

SP.

KUEP Series Panel Plug-in Relay

- 1 Form X, 2 Form A and 2 Form C contact arrangements
- 10 amp current rating
- Magnetic blow-out
- Various mounting options
- Indicator lamp available

R

Typical applications DC load switching in industrial controls

Approvals

UL E22575; CSA LR15734; CE (KUEP-11 only) Technical data of approved types on request

Contact Data

		A (NO), 2 form C (CO)
Rated voltage)VDC
Rated current		0A
Contact material	AgCdO	AgSnOlnO
Min. recommended contact load		, 12VDC
Frequency of operation	360 ops./hour	360 ops./hour
Operate/releases time max.	15/10ms	
Bounce time max.	17ms	
Contact ratings		
Type Load		Cycles
UL 508		
KUEP, 1 form X, AgCdO		
10A, 150VDC		100x10 ³
1A, 300VDC		100x10 ³
2.5 A, 170 VDC, res	sistive	100x10 ³
KUEP, 2 form A, AgCdO		
5 A, 150 VDC		
2.5 A, 170 VDC, res	sistive	100x10 ³
KUEP, 2 form C, AgCdO		
3 A, 150 VDC		
2.5 A, 170 VDC, res	sistive	100x10 ³
10 A, 240 VAC		
10 A, 32 VDC		
5 FLA, 15 LRA, 250) VAC	
1/3 HP, 120 VAC	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
5 A, 120 VAC, tung	sten	
1/2 HP, 250 VAC	01011	
10 FLA, 40 LRA, 12		
3 A, 600 VAC	JVAO	
1/2 HP, 480 VAC		
1/2 HP, 600 VAC		
1 HP, 480 VAC, 3 p	nase	
KUEP, 1 form X, AgSnOlnO		00.103
10A, 150VDC, resis	stive	30x10 ³
KUEP, 2 form A, AgSnOlnO		
5 A, 150 VDC, resis	tive	100x10 ³
KUEP, 2 form C, AgSnOInO		
3 A, 150 VDC, resis		100x10 ³
Mechanical endurance	10x1	0 ⁶ ops.

0.0.0				
Coil voltage range			5 to 125VDC	
			6 to 240VAC	
Coil insu	lation system ac	Class B		
Coil ver	sions, DC coil			
Coil	Rated	Operate	Coil	Rated coil
code	voltage	voltage	resistance	power
	VDČ	VDČ	Ω±10%	. W
One pol	le versions			
5	5	3.75	21	1.2
6	6	4.5	32	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
125	125 125 93.75		13000	1.2
Two pol	e versions			
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
125	125	93.75	8680	1.8
All figures	are given for coil wit	hout preenergization	at ambient temperatur	a ±23°C

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

Coil versions, AC coil

Coil Data

	SI0113, AO COII			
Coil	Rated	Operate	Coil	Rated coil
code	voltage	voltage	voltage resistance	
	VAC	VAC	Ω±15%	VA
One pol	e versions			
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
Two pol	e versions			
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

Initial dielectric strength	
between open contacts	1200V _{rms}
between contact and coil	2200V _{rms}
between adjacent contacts	2200V _{rms}
Initial insulation resistance	
between insulated elements	100ΜΩ

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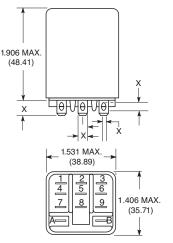
KUEP Series Panel Plug-in Relay (Continued)

Other Data

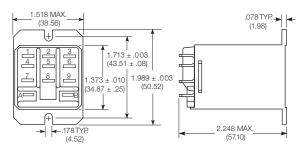
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content					
refer to the Product Compliance Support Center at					
www.te.com/c	ustomersupport/rohssupportcenter				
Ambient temperature					
DC coil	-45°C to 70°C				
AC coil	1 pole: -45°C to 55°C				
	2 pole: -45°C to 45°C				
Category of environmental protection	1				
IEC 61810	RTI - dust protected				
Vibration resistance (functional)	.065" double amplitude, 10-55Hz				
Shock resistance (functional)	15g, 11ms (non-operating)				
Terminal type	Quick connects (QC), .187 or .205				
	PCB-THT				
Terminal retention, push force					
QC .205	17 lbs for 3s				
QC .187	25 lbs for 3s				

Dimensions

Plain case



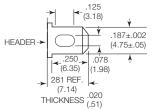
Top flange case



X Is For Terminal Dimensions. See Teminal Drawings.

