

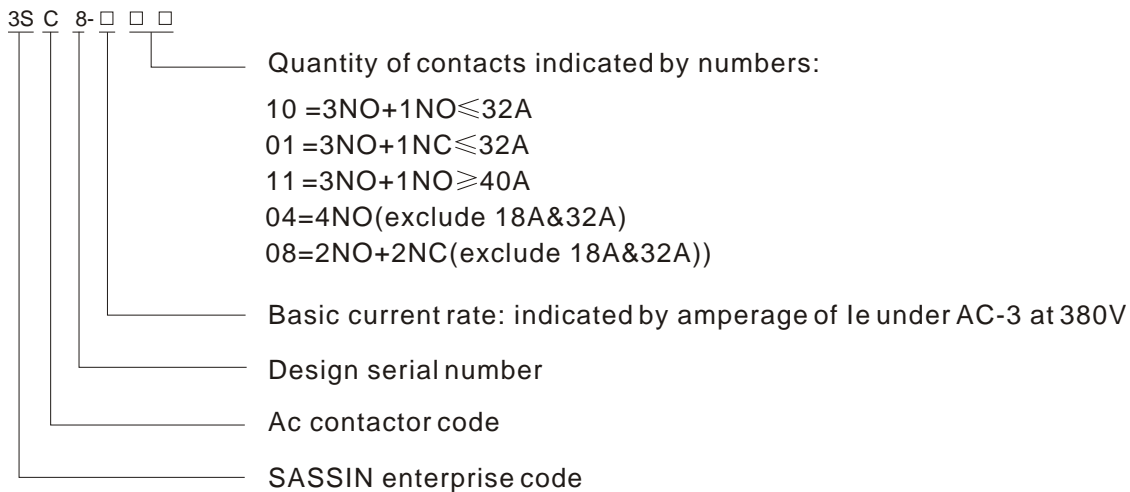


3SC8 AC Contactor

Application

3SC8 AC Contactor is suitable for using in the circuits up to the rated voltage 660V AC 50Hz or 60Hz, rated 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, star - delta starter. With the thermal relay, it is combined into the electromagnetic starter. The contactor is produced according to IEC60947-4. The product is CB and SEMKO certified by INTERTEK.

Meanings of types and classifications:



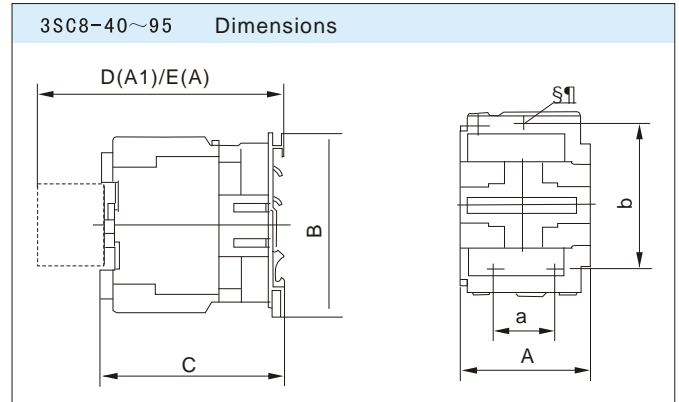
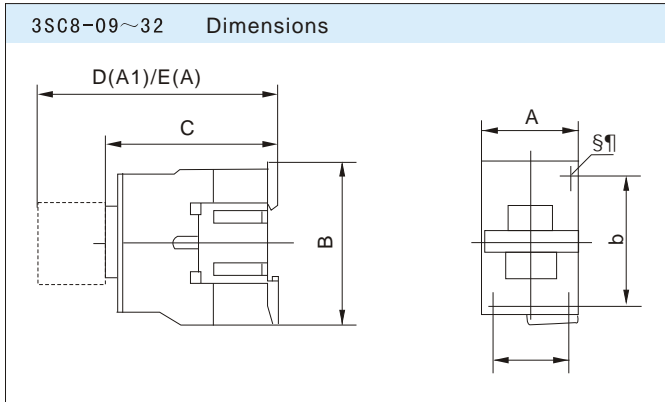
Standard Control Circuit Voltages

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

■ Standard Control Circuit Voltages

Parameters			Type																		
			3SC8-9	3SC8-12	3SC8-18	3SC8-25	3SC8-32	3SC8-40	3SC8-50	3SC8-65	3SC8-80	3SC8-95									
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																		
Conventional heating current (Ith)A			20		32	40	50	60	80			110									
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										
	380V	4	5.5	7.5	11	15	18.5	22	30	37	45										
	660V	5.5	7.5	9	15	18.5	30	33	37	45	45										
AC-3	Electrical life(10 ⁴) times	100					80					60									
	Operation frequency(times/h)	1200					600														
AC-4	Electrical life(10 ⁴) times	20					15					10									
	Operation frequency(times/h)	300																			
Mechanical life (10 ⁴) times			1000				800				600										
Auxiliary contact	Conventional heat current (Ith) A	10																			
	Rated working voltage (Ue)V	AC 380					DC 220														
	Rated control capacity	360VA(AC-15) or 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																			
	Pull-in voltage V	85%~110%Us																			
	Release voltage V	20%~75%Us																			
	Pull-in VA	70				110				200											
	Holding VA	8				11				20											
	Power W	1.8~2.8				3~4				6~10											
Matched fuse type and current			RT16-20		RT16-32	RT16-40	RT16-50	RT16-63	RT16-80			RT16-100	RT15-110								
Wire connected with terminal mm ²	Number of wire	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
	Soft wire	2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10	16	16	25	25	50	25	50	25
	Hard wire	4	4	4	4	6	6	6	6	10	10	16	-	25	-	25	-	50	-	50	-

■ Dimensions



Type	A max	B max	C max	D max	E max	a	b	Φ
3SC8-09-12	47	76	82	113	133	34/35	50/60	4.5
3SC8-18	47	76	87	118	138	34/35	50/60	4.5
3SC8-25	57	86	95	126	146	40	48	4.5
3SC8-32	57	86	100	131	151	40	48	4.5
3SC8-40~65	77	129	116	145	165	40	100/110	6.5
3SC8-80~95	87	129	127	175	195	40	100/110	6.5



■ Normal application and installation conditions

- A) Ambient air 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 reach 90% at 20°C. Special measures should be taken to address the dew occurred occasionally due to temperature changes.
- D) Pollution degree: Pollution degree of breaker is grade 3
- E) Installation category: Installation category of breaker is III
- F) Installation conditions: Slant of contactor mounting surface shall not exceed ±5° . Contactor can also be installed with TH type DIN rails of 35mm (32A and below) and 35mm or 75mm (40A and above) except screws.
- G) Shock: Contactors can be installed and used in places with frequency 2~13.2 Hz, amplitude within ±1mm or places with frequency 13.2~100 Hz and acceleration within ±7m/s²
- H) Environment protection: Sufficient consideration of environmental protection factors has been taken in design process by adopting retrievable and naturally degradable materials in components. E.g. plastic material adopts Dutch DMC environmental protection plastics.
- I) duty: contactor applies to 8 hour working duty, uninterrupted duty and intermittent cyclic/periodic duty (load factor 40%).
- J) protection level: IP20