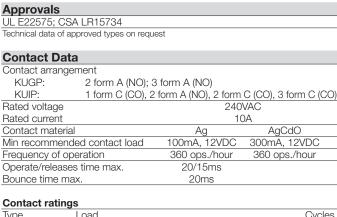


## **KUIP/KUGP Series Panel Plug-in Relay**

- 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



Cycles Type **UL 508** Load

Ag

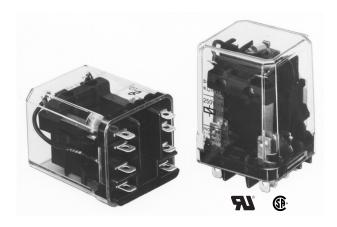
5A, 240VAC 5A, 28VDC 1/6HP, 120VAC 2.5A, 120VAC, tungsten 1/3HP, 240VAC 0.5A, 120VDC 5FLA, 15LRA, 250VAC 10A, 240VAC

AgCdO

10A, 32VDC 5FLA, 15LRA, 250VAC 1/3HP, 120VAC 5A, 120VAC, tungsten 1/2HP, 250VAC 0.5A, 125VDC 10FLA, 40LRA, 125VAC 3A, 600VAC 1/2HP, 480VAC 1/2HP, 600VAC

1HP, 480VAC, 3 phase 10x10<sup>6</sup> ops. Mechanical endurance

Coil Data		
Coil voltage range	6 to 110VDC	
	6 to 240VAC	
Coil insulation system according UL	Class B	



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 coil
code	voltage	voltage	resistance	power
	VAČ VAČ		Ω±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 <sub>rms</sub>	3500V <sub>rms</sub>
between contact and coil	2200V <sub>rms</sub>	3750V <sub>rms</sub>
between adjacent contacts	2200V <sub>rms</sub>	3750V <sub>rms</sub>
Initial insulation resistance		
between insulated elements	100Mg	Ω, 500VDC



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

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content				
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 protection	า			
IEC 61810	RTI - dust protected			
Terminal type	Quick connects (QC) .187			
	PCB-THT			
Terminal retention, push force	25 lbs for 3s			
Weight	85g			

tray/25 pcs., box/150pcs.

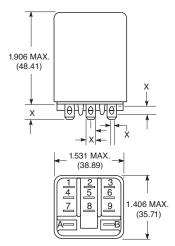
Accessories	6	
For details see	datasheet	Sockets and Accessories, KUP Relays
Product Code	Description	
27E893	DIN socket (use 2	0C318 clip)
27E121	Track mount sock	et (use 20C314 clips)
27E043	Chassis mount/so	older eyelet socket (use 20C254 clip)
27E046	Chassis mount/Po	CB socket (use 20C254 clip)
27E067	Chassis mount/qu	uick connect socket (use 20C254 clip)
27E396	Snap-in/quick cor	nnect socket (use 20C254 clip)

#### **Dimensions**

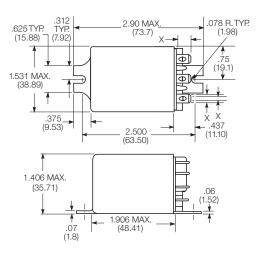
Packaging/unit

**Other Data** 

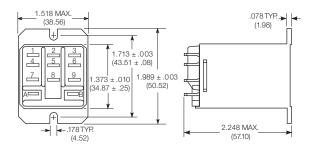
#### Plain case



#### Bracket mount case



## Top flange case

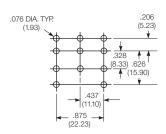


X Is For Terminal Dimensions. See Teminal Drawings.

## PCB layout

Bottom view on solder pins

3 Form C shown Omit unncessary holes for other contact forms

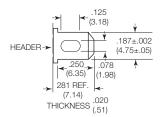




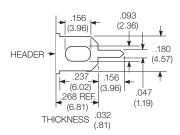
## **KUIP/KUGP Series Panel Plug-in Relay (Continued)**

#### **Terminal dimensions**

4.75mm (.187) quick connect

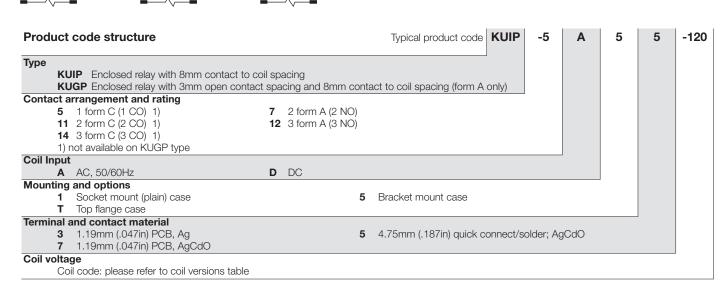


#### 1.19mm (.047) printed circuit



### Terminal assignment

1 Form C 2 Form C 3 Form C 3 Form C 3 Form A (delete 1, 2 & 3)



<b>Product Code</b>	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

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**Authorized Distributor** 

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TE Connectivity: KUGP-7DT5-24