

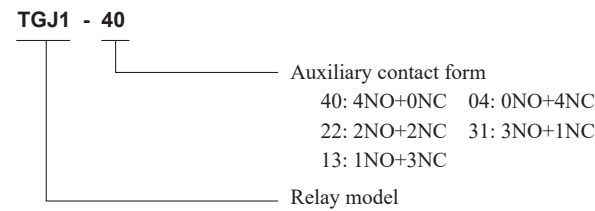
TGJ1 Series Contactor Relay



1 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 contactor type relay selection table

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

3 Technical Parameters

Main technical parameters	
Rated insulation voltage Ui V	690
Free air resistive current Ith A	10
Rated working current Ie A	AC-15 380V: 0.95
	DC-13 220V: 0.15
Contact combination	2NO+2NC、3NO+1NC、4NO+0NC、1NO+3NC、0NO+4NC

TGJ1 Series Contactor Relay

Table, continued

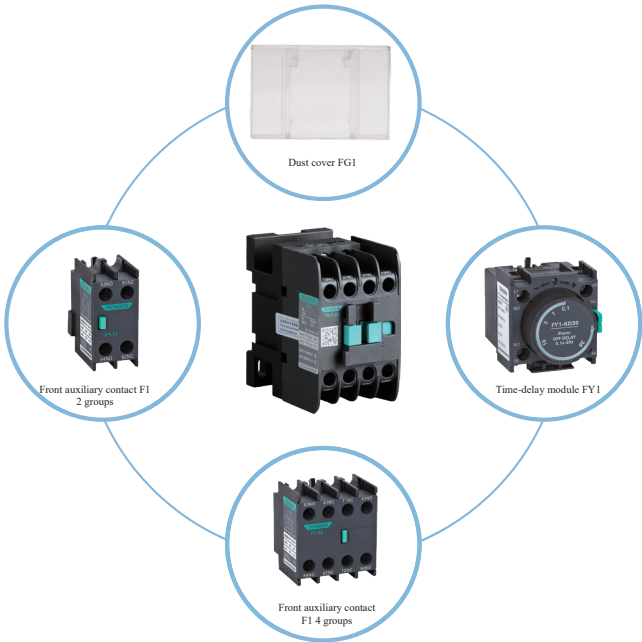
Electrical life	10,000 times	110							
Mechanical life	10,000 times	1600							
Operating frequency	Times/h	1200							
Rated control circuit voltage Us	50Hz	24、36、48、110、220、380、400、415							
	50/60Hz	24、36、48、110、220、380、400、415							
Pull-in voltage range		AC 85%~110% Us							
Release voltage 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 Operating Conditions

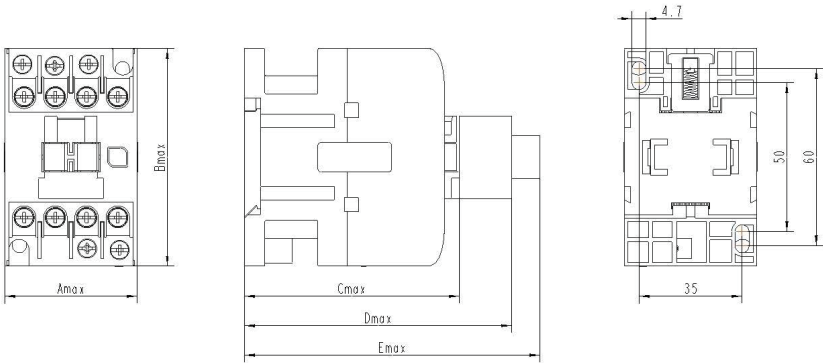
- 4.1 Ambient temperature: limit working temperature: -35°C ~ +70°C; normal working temperature: -5°C ~ +40°C; the average value within 24 hours does not exceed +35°C;
- 4.2 Installation conditions: The inclination between the mounting surface and the vertical surface is not more than ±22.5°C, and the installation category is Class III;
- 4.3 Pollution degree: 3;
- 4.4 Altitude: No more than 2,000 meters;
- 4.5 Atmospheric conditions: The relative humidity of the atmospheric air does not exceed 50% at +40°C. Higher relative humidity is allowed at lower temperatures. The monthly mean minimum temperature of the wettest month does not exceed +25°C, the monthly mean maximum relative humidity of that month does not exceed 90%, and the condensation occurred on the product due to temperature changes shall be considered;
- 4.6 The product should be installed and used in a place where there is no obvious shaking, impact and vibration.

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5 Accessory Installation Diagram



6 Outline and Installation Dimensions



Unit: mm

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