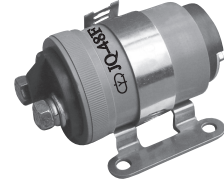




## JQ-48F Contactor

### ● Overview

The contactor has 1PNO main contact which is normally open double make. The load current can reach to 80A. It can be used interchangeably with the product of S77 or 101CC01.



### ● Environment Condition

Ambient temperature :  $-55 \sim 85^{\circ}\text{C}$   
Relative humidity : 98% at  $40^{\circ}\text{C}$   
Low air pressure : 2.5KPa (25000m)  
Shock acceleration :  $294 \text{ m/s}^2$

Sine vibration :  $98 \text{ m/s}^2$  , 5 ~ 2000Hz  
Random Vibration :  $0.07 \text{ g}^2/\text{Hz}$  , 15 ~ 2000Hz  
Acceleration :  $118 \text{ m/s}^2$

### ● Main technical data

Coil power (W): $\leq 2.8$ ( Steady value )	Contact load range: 8~80A ( Resistive ) 5~110Vd.c. 5~220Va.c.
Contact voltage drop : Initial $\leq 120$ (mV) After life $\leq 180$	Switching power max.: 2240W, 9200VA (Resistive)
Insulation resistance: normal condition $\geq 100$ (M $\Omega$ ) High humidity or After life $\geq 10$	Contact load and life :
Dielectric strength (Vr.m.s., 50Hz) : Normal condition 1250 Low air pressure condition 500	Resistive, 80A, 28Vd.c., $2 \times 10^4$ cycles Resistive, 80A, 115Va.c., 400Hz, $2 \times 10^4$ cycles Motor, 80A, 28Vd.c., $1 \times 10^4$ cycles
Time index: Operate time $\leq 20$ (ms) Release time $\leq 15$	Weight (g): $168 \pm 10\%$

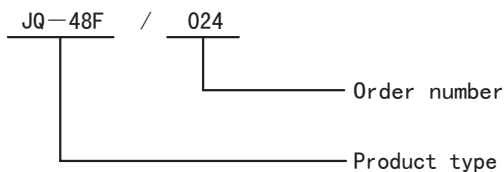
### ● Specification parameter

Order number	Coil Voltage		25 $^{\circ}\text{C}$				-55 ~ 85 $^{\circ}\text{C}$	
	Nominal Voltage	Value Max.	Coil Resistance ( $1 \pm 10\%$ ) $\Omega$		Pick-up Voltage Max.	Drop-Out Voltage	Pick-up Voltage Max.	Drop-Out Voltage
			Holding	Start-up				
024	24	27.4	206	6.4	14.4	1.2 ~ 6.0	16.8	0.70 ~ 12.0
028	28	32.0	280	8.7	16.8	1.5 ~ 7.0	19.6	0.85 ~ 14.0
048	48	54.8	823	25.7	28.8	2.6 ~ 12.0	33.6	1.44 ~ 24.0
060	60	68.6	1286	40.0	36.0	3.2 ~ 15.0	42.0	1.80 ~ 30.0
110	110	125.7	4322	135.0	66.0	5.9 ~ 27.5	77.0	3.30 ~ 55.0

Notes: 1) Conform to GJB1461-1992

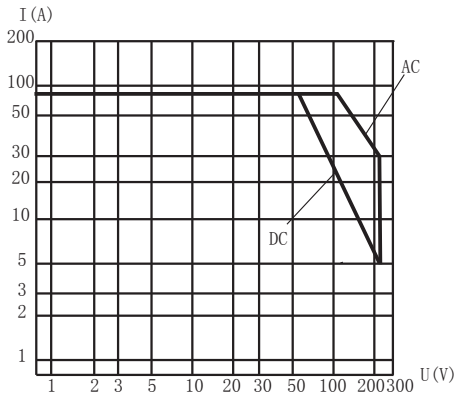
2) We can offer many types of coil voltage under the requirement of users.

### ● Ordering information

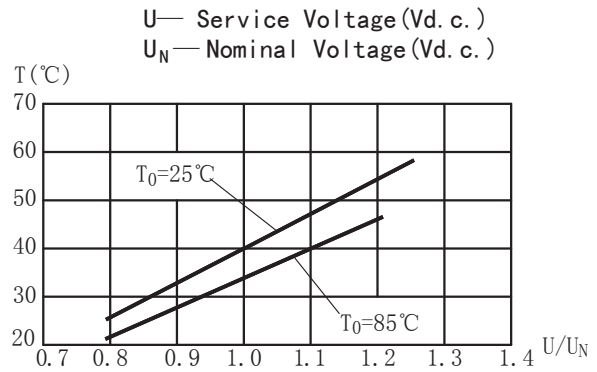




● Load characteristics and coil temperature increase

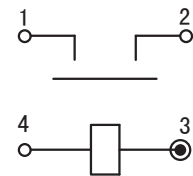
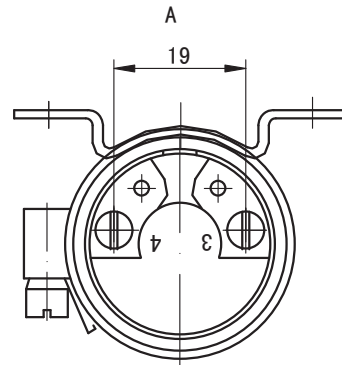
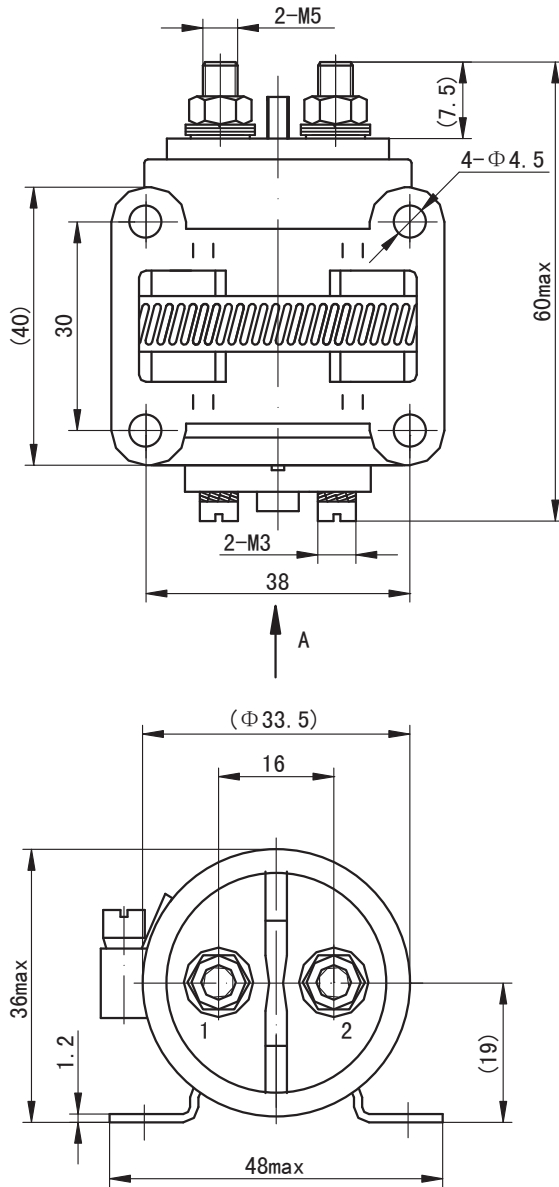


Curve of contact load (Resistive)



Curve of coil temperature increase  
 (T<sub>0</sub>—ambient temperature)

● Outline mounting dimensions and wiring diagram



Wiring Diagram