

# IEC Type Industrial Control Relays; TeSys D-Line, K-Line, and SK-Line K-Line Ordering Information

## Control Relays



**CA2KN40\*\***



**CA2KN403\*\***



**CA3KN407\*\***

- Mounting on 35 mm DIN3 track or 4 screw direct mounting.
- Screws in open "ready-to-tighten" position.

Control Circuit		Type of Termination	Contact Configuration		Catalog Number ♦	Weight lb (kg)
Supply	Consumption		N/O	N/C		
AC	4.5 VA	Screw clamp	4	0	CA2KN40**	0.40 (0.180)
			3	1	CA2KN31**	0.40 (0.180)
			2	2	CA2KN22**	0.40 (0.180)
		Spring Termination	4	0	CA2KN403**	0.40 (0.180)
			3	1	CA2KN313**	0.40 (0.180)
			2	2	CA2KN223**	0.40 (0.180)
		Faston 1 x 6.35 or 2 x 2.8	4	0	CA2KN407**	0.40 (0.180)
			3	1	CA2KN317**	0.40 (0.180)
			2	2	CA2KN227**	0.40 (0.180)
		Solder pins for printed circuit board	4	0	CA2KN405**	0.46 (0.210)
			3	1	CA2KN315**	0.46 (0.210)
			2	2	CA2KN225**	0.46 (0.210)
DC	3 W	Screw clamp	4	0	CA3KN40**	0.50 (0.225)
			3	1	CA3KN31**	0.50 (0.225)
			2	2	CA3KN22**	0.50 (0.225)
		Spring Termination	4	0	CA3KN403**	0.50 (0.225)
			3	1	CA3KN313**	0.50 (0.225)
			2	2	CA3KN223**	0.50 (0.225)
		Faston 1 x 6.35 or 2 x 2.8	4	0	CA3KN407**	0.50 (0.225)
			3	1	CA3KN317**	0.50 (0.225)
			2	2	CA3KN227**	0.50 (0.225)
		Solder pins for printed circuit board	4	0	CA3KN405**	0.56 (0.255)
			3	1	CA3KN315**	0.56 (0.255)
			2	2	CA3KN225**	0.56 (0.255)

## Low Consumption Control Relays

- Compatible with programmable controller outputs.
- LED indicator incorporated.
- Wide range coil (70 to 130% U<sub>c</sub>), suppressor fitted as standard.
- Mounting on 35 mm DIN3 track or 4 screw direct mounting.
- Screws in open "ready-to-tighten" position.



**CA4KN405\*\*\***

DC	1.8 W	Screw clamp	4	0	CA4KN40***	0.52 (0.235)
			3	1	CA4KN31***	0.52 (0.235)
			2	2	CA4KN22***	0.52 (0.235)
		Spring Termination	4	0	CA4KN403***	0.52 (0.235)
			3	1	CA4KN313***	0.52 (0.235)
			2	2	CA4KN223***	0.52 (0.235)
		Faston 1 x 6.35 or 2 x 2.8	4	0	CA4KN407***	0.52 (0.235)
			3	1	CA4KN317***	0.52 (0.235)
			2	2	CA4KN227***	0.52 (0.235)
		Solder pins for printed circuit board	4	0	CA4KN405***	0.58 (0.265)
			3	1	CA4KN315***	0.58 (0.265)
			2	2	CA4KN225***	0.58 (0.265)

♦ Complete catalog number by adding proper voltage code from page 14.

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## Instantaneous Auxiliary Contact Blocks



LA1KN20



LA1KN40



LA1KN403



LA1KN407

Clip-on Front Mounting, 1 Block Per Control Relay					
Type of connection	Contact Configuration		Catalog Number	Weight lb (kg)	
	N/O	N/C			
Screw clamp	2	0	LA1KN20	0.10 (0.045)	
	0	2	LA1KN02	0.10 (0.045)	
	1	1	LA1KN11	0.10 (0.045)	
	4	0	LA1KN40 ▲	0.10 (0.045)	
	3	1	LA1KN31 ▲	0.10 (0.045)	
	2	2	LA1KN22 ▲	0.10 (0.045)	
	1	3	LA1KN13 ▲	0.10 (0.045)	
	0	4	LA1KN04 ▲	0.10 (0.045)	
	Spring Termination	2	0	LA1KN203	0.10 (0.045)
		1	1	LA1KN113	0.10 (0.045)
0		2	LA1KN023	0.10 (0.045)	
4		0	LA1KN403 ▲	0.10 (0.045)	
3		1	LA1KN313 ▲	0.10 (0.045)	
2		2	LA1KN223 ▲	0.10 (0.045)	
1		3	LA1KN133 ▲	0.10 (0.045)	
0		4	LA1KN043 ▲	0.10 (0.045)	
Faston 1 x 6.35 or 2 x 2.8		2	0	LA1KN207	0.10 (0.045)
		0	2	LA1KN027	0.10 (0.045)
	1	1	LA1KN117	0.10 (0.045)	
	4	0	LA1KN407 ▲	0.10 (0.045)	
	3	1	LA1KN317 ▲	0.10 (0.045)	
	2	2	LA1KN227 ▲	0.10 (0.045)	
	1	3	LA1KN137 ▲	0.10 (0.045)	
	0	4	LA1KN047 ▲	0.10 (0.045)	

▲ Not to be used on CA4KN relays

## Electronic Time Delay Attachment

- Relay output with common point changeover contact, 240 VAC or VDC, 2 A maximum.
- Control voltage: 85 to 110% U<sub>c</sub>.
- Maximum switching capacity: 250 VA or 150 W.
- Operating temperature: 14 to 140°F (-10 to 60°C).
- Reset time: 1.5 s during the time delay period, 0.5 s after the time delay period.

Clip-on Front Mounting, 1 Block per Control Relay					
Voltage	Type	Timing Range (s)	Contact Configuration	Catalog Number	Weight lb (kg)
24 to 48 Vac or Vdc	On-delay	1 to 30	1 N/O and 1 N/C with a common	LA2KT2E	0.09 (0.040)
110 to 240 Vac	On-delay	1 to 30	1 N/O and 1 N/C with a common	LA2KT2U	0.09 (0.040)

## Coil Voltages

### CA2K Control Relays

Volts ac 50/60 Hz	12	20	24	36	42	48	110	115	120	127	220/230	230	230/240	380/400	400	400/415	440	480	500	600	660/690
Code (85 to 110% U <sub>c</sub> )	J7	Z7	B7	C7	D7	E7	F7	FE7	G7	FC7		P7			V7		R7	T7	S7	X7	
Code (80 to 115% U <sub>c</sub> )											M7		U7	Q7		N7					Y7

Coils up through 240 V are available with built-in coil suppression. Add a 2 to the end of the appropriate voltage code. Example: **G72**.

### CA3K Control Relays (80 to 115% U<sub>c</sub>)

Volts dc	12	20	24	36	48	60	72	100	110	125	200	220	230	240	250
Code	JD	ZD	BD	CD	ED	ND	SD	KD	FD	GD	LD	MD	MPD	MUD	UD

Coils are available with built-in coil suppression. Add a 3 to the end of the appropriate voltage code. Example: **JD3**.

### CA4K Low Consumption Control Relays (wide range coil: 70 to 130% U<sub>c</sub>)

Volts dc	12	20	24	48	72	110	120
Code	JW3	ZW3	BW3	EW3	SW3	FW3	GW3

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