

## 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



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Approvals	
UL E22575	
Technical data of approved types on reques	st
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.

6 to 110VDC
6 to 240VAC

Coil versions, DC coil							
Coil	Rated	Operate	Coil	Rated coil			
code	voltage	voltage	resistance	power			
	VDC	VDC	Ω±10%	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 vers	sions, AC coil			
Coil	Rated	Operate	Coil	Rated coil
code	voltage	voltage	resistance	power
	VAC	VAC	Ω±15%	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	500V <sub>rms</sub>
between contact and coil	500V <sub>rms</sub>
between adjacent contacts	500V <sub>rms</sub>
Initial insulation resistance	
between insulated elements	100MΩ at 500VDC
' <u> </u>	

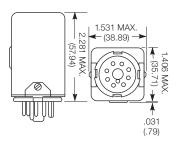
Other Data					
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen cont					
r	refer to the Product Compliance Support Center at				
	www.te.com/customersupport/rohssupportcenter				
Ambient temperature					
DC coil	-45°C to 70°C				
AC coil	-45°C to 55°C				
Category of environme	ental protection				
IEC 61810 RTI - dust protected					
Terminal type	Octal plug				
Weight	57g				
Packaging/unit	tray/25 pcs., box/150pcs.				

Accessories					
tasheet	Sockets and Accessories, KRP Relays				
Description					
IN socket (use 20	0C203 clip)				
Track mount socket (use 20C203 clip)					
	Description  OlN socket (use 20				



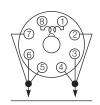
## KRP-3\_H Series Panel Plug-in Relay (Continued)

## **Dimensions**



## Terminal assignment

1 Form X (1NO-DM)



Product code structure	Typical product code	KRP-3	D	Н	-12
Туре					
KRP-3 Enclosed panel plug-in relay with 1 Form X (1NO-DM) contacts					
Coil Input					
A AC D DC					
Contact material and rating				_	
<b>H</b> 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