

## K10 Series Miniature Relay

## ■ 2 Form C contact arrangement

## ■ AC and DC coils

## ■ Socket, PCB and top flange mounting options

Typical applications  
 Industrial controls, medical, motor controls



## Approvals

UL E22575; CSA L15734

Technical data of approved types on request

## Contact Data

Contact arrangement	2 form C (CO), 2 from A (NO), 2 form B (NC), 1 form A (NO) + 1 form B (NC)
Rated voltage	120VAC
Rated current	15A
Contact material	Ag, AgCdO, AgSnOInO
Min. recommended contact load	
Ag contacts	100mA, 12VDC
AgCdO and AgSnInO contacts	300mA, 12VDC
Initial contact resistance	100mΩ
Frequency of operation	360 ops./hour
Operate/release time max.	13/10 ms
Bounce time max.	10ms

## Contact ratings

Type	Load	Operations
<b>UL 508</b>		
Ag	10A, 30VDC 10A, 277VAC	6x10 <sup>3</sup>
AgCdO	15A, 120VAC 10A, 277VAC 15A, 30VDC 15 FLA, 36 LRA, 120VAC 1/3HP, 120VAC 1/2HP, 250VAC	100x10 <sup>3</sup> 100x10 <sup>3</sup> 100x10 <sup>3</sup> 100x10 <sup>3</sup> 1x10 <sup>3</sup> 1x10 <sup>3</sup>
AgSnOInO	15A, 240VAC	70x10 <sup>3</sup>
Mechanical endurance	10x10 <sup>6</sup> operations	

## Coil Data

Coil voltage range	6 to 110VDC 6 to 240VAC
Coil insulation system according UL	Class B

## Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10%	Rated coil power mW
006	6	4.5	0.6	40	900
012	12	9.0	1.2	160	900
024	24	18.0	2.4	650	900
048	48	36.0	4.8	2600	900
110	110	82.5	11.0	11000	1100

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

## Coil Data (continued)

## Coil versions, AC coil

Coil code	Rated voltage VAC	Operate voltage VAC	Release voltage VAC	Coil resistance Ω±15%	Rated coil power VA
006	6	5.1	0.6	10.5	1.20
012	12	10.2	1.2	43	1.20
024	24	20.4	2.4	160	1.25
048	48	40.8	4.8	668	1.25
120	120	102.0	12.0	3900	1.35
240	240	204.0	24.0	12000	1.50

All figures are given for coil without preenergization, at ambient temperature +23°C, 60Hz.

## Insulation Data

Initial dielectric strength	
between open contacts	1000Vrms
between contact and coil	1500Vrms
between adjacent contacts	1500Vrms
between coil and frame	1500Vrms

Initial surge withstand voltage	
between adjacent contacts	1000MΩ 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](http://www.te.com/customersupport/rohssupportcenter)

Ambient temperature -45°C to 70°C

Category of environmental protection

IEC 61810

RT0 - open relay

RTI - dust protected

Terminal type quick connect (QC) .187

PCB .120" and .160" long

51g

Weight

box/250 pcs., tray/50 pcs.

## Accessories

For details see datasheet Sockets and Accessories, K10 Relays

Product Code	Description
27E895	DIN socket
27E487	Track mount socket
20C426	Clip for 27E895 and 27E487
27E488	Chassis/solder socket
27E489	PCB socket
20C217	Clip for 27E488 and 27E489



## K10 Series Miniature Relay (Continued)

Product Code	Arrangement	Cont. material	Coil	Coil	Terminals	Mounting	Part number
K10P-11A15-6	2 form C, 2 CO	AgCdO	AC coil	6VAC	Quick connect (QC)	Socket	4-1393144-4
K10P-11A15-12				12VAC			3-1393144-9
K10P-11A15-24				24VAC			4-1393144-1
K10P-11AT5-24						Bracket	3-1393144-5
K10P-11A15-120				120VAC		Socket	4-1393144-0
K10P-11AT5-120						Bracket	3-1393144-3
K10P-11D15-6			DC coil	6VDC		Socket	6-1393144-0
K10P-11D15-12				12VDC			5-1393144-5
K10P-11DT5-12						Bracket	5-1393144-0
K10P-11D15-24				24VDC		Socket	5-1393144-7
K10P-11DT5-24						Bracket	5-1393144-1
K10P-11D15-48				48VDC		Socket	5-1393144-9
K10P-11D15-110				110VDC			5-1393144-4
K10P-11D55-12				12VDC	PCB	PCB	6-1393144-6
K10P-11D55-24				24VDC			6-1393144-8
K10P-11D55-110				110VDC			6-1393144-5

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[K10L-11A15-120](#)