

# **KRPA Series Panel Plug-in Relay**

- **5** to 10A current capability
- Contact arrangements of 1, 2 and 3 form C (CO)
- Octal type termination for quick installation
- Indicator lamp available on certain models





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Rated coil

power

VA

Typical applications Baggage handling, lighting, inspection equipment, marine.

## Approvals

UL E22575; CSA LR15734 Technical data of approved types on request.

### Contact Data

oontaot bata					
Contact arrangement	1 form C (CO), 2 form C (CO), 3 form C (CO)				
Rated voltage	240VAC				
Rated current	1(	10A			
Contact material	Ag	AgCdO			
Min. recommended contact load	100mA, 12VDC	300mA, 12VDC			
Frequency of operation	360 ops./hour	360 ops./hour			
Contact ratings					
Type Load		Cycles			
UL 508					
KRPA, Ag					
5A, 120VAC		100x10 <sup>3</sup>			
3A, 240VAC		100x10 <sup>3</sup>			
1/10HP, 120VAC		1x10 <sup>3</sup>			
1/6HP, 240VAC		1x10 <sup>3</sup>			
KRPA, AgCdO					
10A, 240VAC		100x10 <sup>3</sup>			
1/3HP, 120VAC		1x10 <sup>3</sup>			
1/2HP, 240VAC		1x10 <sup>3</sup>			
KA, Ag					
5A, 120VAC					
3A, 240VAC					
1/10HP, 120VAC					
1/6HP, 240VAC					
KA, AgCdO					
10A, 120VAC					
6A, 240VAC					
1/6HP, 120VAC					
1/3HP, 240VAC					
Mechanical endurance	10x10	) <sup>6</sup> ops.			

## Coil Data

Coil volta	ge range		6 to 220VDC	
			6 to 240VAC	
Coil insul	ation system a	according UL	Class B	
Coil vers	sions, DC coi	I		
Coil	Rated	Operate	Coil	Rated coil
code	voltage	voltage	resistance	power
	VDC	VDC	Ω±10%	W
6	6	4.5	32	1.15
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	1.2
_	220	Use 110V relay v	vith 10KΩ, 5W resi	stor in series

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

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#### **Coil Data (continued)** Coil versions, AC coil Rated Operate Coil voltage resistance voltage <u>Ω±15%</u> VAC VAC

6	6	5.1	6	2.01	
12	12	10.2	24	2.02	
24	24	20.4	85	2.02	
120	120	102.0	2250	2.1	
240	240	204.0	9110	2.1	
All figures are given for coil without preenergization, at ambient temperature +23°C.					

# **Insulation Data**

Coil

code

moulation Bata		
Initial dielectric strength		
between open contacts	1000V	
between contact and coil	1000V	
between adjacent contacts	1000V	
Initial insulation resistance	111162	
between insulated elements	KRPA: 1000MΩ	
	KA: 100MΩ	

# **Other Data**

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at

<u>www.te.com</u>	1/customersupport/ronssupportcenter
Ambient temperature	
DC coil	KRPA: -45°C to 70°C
	KA: -45°C to 85°C
AC coil	KRPA: -45°C to 55°C
	KA: -45°C to 70°C
Category of environmental protect	tion
IEC 61810	RTI - dust protected KRPA and
	RT0 - open style KA
Terminal type	KRPA: 8- or 11-pin octal-type plug
	KA: solder terminals
Weight	85g
Packaging/unit	tray/25 pcs., box/150pcs.
Accessories	
For details see datasheet	Sockets and Accessories, KRPA Relays
Product Code Description	

FIDUUCI COUE	Description
27E891	Two pole DIN socket (use 20C318 clip)
27E892	Three pole DIN socket (use 20C318 clip)
27E122	Two pole track mount socket (use 20C318 clip)
27E123	Three pole track mount socket (use 20C318 clip)

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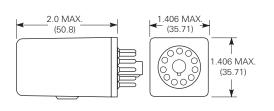
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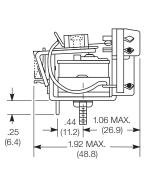
# KRPA Series Panel Plug-in Relay (Continued)

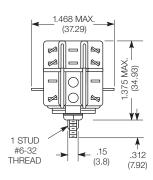
## Dimensions

KRPA

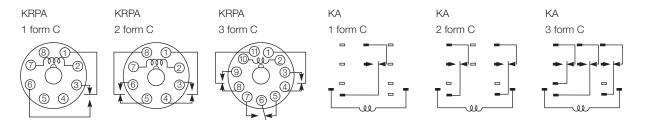


KA





## Terminal assignment



Product code structure	Typical product code	-5	Α	Y	-120
Туре					
KRPA Enclosed relay with octal-style plug					
KA Open style relay with solder terminals					
Contact arrangement and rating					
5 1 form C (CO)	11 2 form C (CO)				
14 3 form C (CO)					
Coil Input			-		
<b>A</b> AC, 50/60Hz	D DC				
Contact material and indicator lamp option					
Y Ag, no indicator lamp	G AgCdO, no indicator lamp				
N AgCdO, with indicator (Code N only available)	e with relay type KRPA)				
Options					
Leave blank no additional options					
F Au flashed contacts	P Push to test button				
(Options F and P only available with relay ty	be KRPA)				
Coil voltage					
Coil code: please refer to coil versions table					

