

CP7 Manual Motor Starter



CP7-25



CP7-80

General

CP7 series AC Motor Starter is suitable for circuits with AC voltage up to 690V and current up to 80A. It provides protection against overload, phase loss, and short circuit, and is used for infrequent starting of three-phase squirrel cage asynchronous motors. It can also protect distribution lines for occasional load switching and serve as an isolator.

Standard: IEC/EN 60947-2, IEC60947-4-1

Operation and Installation Conditions

Type	Operating and Installation Conditions
Installation altitude	≤2000m
Ambient air temperature	-5°C ~+40°C average temperature of 24 hours must below +35°C
Relative humidity	below 90% when the temperature is +25°C±5°C
Ambient pollution level	3
Installation category of the starter	III

Acting characteristic of each phase in distribution circuit breaker in the load balanced condition

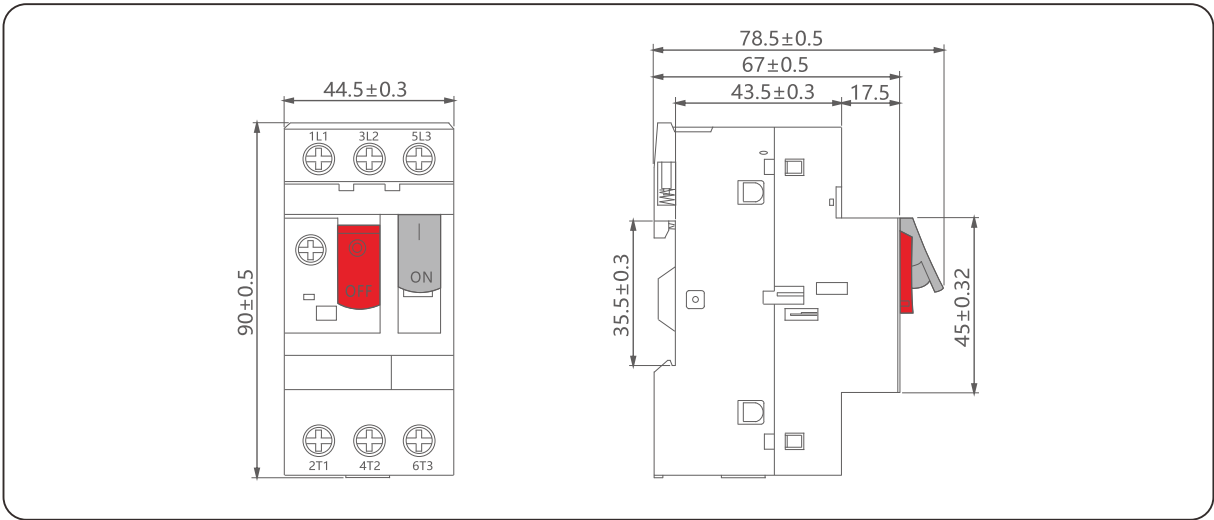
No.	Multiple of setting current	Acting time	Initial state	Ambient air temperature
1	1.0I _n	≤2h non-tripping	Cold state	+40°C±2°C
2	1.2I _n	≤2h tripping	Start after 1	+40°C±2°C

