

SL-CP15
AC Contactor



Function

SL-CP15 AC Contactor is suitable for using in the circuits of AC 50Hz or 60Hz, rated insulating voltage 660V, rated operating voltage up to 690V, rated operating voltage 380/400V in AC-3 type, rated operating current up to 95A, for making, breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & mechanical interlocking device etc, it becomes the delay contactor, mechanical interlocking contactor, stardelta starter. With the thermal relay, it is combined into the electromagnetic starter. The contactor is produced according to IEC60947-4. The product is CE certified.

Code of Coil

Coil voltage Us(V)	24	36	48	110	127	220	230	240	380	415	440	480	500	600	660
50Hz	B5	C5	E5	F5	G5	M5	P5	U5	Q5	N5	R5	-	S5	-	Y5
60Hz	B6	-	E6	F6	G6	M6	P6	U6	Q6	N6	R6	T6	-	S6	-
50/60Hz	B7	-	E7	F7	-	M7	P7	-	Q7	N7	R7	-	-	-	-

Specification of Coil

Type	SLPC-1509	SL-CP1512	SL-CP1518	SL-CP1525	SL-CP1532	SL-CP1540	SL-CP1550	SL-CP1565	SL-CP1580	SL-CP1595
Coil power	Pick-up (VA)	70	70	70	110	110	200	200	200	200
	Holding (VA)	8	8	8	11	11	20	20	20	20
	Power (W)	1.8~2.8	1.8~2.8	1.8~2.8	3~4	3~4	6~10	6~10	6~10	6~10