Terminal dimensions

4.75mm (.187) quick connect



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5.21mm (.205) quick connect

.156

(3.96)

.285 -

316 REE

(8.03)

THICKNESS

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HEADER →

.093 (2.36)

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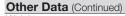
(.89)

.032

(.81)

.205±.002

(5.21±.05)

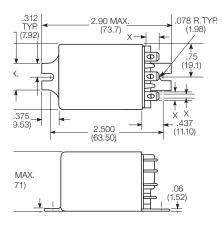


vveignt	85g
Packaging/unit	tray/25 pcs., box/150pcs.

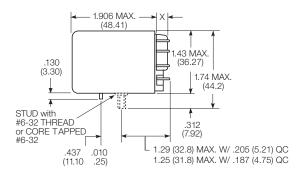
Accessories For details see datasheet

For details see datasheet		Sockets and Accessories, KUP Relays
Product Code	Description	
27E893	DIN socket (use 20	DC318 clip)
27E121	Track mount socke	et (use 20C314 clips)
27E043	Chassis mount/so	lder eyelet socket (use 20C254 clip)
27E046	Chassis mount/PC	CB socket (use 20C254 clip)
27E067	Chassis mount/qu	ick connect socket (use 20C254 clip)
27E396	Snap-in/quick con	nect socket (use 20C254 clip)
		· · · ·

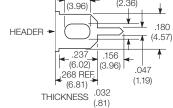
Bracket mount case



Core / stud mount case



1.19mm (.047) printed circuit 1.19mm (.047) printed circuit .093 (2.36) ↓



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KUEP Series Panel Plug-in Relay (Continued)

PCB layout

Bottom view on solder pins

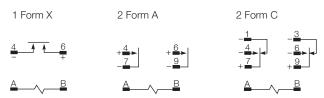
1 form X version

2 form C version shown (Omit unnecessary holes for form A types)



076 DIA. TYP. (5.23) (1.93)

Terminal assignment



Load polarity noted above is recommended for optimum arc suppression.

Produ	uct code structure			Typical product code	KUEP	-3	Α	1	5	-120
Туре										
	KUEP Enclosed relay with magnetic blow-ou	ts								
Contac	ct arrangement and rating									
	3 1 form X (1 NO-DM)	7	2 form A (2 NO)							
	11 2 form C (2 CO)									
Coil In	iput						-			
	A AC, 50/60Hz	D	DC							
Mount	ting and options									
	1 Socket mount (plain) case		3	Socket mount (plain) cas	se, with ind	licator	lamp 1)			
	5 Bracket mount case		A	Plain case with #6-32 st	ud and loc	ating ta	ab			
	E Plain case with #6-32 tapped core and lo	cating	g tab 🛛 🕇	Top flange case						
	1) Indicator lamps are available on models wit	h the	following coils: 6-2	4VAC and VDC, 110VDC a	nd 120-24	OVAC.				
	Only models with 120-240VAC coils are UL	reco	gnized.							
Termin	nal and contact material								_	
	5 4.75mm (.187in) quick connect/solder; A	gCdC) 6	5.21mm (.205in) quick c	connect/sol	lder; Ag	gCdO			
	7 1.19mm (.047in) PCB, AgCdO		F	4.75mm (.187in) quick c	connect/sol	lder; Ag	gSnOlnO			
	R 5.21mm (.205in) quick connect/solder; A	gSnC	NnO S	1.19mm (.047in) PCB, A	AgSnOlnO					
Coil vo	oltage									
	Coil code: please refer to coil versions table									

Product Code	Arrangement	Material	Coil	Terminals	Mounting	Part Number
KUEP-3A15-120	1 Form X, 1 NO-DM	AgCdO	120 VAC	4.75mm (.187in) QC	Socket mount, plain case	9-1393113-4
KUEP-3D15-12			12 VDC			9-1393113-8
KUEP-3D15-24			24 VDC			1393114-1
KUEP-3D15-48			48 VDC			1393114-2
KUEP-3D15-110			110 VDC			9-1393113-7
KUEP-3D35-24			24 VDC		Socket mount, plain case w/ indicator lamp	1393114-5
KUEP-7D15-24	2 Form A, 2 NO				Socket mount, plain case	1-1393114-1
KUEP-11A15-120	2 Form C, 2 CO		120 VAC			8-1393113-3
KUEP-11D15-12			12 VDC			8-1393113-6
KUEP-11D15-24			24 VDC			8-1393113-7
KUEP-11D15-48			48 VDC			8-1393113-8
KUEP-11D15-110			110 VDC			8-1393113-5

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