Selection

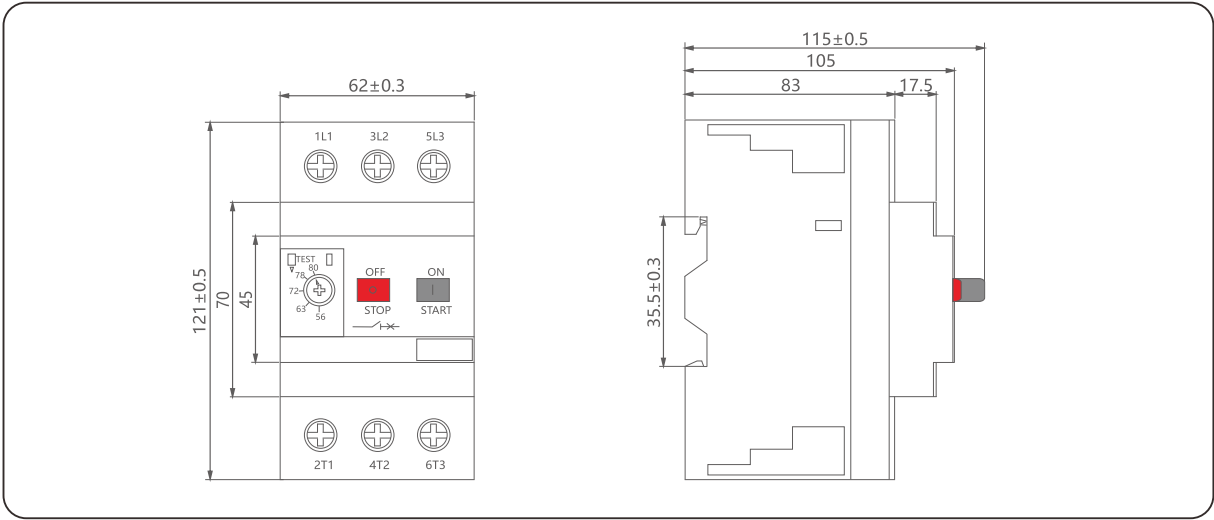
CP7	25	1.6-2.5
Model	Frame Size	Setting Current Scope
Motor Starter	25 80	Frame Size 25: 0.1-0.16 0.16-0.25 0.25-0.4 0.4-0.63 0.63-1 1-1.6 1.6-2.5 2.5-4 4-6.3 6-10 9-14 13-18 17-23 20-25 24-32 Frame Size 80: 6-10 10-16 14-20 16-25 25-40 40-63 56-80

Dimensions and Installation Sizes(mm)

CP7-25



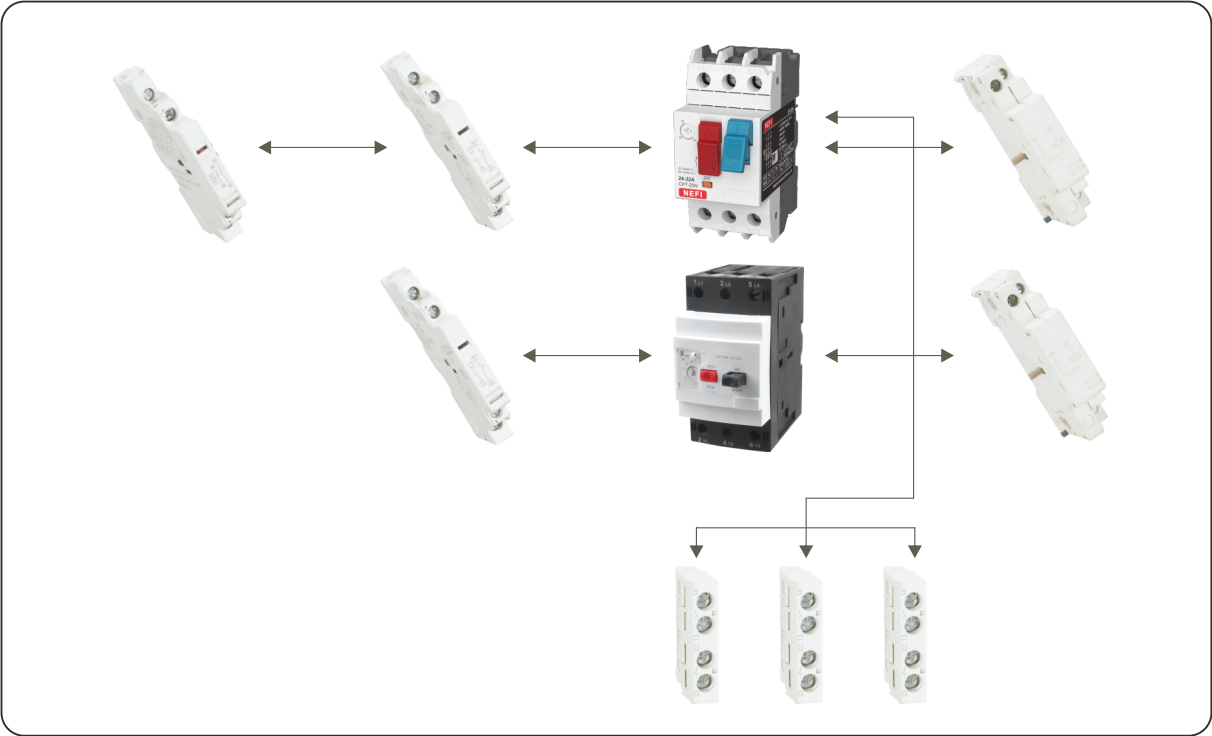
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Motor Rating Table

