

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 3A, 240VAC 1/10HP, 120VAC 1/6HP, 240VAC	100x10 ³ 100x10 ³ 1x10 ³ 1x10 ³
KRPA, AgCdO	10A, 240VAC 1/3HP, 120VAC 1/2HP, 240VAC	100x10 ³ 1x10 ³ 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 $\Omega \pm 10\%$	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 10K Ω , 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 $\Omega \pm 15\%$	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: 1000M Ω KA: 100M Ω
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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: -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 protection IEC 61810	RTI - dust protected KRPA and RT0 - open style KA
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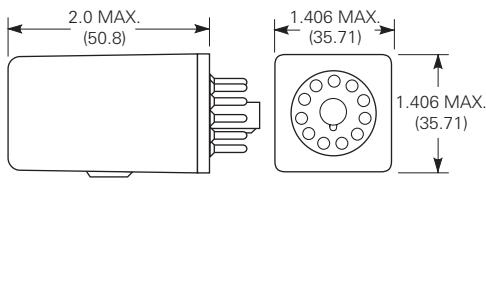
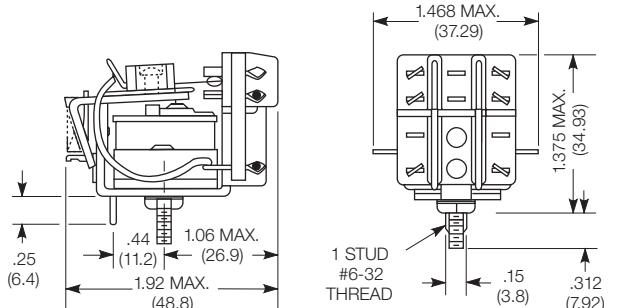
Terminal type	KRPA: 8- or 11-pin octal-type plug KA: solder terminals
Weight	85g

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

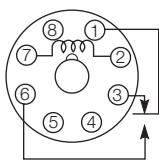
Accessories

For details see datasheet Sockets and Accessories, KRPA Relays

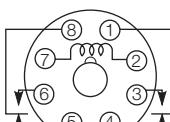
Product Code	Description
27E891	Two pole DIN socket (use 20C318 clip)
27E892	Three pole DIN socket (use 20C318 clip)
27E122	Two pole track mount socket (use 20C318 clip)
27E123	Three pole track mount socket (use 20C318 clip)

KRPA Series Panel Plug-in Relay (Continued)
Dimensions
KRPA

KA

Terminal assignment
KRPA

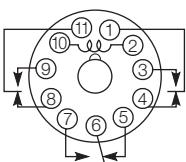
1 form C


KRPA

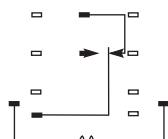
2 form C


KRPA

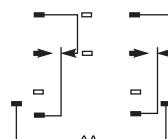
3 form C


KA

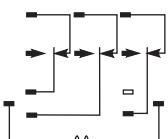
1 form C


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)
14 3 form C (CO)

11 2 form C (CO)

Coil Input
A AC, 50/60Hz

D DC

Contact material and indicator lamp option
Y Ag, no indicator lamp
N AgCdO, with indicator (Code N only available with relay type KRPA)

G AgCdO, no indicator lamp

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

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		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	24VDC		5-1393099-4
KA-14DG-24		AgCdO	110VDC		5-1393099-7
KA-14DG-110			24VAC		5-1393099-5
KRPA-5AG-24	1 form C, 1 CO		120VAC	None	9-1393104-9
KRPA-5AG-120			6VDC		9-1393104-8
KRPA-5DG-6			12VDC		1393105-5
KRPA-5DG-12			24VDC		1393105-3
KRPA-5DG-24			12VDC		1393105-4
KRPA-5DY-12		Ag	24VDC		1393105-6
KRPA-5DY-24			12VDC		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

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