

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	
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

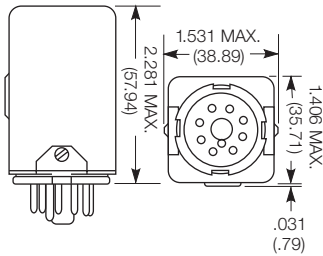
Other Data	
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customer-support/rohssupportcenter	
Ambient temperature	
DC coil	-45°C to 70°C
AC coil	-45°C to 55°C
Category of environmental protection	
IEC 61810	RT1 - dust 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)

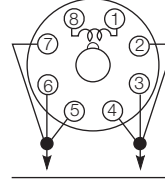
KRP-3_H Series Panel Plug-in Relay (Continued)

Dimensions



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	D	H	-12
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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [General Purpose Relays](#) category:

Click to view products by [TE Connectivity](#) manufacturer:

Other Similar products are found below :

[PCN-105D3MH,000](#) [59641F200](#) [LY1SAC110120](#) [5X827E](#) [5X837F](#) [5X840F](#) [5X842F](#) [5X848E](#) [LY2N-AC120](#) [LY2S-AC220/240](#) [LY2-US-AC120](#) [LY3-US-AC120](#) [LY4F-UA-DC12](#) [LY4F-UA-DC24](#) [LY4F-US-AC120](#) [LY4F-US-AC240](#) [LY4F-US-DC24](#) [LY4F-VD-AC110](#) [LYQ20DC12](#) [M115C60](#) [M115N010](#) [M115N0150](#) [6031007G](#) [603-12D](#) [61211T0B4](#) [61212T400](#) [61222Q400](#) [61243B600](#) [61243C500](#) [61243Q400](#) [61311BOA2](#) [61311BOA6](#) [61311BOA8](#) [61311C0A2](#) [61311COA1](#) [61311COA6](#) [61311F0A2](#) [61311QOA1](#) [61311QOA4](#) [61311T0D6](#) [61311TOA6](#) [61311TOA7](#) [61311TOB3](#) [61311TOB4](#) [61311U0A6](#) [61312Q600](#) [61312T400](#) [61312T600](#) [61313U200](#) [61313U400](#)