Type	Standard power ratings of 3-phase molors 50/60Hz in category AC-3						Current setting range
	220V	380V	415V	440V	500V	660V	
	kW	kW	kW	kW	kW	kW	
CP7-25-ME01	-	-	-	-	-	-	0.1-0.16
CP7-25-ME02	-	-	-	-	-	-	0.16-0.25
CP7-25-ME03	-	-	-	-	-	-	0.25-0.4
CP7-25-ME04	-	-	-	-	-	0.37	0.4-0.63
CP7-25-ME05	-	-	-	0.37	0.37	0.55	0.63-1
CP7-25-ME06	-	0.37	-	0.55	0.75	1.1	1-1.6
CP7-25-ME07	0.37	0.75	0.75	1.1	1.1	1.5	1.6-2.5
CP7-25-ME08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
CP7-25-ME10	1.1	2.2	2.2	3	3.7	4	4-6.3
CP7-25-ME14	2.2	4	4	4	5.5	7.5	6-10
CP7-25-ME16	3	5.5	5.5	7.5	7.5	9	9-14
CP7-25-ME20	4	7.5	9	9	9	11	13-18
CP7-25-ME21	5.5	11	11	11	11	15	17-23
CP7-25-ME22	5.5	11	11	11	15	18.5	20-25
CP7-25-ME32	7.5	15	15	15	18.5	26	24-32
CP7-80-ME10	1.1	2.2	2.2	3	3.7	4	6-10
CP7-80-ME16	2.2	4	4	4	5.5	7.5	10-16
CP7-80-ME20	4	7.5	7.5	7.5	10	11	14-20
CP7-80-ME25	5.5	11	11	11	15	18.5	16-25
CP7-80-ME40	11	18.5	22	22	25	33	25-40
CP7-80-ME63	15	30	33	33	40	55	40-63
CP7-80-ME80	22	40	45	45	55	63	56-80

Accessories



Contacts of Accessories

Names of accessories	Code	The types of contacts		Installation place
Instantaneous auxiliary contacts	Ae1	1NO/1NC		The front of breaker (1PCS can be installed)
	AE11	1NO+NC		
	AE20	2NO		
	AN11	1NO+1NC		The left of breaker (4PCS can be installed)
	AN20	2NO		
Instantaneous auxiliary contacts	AD1010	Constant-open trouble	NO	
	AD1001		NC	
	AD0110	Constant-closed trouble	NO	
	AD0101		NC	

Electric Disjointing

Names of accessories	Code	Voltage	installation place
Lack-voltage disjointing	Au115	100-127V 50Hz	The right of breaker (1 PCS can be installed)
	Au225	220-240V 50Hz	
	Au385	380-415V 50Hz	
Division disjointing	As115	100-127V 50Hz	
	As225	220-240V 50Hz	
	As385	380-415V 50Hz	

The Protective Case of Breaker

Names of accessories	The protection grade of case	Code
External installation shell	IP41	MC01
	IP55	MC02
	IP65	MCO3