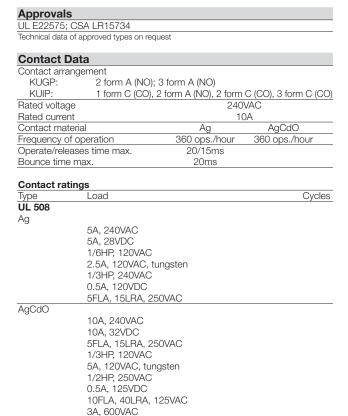


KUIP/KUGP Series Panel Plug-in Relay

- 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

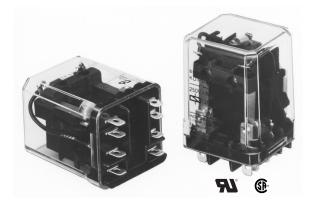
Typical applications Voltage control units



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

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

1HP, 480VAC, 3 phase



Coil versions, 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
	VAC	VAC	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	pole, 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	100Ms	Ω. 500VDC

Mechanical endurance

10x10⁶ ops.



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

Ot	her	D	a	ta
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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

 IEC 61810
 RTI - dust protected

 Terminal type
 Quick connects (QC) .187 PCB-THT

 Terminal retention, push force
 25 lbs for 3s

 Weight
 85g

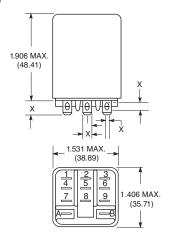
 Packaging/unit
 tray/25 pcs., box/150pcs.

Accessories	3	
For details see	datasheet	Sockets and Accessories, KUP Relays
Product Code	Description	
27E893	DIN socket and	20C318 clip
0==:0:	- -	

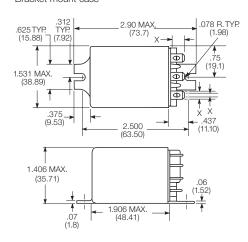
i ioddol oodc	Bescription
27E893	DIN socket and 20C318 clip
27E121	Track mount socket and 20C314 clip
27E043	Chassis mount/solder eyelet socket and 20C254 clip
27E046	Chassis mount/PCB socket and 20C254 clip
27E067	Chassis mount/quick connect socket and 20C254 clip
27E396	Snap-in/quick connect socket and 20C254 clip

Dimensions

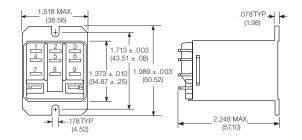
Plain case



Bracket mount case



Top flange case

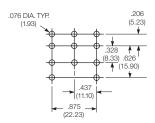


X Is For Terminal Dimensions. See Teminal Drawings.

PCB layout

Bottom view on solder pins

3 Form C shown Omit unncessary holes for other contact forms

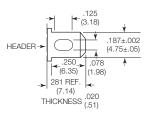




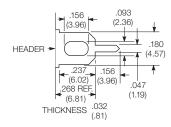
KUIP/KUGP Series Panel Plug-in Relay (Continued)

Terminal dimensions

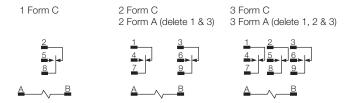
4.75mm (.187) quick connect

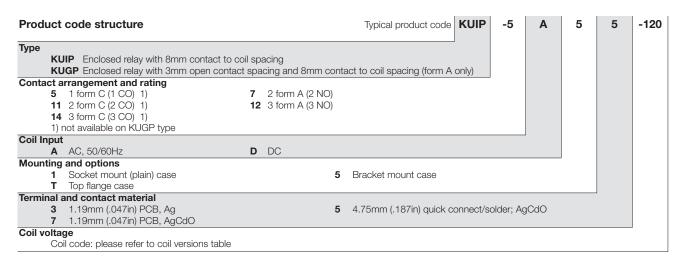


1.19mm (.047) printed circuit



Terminal assignment





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