KRP-3_H Series Panel Plug-in Relay

- **20 amp capability**
- **Contact arrangement of 1 Form X (SPST - NO-DM)**
- **Heavy copper alloy movable contact arms**
- **Twin silver-cadmium oxide contacts**

Typical applications
Automation controls, high current switching

Approvals

UL E22575
Technical data of approved types on request

Contact Data

Contact arrangement	1 form X (NO-DM)
Rated voltage	120VAC
Rated current	20A
Contact material	AgCdO
Min. recommended contact load	300mA, 12VDC
Initial contact resistance	200mΩ
Frequency of operation	360 ops./hour
Operate/release time max.	15/10ms

Contacts ratings

Type	Load	Cycles
UL 508		
1 pole, AgCdO		
	20A, 120VAC	
	3/4HP, 120VAC	
Mechanical endurance	2.5x10^6 ops.	

Coil Data

Coil voltage range	6 to 110VDC
	6 to 240VAC

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

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

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

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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	100MΩ at 500VDC

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	-45ºC to 70ºC
AC coil	-45ºC to 55ºC
Category of environmental protection	
IEC 61810	RTI - dust protected
Terminal type	Octal plug
Weight	57g
Packaging/unit	tray/25 pcs., box/150pcs.

Accessories

For details see datasheet	Sockets and Accessories, KRP Relays

Product Code	Description
27E891	DIN socket (use 20C203 clip)
27E122	Track mount socket (use 20C203 clip)

KRP-3_H Series Panel Plug-in Relay (Continued)

Dimensions

1.531 MAX.
(38.89)

2.281 MAX.
(57.94)

1.406 MAX.
(35.71)

.031
(.79)
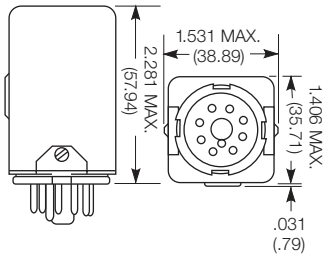
Terminal assignment

1 Form X (1NO-DM)
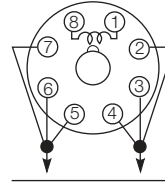
Product code structure

Typical product code | KRP-3 | D | H | -12

Type			
KRP-3 Enclosed panel plug-in relay with 1 Form X (1NO-DM) contacts			
Coil Input			
A AC	**D** DC		
Contact material and rating			
H AgCdO, 6.35mm (0.25") dia., rated 20A			
Coil voltage			
Coil code: please refer to coil versions table			

Product Code	Arrangement	Material	Coil	Terminals	Part Number
KRP-3AH-120	1 Form X	AgCdO	120 VAC	Octal plug	1-1393102-1