

TGJ1 Series Contactor Relay

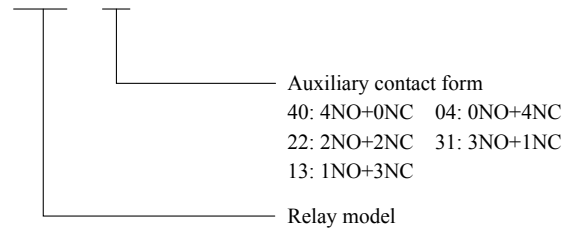


1 Product overview

TGJ1 series contactor relays are mainly used in AC 50Hz or 60Hz control circuits with rated working voltage up to 660V for controlling various electromagnetic coils and for amplification and transfer of electrical signals. This relay is a necessary low-voltage electrical appliance for automatic and remote control.

2 Type designation

TGJ1 - 40



TGJ1 contactor type relay selection table

Contact		Item description
Normal open	Normal closed	
4	0	TGJ1-40*
0	4	TGJ1-04*
1	3	TGJ1-13*
3	1	TGJ1-31*
2	2	TGJ1-22*

3 Main technical parameters

Main technical parameters	
Rated insulation voltage U_i V	690
Free air resistive current I_{th} A	10
Rated working current I_e A	AC-15 380V: 0.95
	DC-13 220V: 0.15
Contact combination	2NO+2NC、3NO+1NC、4NO+0NC、1NO+3NC、0NO+4NC
Electrical life 10,000 times	110
Mechanical life 10,000 times	1600
Operating frequency Times/h	1200

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Table, continued

Rated control circuit voltage Us	50Hz	24、36、48、110、220、380、400、415							
	50/60Hz	24、36、48、110、220、380、400、415							
Pull-in voltage range	AC 85%~110% Us								
Release voltage range	AC 20%~75% Us								
Certificate	CE								
Coil voltage specification table									
Coil voltage	V	24	36	48	110	220	380	400	415
Coil voltage code	50Hz	B5	C5	E5	F5	M5	Q5	V5	N5
	50/60Hz	B7	C7	E7	F7	M7	Q7	V7	N7

4 Normal operation and installation conditions

4.1 Ambient temperature: limit working temperature: $-35^{\circ}\text{C} \sim +70^{\circ}\text{C}$; normal working temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$; the average value within 24 hours does not exceed $+35^{\circ}\text{C}$;

4.2 Installation conditions: The inclination between the mounting surface and the vertical surface is not more than $\pm 22.5^{\circ}\text{C}$, and the installation category is Class III;

4.3 Pollution level: 3

4.4 Altitude: Not more than 2000m

4.5 Atmospheric conditions: When the maximum temperature is $+70^{\circ}\text{C}$, the relative humidity of the air does not exceed 50%. Higher relative humidity is allowed at lower temperatures, for example, up to 90% at 20°C . Special measures should be taken for condensation occurred occasionally due to temperature changes;

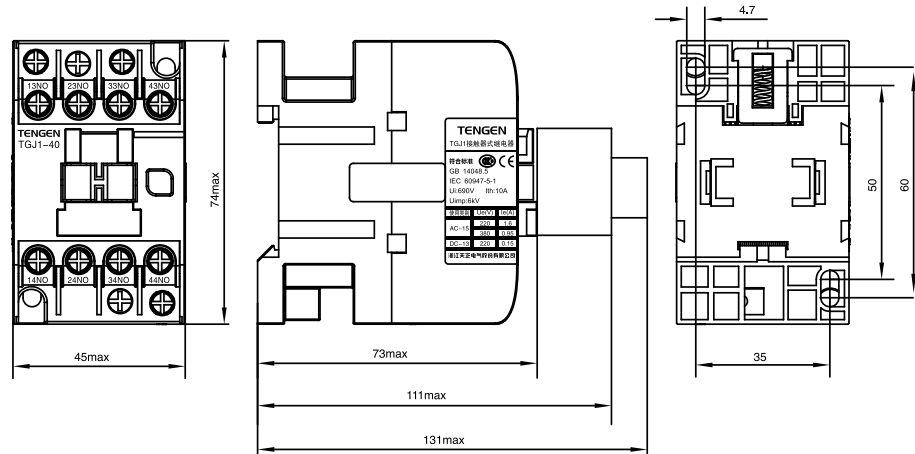
4.6 The product should be installed and used in a place where there is no obvious shaking, impact and vibration.

5 Accessory installation diagram



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6 Outline and installation dimension



Unit: mm

Spec. & Model	Amax	Bmax	Cmax	Dmax	Emax	a	b	c	d
TGJ1	45	74	73	111	131	35	50.6~60.2	-	-