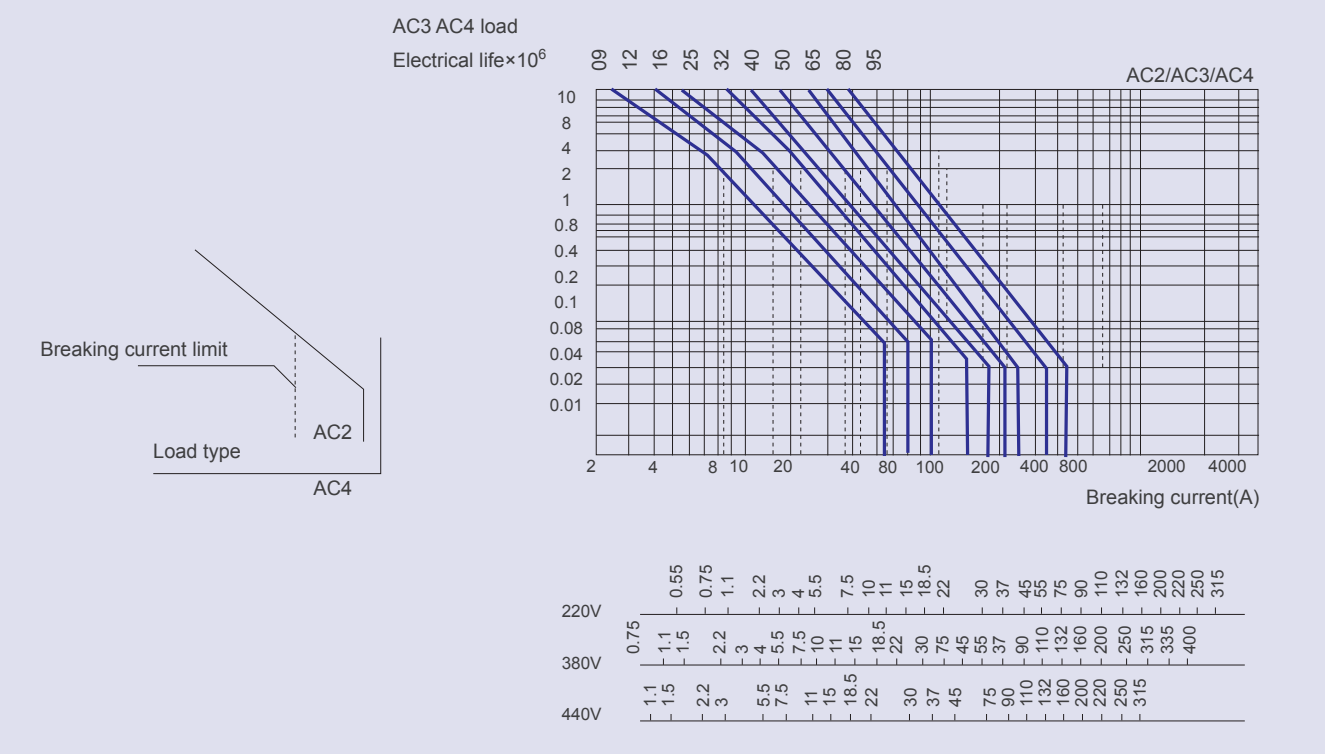
Technical Data

Type			SL-CP1509	SL-CP1512	SL-CP1518	SL-CP1525	SL-CP1532	SL-CP1540	SL-CP1550	SL-CP1565	SL-CP1580	SL-CP1595
Rated working current(Ie)	380V	AC-3	9	12	18	25	32	40	50	65	80	95
		AC-4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
	660V	AC-3	6.6	8.9	12	18	21	34	39	42	49	55
		AC-4	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Rated insulating voltage (Ui) V			660	660	660	660	660	660	660	660	660	660
Conventional heating current (Ith)A			20	20	32	40	50	60	80	80	125	125
Controllable 3-phase squirrel-cage motor power(AC-3)kW	220V	2.2	3	4	5.5	7.5	11	15	18.5	22	25	25
	380V	4	5.5	7.5	11	15	18.5	22	30	37	45	45
	660V	5.5	7.5	9	15	18.5	30	33	37	45	45	45
AC-3	Electrical life (10 ⁴)times		100	100	100	100	80	80	80	80	60	60
	Operation frequency (times/h)		1200	1200	1200	1200	600	600	600	600	600	600
AC-4	Electrical life (10 ⁴)times		20	20	20	20	15	15	15	15	10	10
	Operation frequency (times/h)		300	300	300	300	300	300	300	300	300	300
Mechanical life (10 ⁴) times			1000	1000	1000	1000	800	800	800	800	600	600
Auxiliary contact	Conventional heating current (Ith)A		10									
	Rated working voltage (Ue)V		AC 380 DC 220									
	Rated control capacity		360VA(AC-15) of 33W(DC-13)									
	Electrical life(10 ⁴) times		100									
	Mechanical life (10 ⁴) times		1000									
	Minimum load of making		6V 10mA									
Coil	Rated control voltage (Us) V		24,36,48,110,127,220,240,380,400 (see below the specifications of coil)									
	Operate voltage V		85%~110%Us									
	Release voltage V		20%~75%Us									
	Operate VA		70	70	70	110	110	200	200	200	200	200
	Holding VA		8	8	8	11	11	20	20	20	20	20
	Power W		1.8~2.8	1.8~2.8	1.8~2.8	3~4	3~4	6~10	6~10	6~10	6~10	6~10
Matched fuse type and current			RT16-20	RT16-20	RT16-32	RT16-40	RT16-50	RT16-63	RT16-80	RT16-80	RT16-100	RT16-125
Cable connected	Number of cable	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2
with terminal	Soft cable	2.5 2.5	2.5 2.5	4 4	4 4	4 4	6 6	10 10	16 16	25 25	50 25	25 50
mm ²	Solid cable	4 4	4 4	6 6	6 6	6 6	10 10	16 -	25 -	25 -	50 -	50 -

