

Application:

STC8 series AC contactor (hereinafter called contactor) are mainly used for the circuit rated operating voltage up to 660V A.C.50Hz (or 60Hz).Using A.C-3, When the rated operating voltage of channel is 380V,therated running current is up to 95A, the contactor can switch on or off long distance channel. With the suitable overload thermal relay together, the contactor can compose the electromagnetic starter to protect the channel which may be overload. The contactor is suitable for frequently starting and controlling the A.C. motor.

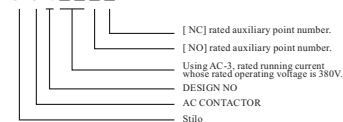
Normal working conditions:

1. Air temperature around: -5°C~+40 , In the course of 24 hours, the average is not more than +35 .
2. Elevation: Not more than 2000m.
3. Atmosphere conditions: When the air temperature is +40 , the atmospheric relative humidity is not more than 50%. When the temperature is lower, the relative humidity may be higher. The lowest temperature of monthly average in the wettest month is not more than +25 , and the highest relative humidity of monthly average in this month is not more than 90%. Think about the dewdrop on the product due to the change of the temperature.
4. Pollution grade: III
5. Installation classification: III
6. Installation condition: Contactor should be vertically installed
7. Shock:
 - The product should be installed on a still location without vibration.

1

Type and implication

ST C 8 □ □ □ □



- [NC] rated auxiliary point number.
- [NO] rated auxiliary point number.
- Using AC-3, rated running current whose rated operating voltage is 380V.
- DESIGN NO
- AC CONTACTOR
- Stilo

Technical Specifications

1. The main technical function of the contactor refer to table one.
2. The operating voltage Us of contator coil: 12, 24, 36, 48, 110, 127, 220, 240, 380, 415, 440, 660v
3. Character of motion: picked up voltage : 85% ~ 110% Us. Released voltage: 20% ~ 75% Us.
4. Under 32A, the contactor itself has a pair of often "ON" or "OFF" rated auxiliary point group can be added. (every kind of combination of "NO" and "NC" is allowed). Table two shows the basic parameter and function.

Table one

Using classification	Rated operating voltage V	Appointed calorific current A	Rated operating current A	Controlled capacity	
				Switch on	Switch off
AC-15	380	10	0.95	3600VA	3600VA
DC-30	220		0.15	33W	33W

Structure characteristics:

1. The contactors not only have the advantages of small volume and light weight, but also have good effect of saving energy long life safety and so on.
2. Use cordwood installation way to install rated Aux point group, air delay point, thermorelay and some other accessories, which can be combined into many kinds of derivation series products.

2

Table two

Type	STC8																					
	09	12	18	25	32	40	50	65	80	95	09	12	18	25	32	40	50	65	80	95		
Rated running current (A)	380V AC3	3.5	5	7.7	8.5	12	18.5	24	28	37	44	660V AC3	6.6	8.9	12	18	21	34	39	42	49	55
	660V AC4	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3	660V AC4	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Appointed calorific current (A)	25	25	32	40	50	60	80	80	125	125	25	25	32	40	50	60	80	80	125	125		
Maximum non-operating current (A)	380V	90	120	180	250	320	400	500	650	800	950	660V	108	144	216	300	384	480	600	780	960	1140
	380V	72	96	144	200	256	320	400	520	640	760	660V	90	120	180	250	320	400	500	650	800	950
Controlled power of phase 3 squirrel cage motor AC3(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	55	660V	5.5	7.5	9	15	18.5	30	33	37	45	55
Operating frequency (times/h)	AC3	1200						600						AC4	300							
	AC4	3600 or 7200																				
Electrical life	AC3	1000000				800000				600000				AC4	200000							
	AC4	150000																				
Mechanical life	AC3	10000000				8000000				6000000				AC4	1500000							
	AC4	1500000																				
Fuse size	NT00-16	NT00-20	NT00-25	NT00-32	NT00-50	NT00-63	NT00-63	NT00-80	NT00-100	NT00-120	NT00-16	NT00-20	NT00-25	NT00-32	NT00-50	NT00-63	NT00-63	NT00-80	NT00-100	NT00-120		

3

3. Besides screws, it can be installed with standard international installation rail of 35mm, 75mm, and Type "L"

Appearance and Installation Size.

According to specifications, Figure one, Figure two and Table three show the contactor's appearance and installation size.

Installation Operation and MAINTENANCE

1. Before installation, check up the technical data on the coil (For example, the rated voltage, current, operating frequency and so on are suitable for the power).
2. While installing, according to the provided installation conditions.
 - The connection terminal A of the contactor coil must be upward, which accords with people's usual habit.
3. The connection screw should be wrung tightly. Under the conditions of rated point without electricity, after checking up the connection right, the attractive coil should be electrified several times.
 - It can not be used until the test is reliable.
4. If you find unusual noise when you are operating the contactor, maybe some dirt is on the iron core pole face. Please wipe the pole face clean.

4



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5. In the course of using, you should check up every part of the product regularly. Some parts which can be moved shouldn't be blocked. Clamping units shouldn't be loosened. If some parts are damaged, you should replace them in time.



Figure 1 STC8 09-32

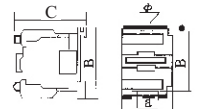


Figure 2 STC8 40-95

6. STC8 AC contactor can be combined with 3SCA1 3SCA2 3SCA3 3SCA4 3SCA5 3SR1 3SRJ8 and suit to different requirement combination on figure 3.

5

Table three

Contactur Type	Amax	Bmax	Cmax	a	b	φ	Notes
STC8 09-12	47	76	82	34/35	50/60	4.5	It can also be with installation rail of 35mm
STC8-18	47	76	87	34/35	50/60	4.5	
STC8-25	57	86	95	40	48	4.5	
STC8-32	57	86	100	40	48	4.5	It can be installed with installation rail of 75mm
STC8 40-65	77	129	116	40	100/110	6.5	
STC8 80-95	87	129	127	40	100/110	6.5	

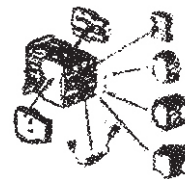


Figure 3

6

Manual
AC Contactor
STC8

Használati Utasítás
Mágneskapcsoló
STC8

Instrucțiuni
de folosire întrerupător diferențial
STC8

Návod na použitie
Stykače
STC8

Bedienungsanleitung
Magnetschalter
STC8

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