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# KRPA Series Panel Plug-in Relay (Continued)

Product Code	Arrangement	Contact Material	Coil	Option	Part Number
KA-5AG-120	1 form C, 1 CO	AgCdO	120VAC	Open style	7-1393099-1
KA-5AY-120		Ag			7-1393099-3
KA-5DG-6		AgCdO	6VDC		7-1393099-9
(A-5DG-12			12VDC		7-1393099-7
KA-5DG-110			110VDC		7-1393099-6
KA-11AG-120	2 form C, 2 CO		120VAC		3-1393099-6
KA-11AY-6		Ag	6VAC		4-1393099-1
KA-11AY-24			24VAC		4-1393099-0
KA-11AY-120			120VAC		3-1393099-9
KA-11DG-12		AgCdO	12VDC	_	4-1393099-3
A-11DG-24			24VDC		4-1393099-5
A-11DG-110		_	110VDC		4-1393099-2
KA-14AG-120	3 form C, 3 CO		120VAC		5-1393099-0
KA-14AY-120		Ag	241/20		5-1393099-4
(A-14DG-24		AgCdO	24VDC		5-1393099-7
(A-14DG-110		_	110VDC		5-1393099-5
(RPA-5AG-24	1 form C, 1 CO		24VAC	None	9-1393104-9
(RPA-5AG-120			120VAC		9-1393104-8
KRPA-5DG-6			6VDC		1393105-5
(RPA-5DG-12			12VDC		1393105-3
(RPA-5DG-24		A	24VDC		1393105-4
(RPA-5DY-12		Ag	12VDC	_	1393105-6
(RPA-5DY-24	0 form 0 0 00	A~0d0	24VDC		1393105-7
(RPA-11AG-6	2 form C, 2 CO	AgCdO	6VAC 12VAC		2-1393104-8
(RPA-11AG-12			24VAC		2-1393104-4
(RPA-11AG-24			120VAC		1-1393105-2
(RPA-11AG-120 (RPA-11AG-240			240VAC		2-1393104-5
(RPA-11AG-240 (RPA-11AN-12			12VAC	Indicator	2-1393104-7
RPA-11AN-12			24VAC	Indicator	3-1393104-1 3-1393104-3
			120VAC		
(RPA-11AN-120 (RPA-11AN-240			240VAC		3-1393104-2 3-1393104-4
(RPA-11AY-6		Δ <i>α</i>	6VAC	None	3-1393104-9
		Ag		INOTIE	
(RPA-11AY-12			12VAC 24VAC		3-1393104-5
(RPA-11AY-24			120VAC		3-1393104-7
(RPA-11AY-120 (RPA-11AY-240			240VAC		3-1393104-6
		Aacdo	6VDC	_	3-1393104-8
(RPA-11DG-6		AgCdO			4-1393104-7
(RPA-11DG-12			12VDC 24VDC		4-1393104-3
KRPA-11DG-24 KRPA-11DG-48			48VDC	_	4-1393104-5 4-1393104-6
(RPA-11DG-40)			110VDC		4-1393104-2
(RPA-11DG-110			125VDC	_	4-1393104-2
(RPA-11DG-125)			24VDC		4-1393104-5
(RPA-11DG-48			48VDC	_	4-1393104-6
(RPA-11DN-12			12VDC	Indicator	5-1393104-0
(RPA-11DN-24			24VDC	Indicator	5-1393104-1
(RPA-11DN-110			110VDC		4-1393104-9
(RPA-11DY-12		Ag	12VDC	None	5-1393104-6
(RPA-11DY-24		, 'w	24VDC		5-1393104-7
(RPA-14AG-12	3 form C. 3 CO	AqCdO	12VAC		6-1393104-4
(RPA-14AG-12)	0.000		24VAC		6-1393104-7
(RPA-14AG-120			120VAC		6-1393104-5
(RPA-14AG-240			240VAC		6-1393104-8
(RPA-14AN-24			240VAC	Indicator	7-1393104-4
(RPA-14AN-120			120VAC		7-1393104-3
(RPA-14AN-240			240VAC		7-1393104-5
(RPA-14AY-24		Ag	24VAC	None	7-1393104-8
(RPA-14AY-120			120VAC		7-1393104-7
RPA-14AY-240			240VAC		7-1393104-9
(RPA-14DG-12		AgCdO	12VDC		8-1393104-2
(RPA-14DG-24			24VDC	-	8-1393104-4
(RPA-14DG-48			48VDC		8-1393104-5
(RPA-14DG-110			110VDC		8-1393104-1
(RPA-14DG-125			125VDC		8-1393104-3
(RPA-14DN-24			24VDC	Indicator	9-1393104-0
KRPA-14DY-24		Ag		None	9-1393104-3

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