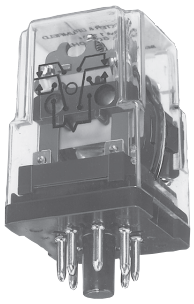
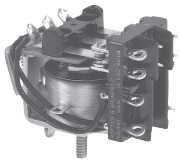
KRPA Series Panel Plug-in Relay

- **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**





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

Approvals

UL E22575; CSA LR15734

Technical data of approved types on request.

Contact Data

Contact arrangement	1 form C (CO), 2 form C (CO), 3 form C (CO)	
Rated voltage	240VAC	
Rated current	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	$100x10^3$
	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 endurance	$10x10^6$ ops.	

Coil Data

Coil voltage range	6 to 220VDC 6 to 240VAC
Coil insulation system according UL	Class B

Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Coil resistance Ω±10%	Rated coil power 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 with 10KΩ, 5W resistor in series		

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

Coil Data (continued)

Coil versions, AC coil

Coil code	Rated voltage VAC	Operate voltage VAC	Coil resistance Ω±15%	Rated coil power 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°C.

Insulation Data

Initial dielectric strength	
between open contacts	$1000V_{rms}$
between contact and coil	$1000V_{rms}$
between adjacent contacts	$1000V_{rms}$
Initial insulation resistance	
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/rohssupportcenter	
Ambient temperature	
DC coil	KRPA: -45ºC to 70ºC KA: -45ºC to 85ºC
AC coil	KRPA: -45ºC to 55ºC KA: -45ºC to 70ºC
Category of environmental protection	
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
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)

07-2015, Rev. 0715
www.te.com
© 2015 Tyco Electronics Corporation,
a TE Connectivity Ltd. company.

Catalog and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

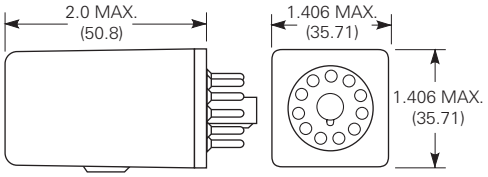
Catalog and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

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

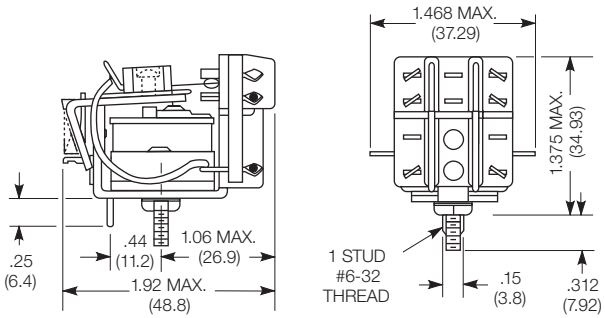
KRPA Series Panel Plug-in Relay (Continued)

Dimensions

KRPA

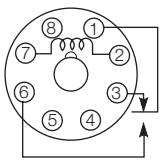


KA

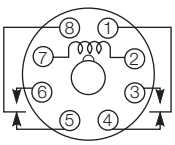


Terminal assignment

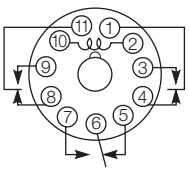
KRPA
1 form C



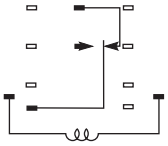
KRPA
2 form C



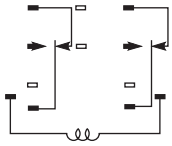
KRPA
3 form C



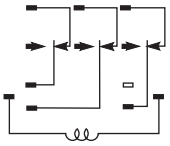
KA
1 form C



KA
2 form C



KA
3 form C



Product code structure

Typical product code **KRPA -5 A Y -120**

Type
- **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
- **A** 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 with relay type KRPA)

Options
- **Leave blank** no additional options
- **F** Au flashed contacts (Options F and P only available with relay type KRPA)
- **P** Push to test button

Coil voltage
Coil code: please refer to coil versions table

07-2015, Rev. 0715
www.te.com
© 2015 Tyco Electronics Corporation,
a TE Connectivity Ltd. company.

