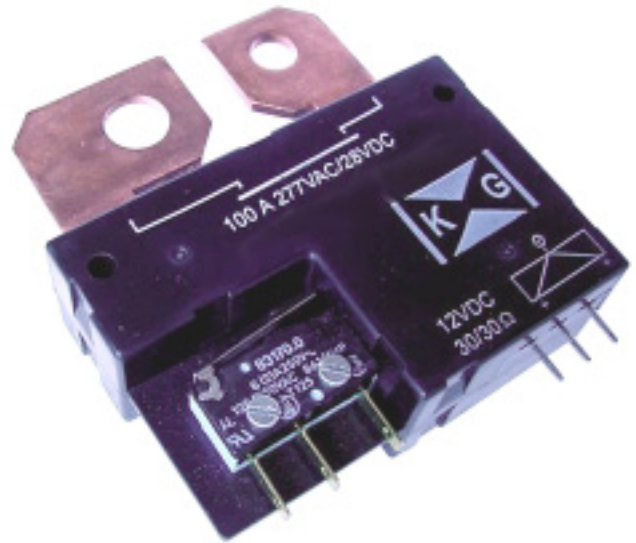




### 100A Power Latching Relay

- 10A auxiliary switch
- 3mm contact gap
- Patented linear drive unit
- Patented double make contact bridge
- A short current path for overall lower resistance
- Minimal power consumption from the coil

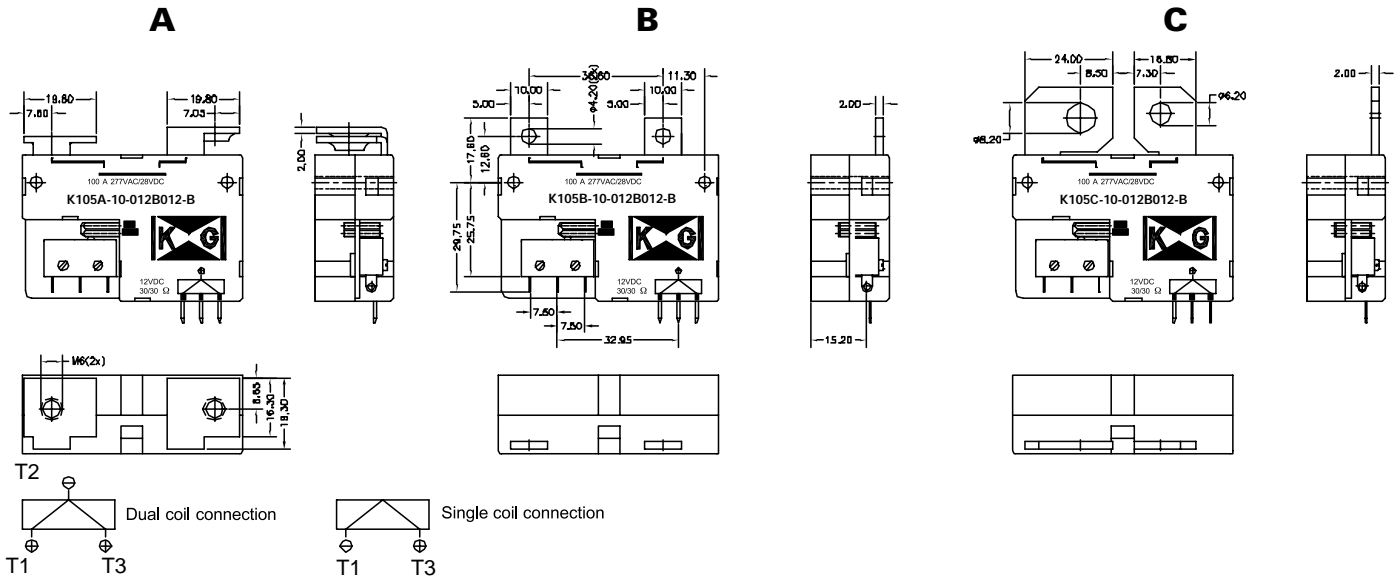


## K105 Specifications

Type	K105A, B, or C		K105A, B, or C	
<b>Contact Data</b>			<b>Characteristics</b>	
Rated load (FLA)	100A/480Vac		Insulation resistance	1,000 M Ohm (at 500VDC)
Contact arrangement	SPST-NO-DM		Dielectric strength:	
Contact material	Silver alloy		coil to contact	5,000 VAC for 1 minute
Initial contact resistance	50m Ohm (1A@24Vdc)		across open contacts	5,000 Vac for 1 minute
Current withstanding	TBD		Operate time	20ms
Max. operating current	300A		Release time	20ms
Max. operating voltage	480Vac or 60Vdc		Ambient temperature	-40 to +70 C
Max. switching capacity	100A		Vibration	1.0 mm (DA), 10-55 Hz
Expected life:		Shock:		
electrical (rated load)	20,000		functional	98 m/s squared
mechanical	1,000,000		mechanical	980m/s squared
		Dimensions		
		(60 X 40 X 21)mm		
		Terminals		
		(A, B, or C,) see drawings		
<b>Coil data</b>				
Coil consumption	4.8W for 50mS			
Coil voltage rate	6-48Vdc			
<b>Nominal coil voltage</b>	<b>Coil resistance</b>	<b>Min Operating voltage</b>	<b>Pulse duration</b>	
6Vdc	2 x 8 Ohm	4.8Vdc	50ms min.	
12Vdc	2 x 30 Ohm	9.6Vdc	50ms min.	
24Vdc	2 x 125 Ohm	19.2Vdc	50ms min.	
48Vdc	2 x 500 Ohm	38.4Vdc	50ms min.	
<b>Auxiliary switch data</b>				
Type	Snap action (V4)			
Contact arrangement	SPDT			
Max. switching current	10A			
Max. switching voltage	250Vac			
<b>Safety approvals</b>				
UL	cUL	CSA	TUV	VDE
X	X			X

# K105

## 100A Power Latching Relays



### Application Notes:

Method 1: Place a negative connection on T2. Then apply a 50ms Positive pulse to T1 to open the contacts or to T3 to close the contacts.

Method 2: Place a negative connection on T1. Then apply a 50ms Positive pulse to T3 to close the relay. Reversing Polarity will open the contacts.

# K105

## Ordering Information

