

SERIES: PR19 | DESCRIPTION: POWER RELAY

FEATURES

- 5V/12V/24V
- SPST
- 250 mW



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MODEL	coil voltage	coil resistance	operating voltage	release voltage	coil power
	typ (Vdc)	(Ω±10%)	min (Vdc)	max (Vdc)	max (mW)
PR19-5V-250-1A	5	100	3.75	0.5	250
PR19-12V-250-1A	12	576	9.0	1.2	250
PR19-24V-250-1A	24	2,304	18.0	2.4	250

Notes: 1. All specifications are measured at 23°C unless otherwise specified.

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PART NUMBER KEY

PR19 - XX - 250 - 1A

Base Number

Coil Voltage (Vdc): 5V = 5 12V = 12 24V = 24

CONTACT SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
contact form	1 Form A				
contact material	Ag alloy				
contact rating	10 A @ 250 Vac 10 A @ 30 Vdc				
contact resistance	at 6 Vdc, 1.0 A			100	mΩ
max switching voltage				250 30	Vac Vdc
max switching current				10	А
max switching power				2,500 300	VA W
min switching load	5 Vdc, 100 mA				
life	electrical mechanical		100,000 2,000,000		operations operations

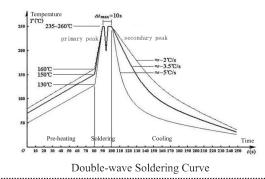
GENERAL SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
insulation resistance	at 500 Vdc	1,000			MΩ
dielectric strength	between open contacts for 1 minute between coil and contacts for 1 minute		1,000 4,000		Vac Vac
operate time				15	ms
release time				8	ms
shock resistance	endurance misoperation		1,000 100		m/s² m/s²
vibration resistance	endurance: 10~55 Hz, 1.5 mm double amplitude misoperation: 10~55 Hz, 1.5 mm double amplitude				
operating temperature		-40		70	°C
humidity	at 40°C	35		95	%RH
weight			10.0		g
safety approvals	UL/cUL 508				
flammability rating	UL94V-0				
RoHS	yes				
packaging	tube: 25 pcs per tube carton size: 340 x 340 x 170 mm carton QTY: 1,000 pcs per carton				

SOLDERABILITY

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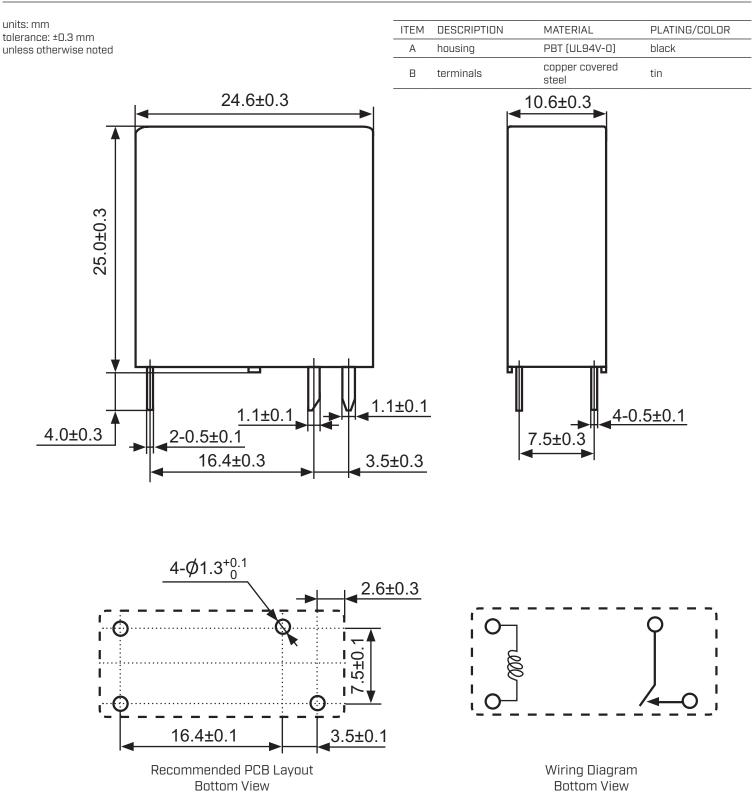
parameter	conditions/description	min	typ	max	units
hand soldering	for 3.5±0.5 seconds	340	350	360	°C
wave soldering	for 10±1 seconds	255	260	265	°C



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MECHANICAL DRAWING

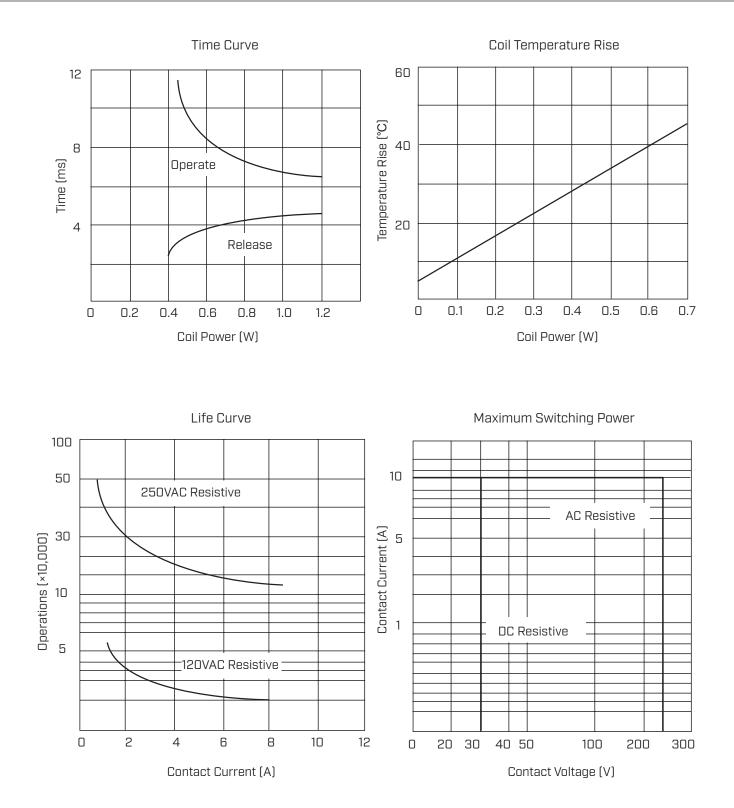
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CHARACTERISTIC CURVES

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REVISION HISTORY

rev.	description	date
1.0	initial release	08/09/2022

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

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.



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