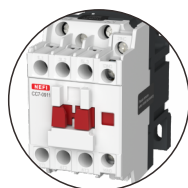
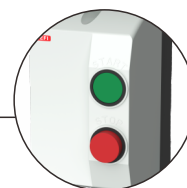


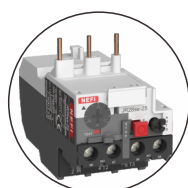
## CQ7 Magnetic Starter



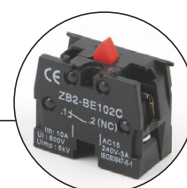
**Built-in CC7  
AC contactor**



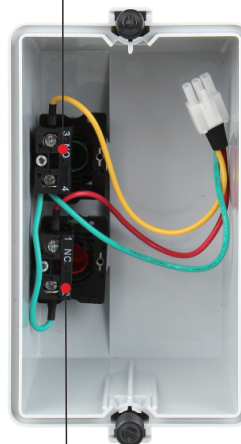
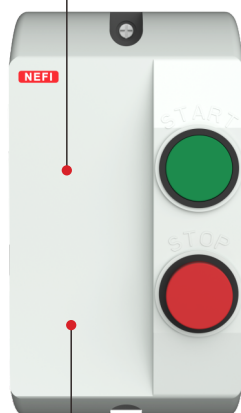
**High compatibility**



**Built-in JR28se  
thermal overload relay**



**High reliability**



### General

CQ7 series magnetic starter is suitable for circuits with rated voltage up to 660V, AC 50Hz or 60Hz, rated control power up to 45kW, and current up to 95A.

It is used to control the direct start and stop of the motor, and the starter, with a thermal overload relay, protects the motor from overload and phase failure.

Standard: IEC/EN 60947-4-1

### Operation and Installation Conditions

Type	Operating and Installation Conditions
Altitude	≤ 2000m
Ambient air temperature	-5°C ~ +40°C; 24-hour average temperature ≤ +35°C
Relative humidity	The maximum temperature of 40°C, the air relative humidity not exceed 50%; higher humidity allowed at lower temperatures. In the wettest month, average minimum temperature ≤ +25°C, the max relative humidity of that month should ≤ 90%. If humidity changes as a result of occasional gel generated, should eliminate it.
Installation position	Tilt and vertical deviation ≤ 5°
Environment	In a non-explosive hazardous medium, and there is no place in the medium that is sufficient to corrode metals and destroy insulation gases and conductor dust.
Weather	Where there is rain and snow protection and there is no steam.
Shock vibration	Products should be installed and used without severe shake, shock and vibration of the place.

### Selection

CQ7	25	220V	2.5~4A
↓	↓	↓	↓
Model	Frame Size	Coil voltage	Setting Current Scope
Magnetic Starter	09: 09A	36V 110V 220V 380V	2.5~4A, 4~6A, 5.5~8A
	12: 12A		7~10A, 9~13A
	18: 18A		12~18A
	25: 25A		17~25A
	32: 32A		23~32A
	40: 40A		
	50: 50A		23~32A, 30~40A
	65: 65A		37~50A, 48~65A
	80: 80A		55~70A, 63~80A
	95: 95A		80~93A

Technical Parameters

- Coil rated control power supply voltage  $U_s$  can be divided into AC 50Hz or 60Hz: 36V, 110V, 220V, 380V
- Operating condition: Coil pull-in voltage is (85%~110%)  $U_s$ ; Release voltage is (20%~75%)  $U_s$ .

Type	Rated current le A	Maximum power duty(kW)			Matched AC contactor type	Matched thermal relay	Setting current range (A)
		AC-3					
		660V	380V	220V			
CQ7-09	9	5.5	4	2.2	CC7-09	JR28-25 JR28s-25 JR28se-25	2.5~4 ,4~6, 5.5~8
CQ7-12	12	7.5	5.5	3	CC7-12	JR28-25 JR28s-25 JR28se-25	7~10, 9~13
CQ7-18	18	10	7.5	4	CC7-18		12~18
CQ7-25	25	15	11	5.5	CC7-25		17~25
CQ7-32	32	18.5	15	7.5	CC7-32		23~32
CQ7-40	40	18.5	18.5	11	CC7-40	JR28-93 JR28s-93 JR28se-93	23~32, 30~40 37~50, 48~65 55~70, 63~80 80~93
CQ7-50	50	22	22	15	CC7-50		
CQ7-65	65	30	30	18.5	CC7-65		
CQ7-80	80	37	37	22	CC7-80		
CQ7-95	95	45	45	25	CC7-90		

Structural Features

The starter features an IP55 protective enclosure, comprising a CC7 AC contactor and a JR28se thermal overload relay. It uses knockout-type wiring holes for cable entry and exit, allowing the user to knock out and connect up to four holes as needed.

The cover and base are fully separable for easy installation and maintenance.

The XB2 push button assembly provides safe and reliable start/stop control.

- Installation requirements:
- Install the starter vertically to ensure proper protection.
  - Select mounting screws according to hole size; use M5 or larger with spring washers, flat washers, and sealing rings for secure fastening.
  - Fit waterproof terminals into the knockout holes for better sealing.

Dimensions and Installation Sizes(mm)

