

CONTACTORS

ALTERNATE CURRENT

- AC-1 Non inductive or slightly inductive loads, resistance furnaces
- AC-2 Slip-ring motors starting, switching off
- AC-3 Squirrel-cage motors: starting, switching off motors during running.
- AC-4 Squirrel-cage motors: starting, plugging(1), inching(1)
- AC-5a Switching of electric discharge lamp controls
- AC-5b Switching of incandescent lamps AC-6a Switching of transformers
- AC-6b Switching of capacitor banks

DIRECT CURRENT

- DC-1 Non-inductive or slightly inductive loads, resistance furnaces.
- DC-3 Shunt-motors : starting, plugging(1) inching(2), dynamic braking of DC motors
- DC-5 Series-motors: starting, plugging(1) inching(1), dynamic braking of DC motors
- DC-6 Switching of incandescent lamps

CONTROL CIRCUIT DEVICES (IEC 947-5-1)

- AC-14 Control of small electromagnet loads (<=72VA)
- AC-15 control of electromagnet loads (> 72 VA)

DIRECT CURRENT

- DC-13 Control of electromagnets

Each utilization category is characterised by the values of the currents to be made and switched (expressed as multiples of the rated operational current) and by the relevant voltages, power factor (AC duties) or time constant (DC duties) under normal or occasional conditions.

Note :

- (1) Plugging is understood to be stopping or reversing the motor rapidly by reversing motor primary connections while the motor is running.
- (2) Inching (jogging) is understood to refer to energizing a motor once or repeatedly for short periods to obtain small movements of the driven mechanism.
- (3) Values indicated apply to stator contactors. For rotor contactors, a test will be carried out with a current value equivalent to 4 times the rotor rated current & with $\cos \phi = 0.95$
- (4) Test carried out with a load of incandescent lamps.
- (5) The value 6P (W) is obtained from an empirical formula & represents the significant part of the D.C. magnetic loads upto the top limit of P=50W or 6P=300ms. Loads having an energy consumption over 50W are constituted by parallel lower wattage loads, consequently, 300ms must be considered a top limit whatever is the value of Power consumption.



> Specification

Type	CJX2-D09	CJX2-D12	CJX2-D18	CJX2-D25	CJX2-D32	CJX2-D40	CJX2-D50	CJX2-D65	CJX2-D80	CJX2-D95	
Rated working current (A)	AC3	9	12	18	25	32	40	50	65	80	95
	AC4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
Standard power ratings of 3-phase motors 50/60Hz in category AC-3	220/230V	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	380/400V	4	5.5	7.5	11	15	18.5	22	30	37	45
	415V	4	5.5	9	11	15	22	25	37	45	45
	500V	5.5	7.5	10	15	18.5	22	30	37	55	55
	660/690V	5.5	7.5	10	15	18.5	30	33	37	45	55
Rated thermal current (A)		20	20	32	40	50	60	80	80	125	125
Electrical life	AC3 (x10 ⁴)	100	100	100	100	80	80	60	60	60	60
	AC4 (x10 ⁴)	20	20	20	20	20	15	15	15	10	10
Mechanical life (x10 ⁴)		1000	1000	1000	1000	800	800	800	600	600	600
Number of the contacts		3P+NO				3P+NC+NO					
		3P+NC									



Contact Configuration: 3 Phase, 1NO+1NC

Range:

Contactors comes in total 10 Ratings in 3 pole versions from 9A to 95A with DIN channel mounting /screw mounting facility, and available in power rating 4kW to 45kW, 10 ratings in 6 frame sizes.

Designed to meet or exceed IEC-60947-1.

BVQi Certified

CE Marked

ISO 9001:2000 certified company

Features :

Common side & front mounted auxiliary contact blocks upto 80A.

Top & bottom wiring option for coils upto 80A conductor.

Front access to contacts.

Shrouded terminals for safety against accidental touch.

Liberal creepage values & superior grade housing material.

DIN Rail mounting upto 170A Contactors.

Wide range of accessories such as add on Auxiliary Contact Block - front & side mounted, Electronic Star Delta Timer, Surge Suppressors.

