
storage temperature		-40		105	°C
weight			6		g
safety approvals	UL/cUL 508				
flammability rating	UL94V-0				
RoHS	yes				
packaging	tray: 100 pcs per tray carton QTY: 1,000 pcs per carton				

#### SOLDERABILITY

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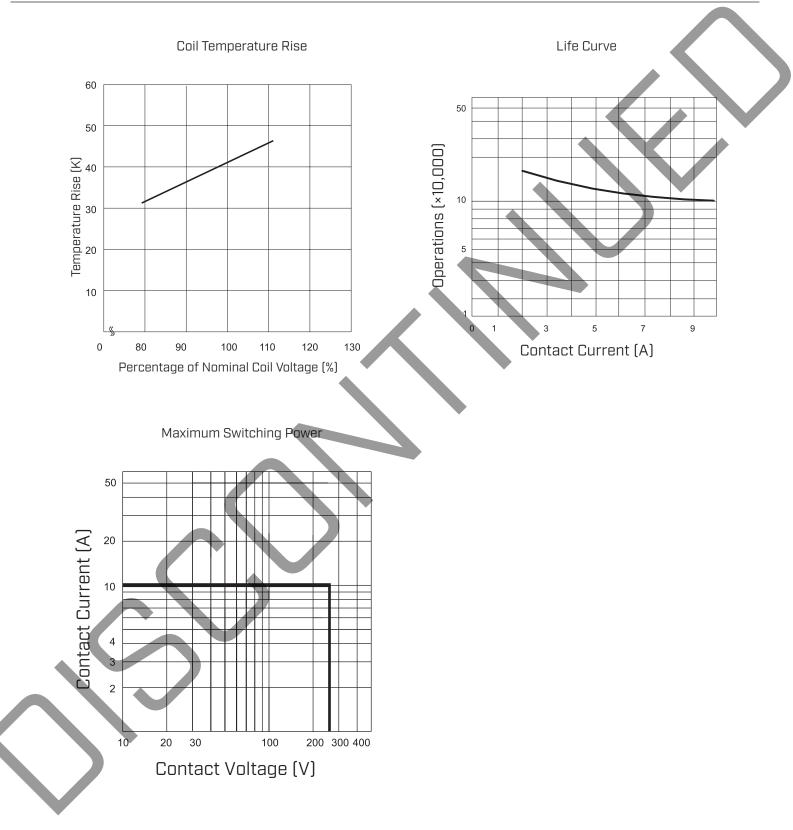
parameter	conditions/description	min	typ	max	units
wave soldering	for max 5 seconds			270	°C
washable	only on epoxy sealed models max imersion time of 30 seconds			80	°C

## **MECHANICAL DRAWING**



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# **CHARACTERISTIC CURVES**



### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	02/14/2024	
1.01	CUI Devices rebranded to Same Sky	09/12/2024	

The revision history provided is for informational purposes only and is believed to be accurate.

Same Sky offers a one [1] year limited warranty. Complete warranty information is listed on our website.

# same sky

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