

KCP Series Plug-in Relay

- Enclosed dust cover
- DC current sensitive relay
- 1, 2, and 3 Form C (CO) contact arrangement
- 8 and 11 pin octal style plugs
- Operates on 125mW per movable arm



Contact Data

Contact arrangement	1 form C (CO), 2 form C (CO), 3 form C (CO)
Rated voltage	120VAC
Rated current	2A
Contact material	Ag
Min. recommended contact load	100mA, 12VDC
Initial contact resistance	100mΩ
Frequency of operation	360 ops./hour
Operate/release time max.	20/10ms

Contact ratings

Type	Load	Cycles
1, 2 and 3 pole, Ag	2A, 120VAC	100x10 ³ ops.
Mechanical endurance		15x10 ⁶ ops.

Coil Data

Coil current range	3.6mA to 12.3mA (DC only)
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Coil versions, DC Coil

Coil code	Operate current mADC	Coil resistance Ω±10%	Rated coil power mW
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Coil versions, 1 pole

2,500	7.2	2,500	125
5,000	5	5,000	125
10,000	3.6	10,000	125

Coil versions, 2 pole

2,500	10	2,500	250
5,000	7.2	5,000	250
10,000	5	10,000	250

Coil versions, 3 pole

2,500	12.3	2,500	375
5,000	8.7	5,000	375
10,000	6.1	10,000	375

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

Insulation Data

Initial dielectric strength	
between open contacts	500V _{rms}
between contact and coil	500V _{rms}
between adjacent contacts	500V _{rms}
Initial insulation resistance	
between insulated elements	1,000MΩ

Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customer-support/rohssupportcenter

Ambient temperature	
DC coil	-45°C to 70°C
AC coil	-45°C to 70°C
Category of environmental protection	
IEC 61810	RT1 - dust protected
Terminal type	8- or 11-pin octal-style plug
Weight	82.2g
Packaging/unit	tray/25 pcs., box/200pcs.

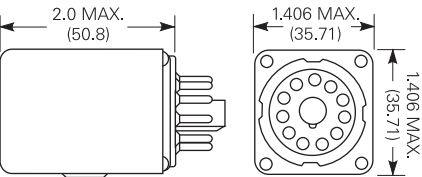
Accessories

For details see datasheet Sockets and Accessories, KRP Relays

Product Code	Description
27E891	8-pin DIN socket (use 20C318 clip)
27E892	11-pin DIN socket (use 20C318 clip)
27E122	8-pin track mount socket (use 20C318 clip)
27E123	11-pin track mount socket (use 20C318 clip)

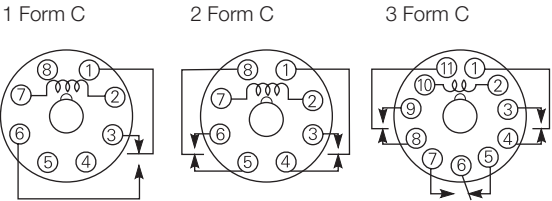
KCP Series Plug-in Relay (Continued)

Dimensions



Note: KCP-14 shown. KCP-5 and KCP-11 have 8-pin bases.

Terminal assignment



Product code structure

Typical product code

KCP -11 -10000

Type

KCP Enclosed, DC current sensitive relay with octal-type plug for socket mounting

Contact arrangement

- 5** 1 form C (CO)
- 11** 2 form C (CO)
- 14** 3 form C (CO)

Coil Resistance

- 2500** 2,500Ω
- 5000** 5,000Ω
- 10000** 10,000Ω

Product Code	Arrangement	Contact Material	Coil Resistance	Terminals	Part Number
KCP-11-10000	2 form C, 2 CO	Ag	10,000	8-pin Octal-style plug	3-1393100-8

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