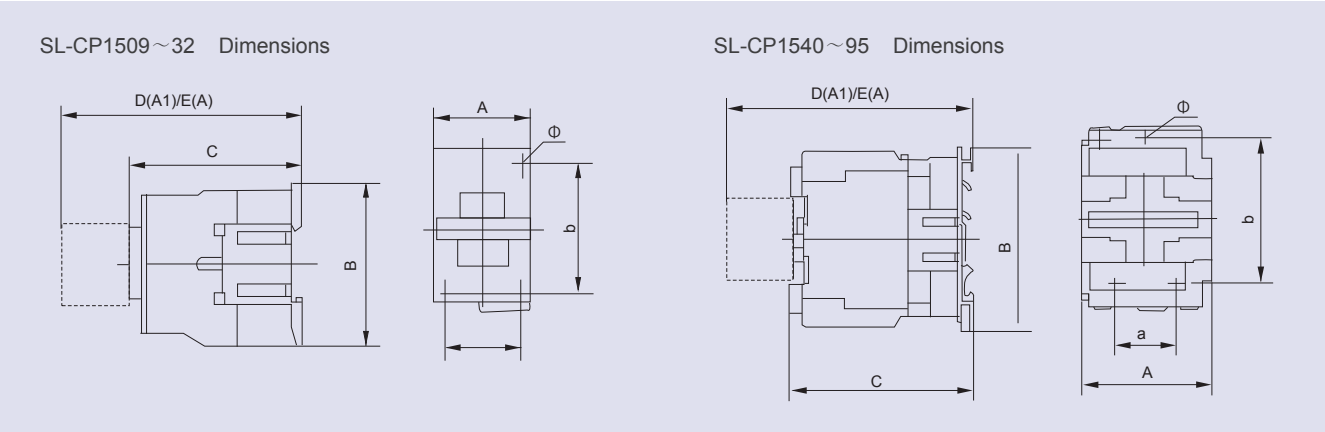
Nomenclature

EBS	1C	-	09	10	/	P	5	
								Frequency of coil: 5: 50Hz 6: 60HZ 7: 50/60Hz
								Voltage of coil:P:230V U:240V Q:380V...
								Number of auxiliary contact
								Rated operating current
								Design code
								Company code

Electrical Life Curve



Dimensions



Type	A max	B max	C max	D max	E max	a	b	Φ
SL-CP1509-12	47	76	82	113	133	34/35	50/60	4.5
SL-CP1518	47	76	87	118	138	34/35	50/60	4.5
SL-CP1525	57	86	95	126	146	40	48	4.5
SL-CP1532	57	86	100	131	151	40	48	4.5
SL-CP1540~65	77	129	116	145	165	40	100/110	6.5
SL-CP1580~95	87	129	127	175	195	40	100/110	6.5

A) Ambient temperature: the upper limit shall not exceed +40°C; the average value within 24 hours shall not exceed +30°C; the lower limit shall be not less than -5°C;

B) Altitude: Installation altitude shall not exceed 2000m.

C) Atmosphere conditions: Relative humidity shall not exceed 50% when the ambient temperature is +40°C. Higher relative humidity is permissible at lower temperature, for example, it can be 90% at 20°C. Special measures should be taken to address the dew occurred occasionally due to temperature changes.

D) Anti-pollution degree: III

E) Installation category: III

F) Installation conditions: Slant of contactor mounting surface shall not exceed $\pm 5^\circ$. Contactor can also be installed with TH type DIN rails of 35mm (32A and below) and 35mm or 75mm (40A and above) other than by.

G) Shock: Contactors can be installed and used in situation with frequency 2~13.2 Hz, amplitude within ± 1 mm or places with frequency 13.2~100 Hz and acceleration within ± 7 m/s²



SL-CP1518



SL-CP1532



SL-CP1580

3Poles					Type code	
Rated operating current (AC-3) up to 400V (A)	Conventional heating current I _{th} (A)	Power of controlled 3-phase cage motor (AC-3)			Auxiliary contact 	230V AC 50Hz Please contact us for other coil specifications.
		220V 230V	380V 400V	660V 690V		
9	20	2.2	4	5.5	1	0910P5
					- 1	0901P5
12	20	3	5.5	7.5	1	1210P5
					- 1	1201P5
18	32	4	7.5	9	1	1810P5
					- 1	1801P5
25	40	5.5	11	15	1	2510P5
					- 1	2501P5
32	50	7.5	15	18.5	1	3210P5
					- 1	3201P5
40	60	11	18.5	30	1 1	4011P5
50	80	15	22	33	1 1	5011P5
65	80	18.5	30	37	1 1	6511P5
80	110	22	37	45	1 1	8011P5
95	110	25	45	45	1 1	9511P5

