

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





EL

Coil

SP

Rated coil

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

Approvals

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

Contact Data

Contact Du	tu				
Contact arrangement		1 form C (CO), 2 form C (CO), 3 form C (CO)			
Rated voltage		240VAC			
Rated current		1(A		
Contact materi	al	Ag	AgCdO		
Min. recommen	nded contact load	100mA, 12VDC	300mA, 12VDC		
Frequency of c	peration	360 ops./hour	360 ops./hour		
Contact ratin	gs				
Туре	Load		Cycles		
UL 508					
KRPA, Ag					
	5A, 120VAC		100x10 ³		
	3A, 240VAC		100x10 ³		
	1/10HP, 120VAC		1x10 ³		
	1/6HP, 240VAC		1x10 ³		
KRPA, AgCdO					
	10A, 240VAC		100x10 ³		
	1/3HP, 120VAC		1x10 ³		
	1/2HP, 240VAC		1x10 ³		
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 en	durance	10x10) ⁶ ops.		

Coil Data

Coil voltage range		6 to 220VDC		
			6 to 240VAC	
Coil insul	ation system a	ccording 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	istor 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 Coil Rated Operate code voltage voltage I

code	voitage	voitage	resistance	power		
	VAC	VAC	Ω±15%	VA		
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 $+23^{\circ}$ C						

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

Insulation Data

Initial dielectric strength		
between open contacts	1000V_ms	
between contact and coil	1000V	
between adjacent contacts	1000V	
Initial insulation resistance	11115	
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 www.te.com/customersupport/robssupport/center

www.te.con	<u>//customersupport/ronssupportcenter</u>
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	ion
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.
	i
Accessories	
For details see datasheet	Sockets and Accessories, KRPA Relays
Product Code Description	

Product Code	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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Catalog product data, 'Definitions' section, application notes and all specifications are subject to change.

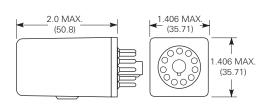
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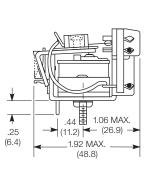
KRPA Series Panel Plug-in Relay (Continued)

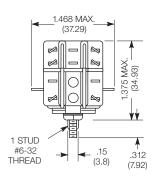
Dimensions

KRPA

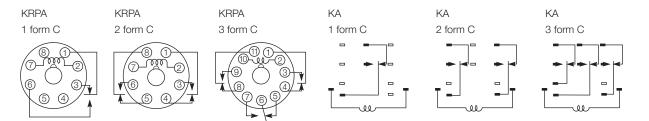


KA





Terminal assignment



Product code structure			Typical product code	KRPA	-5	Α	Y	-120
Туре]				
KRPA Enclosed relay	with octal-style plug							
KA Open style rela	y with solder terminals							
Contact arrangement and r	ating							
5 1 form C (CO)	11	2 form C (CO)						
14 3 form C (CO)								
Coil Input								
A AC, 50/60Hz	D	DC						
Contact material and indica	tor lamp option							
 Y Ag, no indicator la 	mp G	AgCdO, no indicator	lamp					
N AgCdO, with indic	ator (Code N only available w	ith relay type KRPA)						
Options								
Leave blank no add	itional options							
F Au flashed contac	ts		P Push to test buttor	1 I				
(Options F and P o	only available with relay type k	KRPA)						
Coil voltage								
Coil code: please refer	to coil versions table							ł

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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
KA-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
A-14AG-120	3 form C, 3 CO		120VAC		5-1393099-0
(A-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
(RPA-5DG-6			6VDC		1393105-5
(RPA-5DG-12			12VDC		1393105-3
(RPA-5DG-24		A.c.	24VDC		1393105-4
(RPA-5DY-12		Ag	12VDC		1393105-6
(RPA-5DY-24	0 form 0 0 00		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	3-1393104-4
		Ag	12VAC	INOTIE	
(RPA-11AY-12			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-1125			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		, .a	24VDC		5-1393104-7
(RPA-14AG-12	3 form C, 3 CO	AqCdO	12VAC		6-1393104-4
(RPA-14AG-24	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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