Catalog and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

Catalog and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

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

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
KA-11DG-24			24VDC		4-1393099-5
KA-11DG-110			110VDC		4-1393099-2
KA-14AG-120	3 form C, 3 CO		120VAC		5-1393099-0
KA-14AY-120		Ag			5-1393099-4
KA-14DG-24		AgCdO	24VDC		5-1393099-7
KA-14DG-110			110VDC		5-1393099-5
KRPA-5AG-24	1 form C, 1 CO		24VAC	None	9-1393104-9
KRPA-5AG-120			120VAC		9-1393104-8
KRPA-5DG-6			6VDC		1393105-5
KRPA-5DG-12			12VDC		1393105-3
KRPA-5DG-24			24VDC		1393105-4
KRPA-5DY-12		Ag	12VDC		1393105-6
KRPA-5DY-24			24VDC		1393105-7
KRPA-11AG-6	2 form C, 2 CO	AgCdO	6VAC		2-1393104-8
KRPA-11AG-12			12VAC		2-1393104-4
KRPA-11AG-24			24VAC		1-1393105-2
KRPA-11AG-120			120VAC		2-1393104-5
KRPA-11AG-240			240VAC		2-1393104-7
KRPA-11AN-12			12VAC	Indicator	3-1393104-1
KRPA-11AN-24			24VAC		3-1393104-3
KRPA-11AN-120			120VAC		3-1393104-2
KRPA-11AN-240			240VAC		3-1393104-4
KRPA-11AY-6		Ag	6VAC	None	3-1393104-9
KRPA-11AY-12			12VAC		3-1393104-5
KRPA-11AY-24			24VAC		3-1393104-7
KRPA-11AY-120			120VAC		3-1393104-6
KRPA-11AY-240			240VAC		3-1393104-8
KRPA-11DG-6		AgCdO	6VDC		4-1393104-7
KRPA-11DG-12			12VDC		4-1393104-3
KRPA-11DG-24			24VDC		4-1393104-5
KRPA-11DG-48			48VDC		4-1393104-6
KRPA-11DG-110			110VDC		4-1393104-2
KRPA-11DG-125			125VDC		4-1393104-4
KRPA-11DG-24			24VDC		4-1393104-5
KRPA-11DG-48			48VDC		4-1393104-6
KRPA-11DN-12			12VDC	Indicator	5-1393104-0
KRPA-11DN-24			24VDC		5-1393104-1
KRPA-11DN-110			110VDC		4-1393104-9
KRPA-11DY-12		Ag	12VDC	None	5-1393104-6
KRPA-11DY-24			24VDC		5-1393104-7
KRPA-14AG-12	3 form C, 3 CO	AgCdO	12VAC		6-1393104-4
KRPA-14AG-24			24VAC		6-1393104-7
KRPA-14AG-120			120VAC		6-1393104-5
KRPA-14AG-240			240VAC		6-1393104-8
KRPA-14AN-24			24VAC	Indicator	7-1393104-4
KRPA-14AN-120			120VAC		7-1393104-3
KRPA-14AN-240			240VAC		7-1393104-5
KRPA-14AY-24		Ag	24VAC	None	7-1393104-8
KRPA-14AY-120			120VAC		7-1393104-7
KRPA-14AY-240			240VAC		7-1393104-9
KRPA-14DG-12		AgCdO	12VDC		8-1393104-2
KRPA-14DG-24			24VDC		8-1393104-4
KRPA-14DG-48			48VDC		8-1393104-5
KRPA-14DG-110			110VDC		8-1393104-1
KRPA-14DG-125			125VDC		8-1393104-3
KRPA-14DN-24			24VDC	Indicator	9-1393104-0
KRPA-14DY-24		Ag		None	9-1393104-3

07-2015, Rev. 0715
www.te.com
© 2015 Tyco Electronics Corporation,
a TE Connectivity Ltd. company.

Catalog and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

Catalog and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:
KA-5DG-12