

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





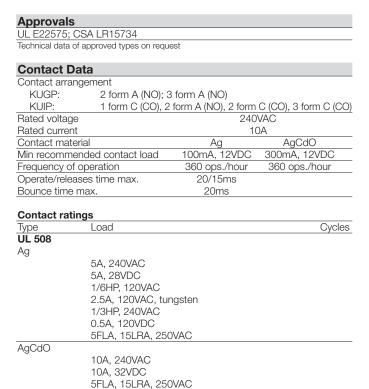




KUIP/KUGP Series Panel Plug-in Relay

- 10 amp rated relays
- 2 Form A (NO) and 1-3 Form C (CO) contact arrangement
- KUIP 8mm coil-to-contact spacing and KUGP 3mm contact gap
- Various mounting and socket styles

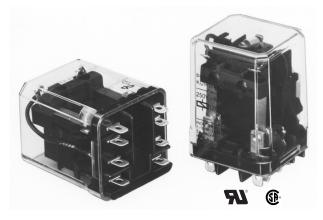
Typical applications Voltage control units



1/2HP, 600VAC		
1HP, 480VAC, 3 phase		
Mechanical endurance	10x10 ⁶ ops.	

1/3HP, 120VAC 5A, 120VAC, tungsten 1/2HP, 250VAC 0.5A, 125VDC 10FLA, 40LRA, 125VAC

3A, 600VAC 1/2HP, 480VAC



Coil vers	sions, DC coil			
Coil	Rated	Operate	Coil	Rated coil
code	voltage	voltage	resistance	power
	VDC	VDC	Ω±10%	W
KUIP				
5	5	3.75	21	1.2
6	6	4.5	32.1	1.125
12	12	9.0	120	1.2
24	24	18.0	472	1.25
48	48	36.0	1800	1.3
110	110	82.5	10000	1.25
KUGP				
5	5	3.75	14	1.8
6	6	4.5	20	1.8
12	12	9.0	80	1.8
24	24	18.0	320	1.8
48	48	36.0	1250	1.85
110	110	82.5	6720	1.8

All figures are given for coil without preenergization, at ambient temperature +23°C

Coil	Rated	Operate	Coil	Rated coi	
code	voltage	voltage	resistance	power	
	VAC	VAC	$\Omega \pm 15\%$	VA	
KUIP 1	and 2 pole				
6	6	5.1	6	2.0	
12	12	10.2	24	2.0	
24	24	20.4	85	2.0	
120	120	102.0	2250	2.1	
240	240	204.0	9110	2.1	
KUIP 3	oole, KUGP				
6	6	5.1	4.2	2.8	
12	12	10.2	18	2.8	
24	24	20.4	72	2.8	
120	120	102.0	1700	2.9	
240	240	204.0	7200	2.9	

All figures are given for coil without preenergization, at ambient temperature +23°C.

Insulation Data	KUIP	KUGP	
Initial dielectric strength			
between open contacts	1200V _{rms}	3500V _{rms}	
between contact and coil	2200V _{rms}	3750V _{rms}	
between adjacent contacts	2200V _{rms}	3750V _{rms}	
Initial insulation resistance			
between insulated elements	100Mg	100MΩ, 500VDC	

Coil insulation system according UL

Coil Data

Coil voltage range

6 to 110VDC

6 to 240VAC

Class B



KUIP/KUGP Series Panel Plug-in Relay (Continued)

O III O I D II II				
Material compliance: EU RoHS/ELV,	China RoHS, REACH, Halogen content			
refer to the Pro	refer to the Product Compliance Support Center at			
www.te.com/customersupport/rohssupportcenter				
Ambient temperature				
DC coil	KUIP: -45°C to 95°C			
	KUGP: -45°C to 75°C (1 & 2 pole)			
AC coil	KUIP: -45°C to 70°C			
	KUGP: -45°C to 70°C (1 & 2 pole)			
Category of environmental protectio	n			
IEC 61810	RTI - dust protected			
Terminal type	Quick connects (QC) .187			
	PCB-THT			
Terminal retention, push force	25 lbs for 3s			

tray/25 pcs., box/150pcs.

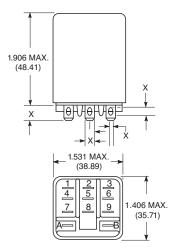
Accessories	6		
For details see datasheet		Sockets and Accessories, KUP Relays	
Product Code	Description		
27E893	DIN socket (use 20C318 clip)		
27E121	Track mount socket (use 20C314 clips)		
27E043	Chassis mount/solder eyelet socket (use 20C254 clip)		
27E046	Chassis mount/Po	CB socket (use 20C254 clip)	
27E067	Chassis mount/qu	uick connect socket (use 20C254 clip)	
27E396	Snap-in/quick cor	nnect socket (use 20C254 clip)	

Dimensions

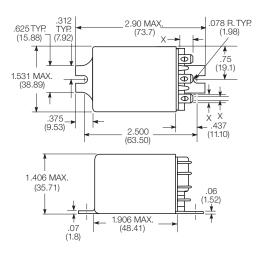
Other Data

Plain case

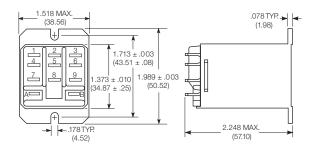
Weight Packaging/unit



Bracket mount case



Top flange case

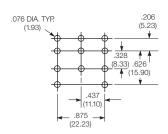


X Is For Terminal Dimensions. See Teminal Drawings.

PCB layout

Bottom view on solder pins

3 Form C shown Omit unncessary holes for other contact forms

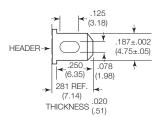




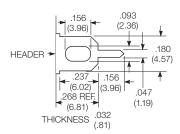
KUIP/KUGP Series Panel Plug-in Relay (Continued)

Terminal dimensions

4.75mm (.187) quick connect

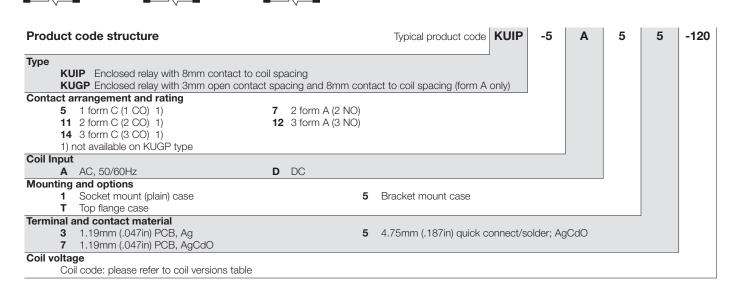


1.19mm (.047) printed circuit



Terminal assignment

1 Form C 2 Form C 3 Form C 3 Form C 3 Form A (delete 1 & 3) 4 5 6 7 8 9 9 9 9



Product Code	Arrangement	Material	Coil	Terminals	Mounting	Part Number
KUGP-7D55-24	2 Form A, 2 NO	AgCdO	24 VDC	4.75mm (.187in) QC	Bracket mount case	2-1393114-4
KUIP-5A55-120	1 Form C; 1 CO		120 VAC			2-1393115-0
KUIP-11D55-12	2 Form C; 2 CO		12 VDC			1-1393115-0
KUIP-11D55-24			24 VDC			1-1393115-1
KUIP-14A15-120	3 Form C; 3 CO		120 VAC		Socket mount, plain case	1-1393115-4
KUIP-14D15-12			12 VDC			1-1393115-6
KUIP-14D15-24			24 VDC			1-1393115-7