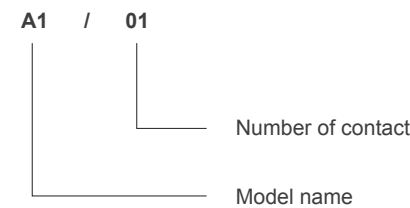
Accessories

Auxiliary coil



SL-CP15AUA-A11

Nomenclature

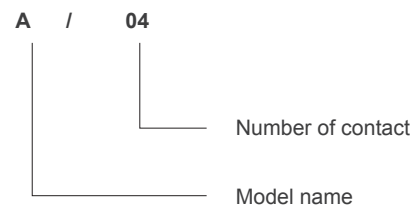


0	2	Top hung	1C-A1/02
1	1	Top hung	1C-A1/11
2	0	Top hung	1C-A1/20

SL-CP15AUX-A04

Auxiliary contact group

Nomenclature



0	4	Top hung	1C-A1/04
1	3	Top hung	1C-A1/13
2	2	Top hung	1C-A1/22
3	1	Top hung	1C-A1/31
4	0	Top hung	1C-A1/40

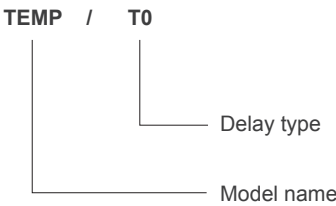
Auxiliary Interlock



SL-CP15TEMP

Time-delay auxiliary contact

Nomenclature



Time delay auxiliary contact

Type of contact	Delay Type	Delay Scope	Type code	
				
1	1	making	0.1~3s	TEMP/T0
		time-delay	0.1~30s	TEMP/T2
			10~180s	TEMP/T4
		breaking	0.1~3s	TEMP/R0
		time-delay	0.1~30s	TEMP/R2
			10~180s	TEMP/R4

SL-CP16D

Thermal Relay



Function

SL-CP16D Series overload relays apply to circuit of AC 50Hz or 60Hz, rated voltage to below 660V and rated current 0.1A~93A for AC motor overload and single phase protection during long time or intermittent long time service,which can also protect three phase serious imbalance and long starting time of motor or long time operation, can also be used for corresponding AC contactor for electromagnetic starter.

This product has innovative, elegant model and small installation area, functions such as temperature compensation, action indication, automatic and manual reset, stop with steady and reliable performance

Thermal relay can be combined/connected with contactor or installed separately.

Standard: IEC 60947-4-1

Structural Features

- 3-phase bimetal type
- With overload and open-phase protection
- With setting current continuous adjustable apparatus
- With temperature compensation
- With action indication
- With testing mechanism
- With stop button
- With manual and automatic reset button
- With electrically separable normal open and normal closed contacts
- Installation method: plug installation with contactor or independent installation

Ambient temperature: The upper limit shall not exceed+40°C; the average value within 24 hours shall not exceed+35°C; the lower limit shall be not less than -5°C.

Atmosphere conditions: Relative humidity shall not exceed 50% when the ambient temperature is +40°C. Higher relative humidity is permissible at lower temperature, for example,it can reach 90% at 20°C. Special measures should be taken to address the dew occurred occasionally due to temperaturechanges.

Altitude: Installation altitude shall not exceed 2000m.

Anti-pollution degree:III.

Installation category:III.

Installation conditions: Install at proper working position, slant of contactor mounting surface shall not exceed±5°.Thermal relay shall be installed in places with no obvious shake or shock.

Environmental protection: Sufficient consideration of enviro-nmental protection factors has been taken in design process by adopting retrievable and naturally degradable materials in components.

Technical Data

Type			SL-CP16D-25	SL-CP16D-36	SL-CP16D-93
Standard			IEC60947-4-1		
Rated working current (Ie)		A	25	36	93
Rated insulating voltage (Ui)		V	660	660	660
Phase failure protection function			√	√	√
Automatic & manual reset			√	√	√
Temperature compensation			√	√	√
Releasing indicator			√	√	√
Test & stop pushbutton			√	√	√
Auxiliary contacts					
Rated current	AC-15 230V	A	2.73	2.73	2.73
	AC-15 380V	A	1.58	1.58	1.58
	DC-13 230V	A	0.2	0.2	0.2
Ambient air temperature			℃	-5~+40	-5~+40
Altitude	max.	meter	2000	2000	2000
Pollution grade			3	3	3
Installation category			3	3	3
Mounting type	Independent		√	√	√
	Plug-in		√	√	√