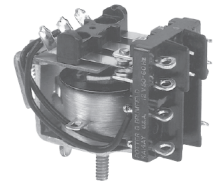


POTTER & BRUMFIELD KRPA SERIES PANEL PLUG-IN RELAY

PANEL/PLUG-IN RELAYS

FEATURES

- 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



APPLICATIONS

- Baggage handling
- Lighting
- Inspection equipment
- Marine

APPROVALS

- UL E22575
- CSA LR15734



Technical data of approved types on request

KRPA SERIES PANEL PLUG-IN RELAY

POTTER & BRUMFIELD

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 ⁵ 1x10 ⁵
KRPA, AgCdO	10A, 240VAC 1/3HP, 120VAC 1/2HP, 240VAC	100x10 ³ 1x10 ⁵ 1x10 ⁵
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.	

INSULATION DATA

Initial dielectric strength	
Between open contacts	1000 V _{rms}
Between contact and coil	1000 V _{rms}
Between adjacent contacts	1000 V _{rms}
Initial insulation resistance	
Between insulated elements	KRPA: 1000MΩ KA: 100MΩ

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		

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

OTHER DATA

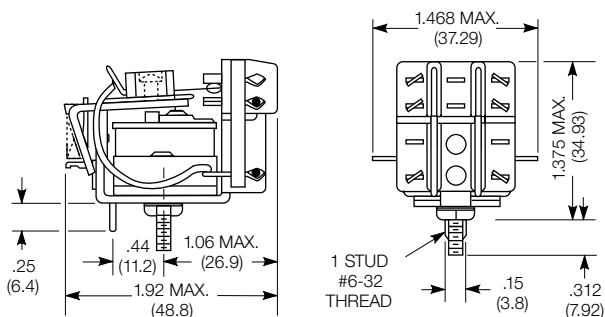
Material compliance	EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at: Click here
Ambient temperature	
DC coil	KRPA: -45°C to 70°C KA: -45°C to 85°C
AC coil	KRPA: -45°C to 55°C KA: -45°C to 70°C
Category of environmental protection	
IEC 61810	RTI - dust protected KRPA and RTO - 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.

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For details see datasheet	Sockets and Accessories, KUP Relays
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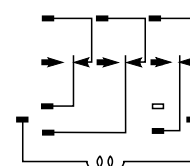
DIMENSIONS (Unit mm)

KA



KRPA

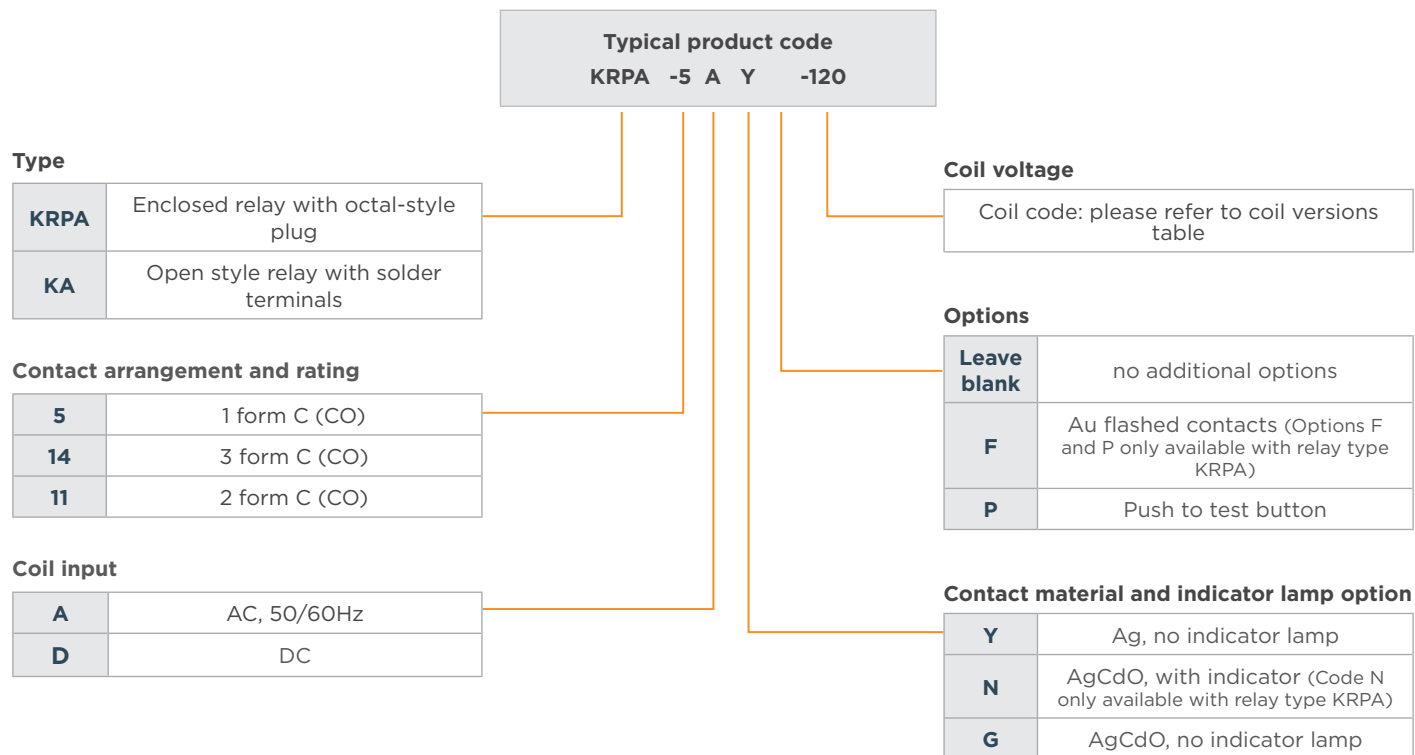
KA



KRPA SERIES PANEL PLUG-IN RELAY

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PRODUCT CODE STRUCTURE



PRODUCT INFORMATION

Product Code	Arrangement	Contact Material	Coil	Option	Part Number
KRPA-5AG-24	1 form C, 1 CO	AgCdO	24VAC	None	9-1393104-9
KRPA-5AG-120			120VAC		9-1393104-8
KRPA-5DG-12			12VDC		1393105-3
KRPA-5DY-24		Ag	24VDC		1393105-7
KRPA-11AG-24	2 form C, 2 CO	AgCdO	24VAC	Indicator	1-1393105-2
KRPA-11AG-120			120VAC		2-1393104-5
KRPA-11AG-240			240VAC		2-1393104-7
KRPA-11AN-24			24VAC		3-1393104-3
KRPA-11AN-120		Ag	120VAC	None	3-1393104-2
KRPA-11AN-240			240VAC		3-1393104-4
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	None	4-1393104-7
KRPA-11DG-12			12VDC		4-1393104-3
KRPA-11DG-24			24VDC		4-1393104-5

Product Code	Arrangement	Contact Material	Coil	Option	Part Number
KRPA-11DG-48	2 form C, 2 CO	AgCdO	48VDC	None	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

Notes:

- Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.
- Datasheets 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>.
- Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change.

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09/25