

3

| | | |
|---------------|-----------------------------------|-----|
| 3SC8 | AC Contactor (9-95A) | 1~4 |
| 3SC8 | AC Contactor (115-620A) | 5~6 |
| 3SC8-F | AC Contactor (115-780A) | 7 |
| 3SC19 | Capacitor Switching Contactor | 8~9 |
| 3SC7-F | AC Contactor | 10 |
| 3SC7-B | AC Contactor | 11 |
| 3SC8-D/N | Mechanical Interlocking Contactor | 12 |
| 3SC7-F/N | Mechanical Interlocking Contactor | 12 |
| 3SC8-F/N | Range reversing Contactor | 13 |
| 3SC8-A1 | Accessories | 14 |
| 3SC8-A2 | Accessories | 14 |
| 3SC8-P | DC Operated AC Contactor | 15 |
| 3SC8-E/3SC8-K | AC Contactor | 16 |
| 3SM19 | Motor Protection Circuit Breaker | 17 |
| 3SM18 | Motor Protection Circuit Breaker | 18 |
| 3SCJ9K | Definite Purpose Contactor | 19 |



3SC8 AC Contactor

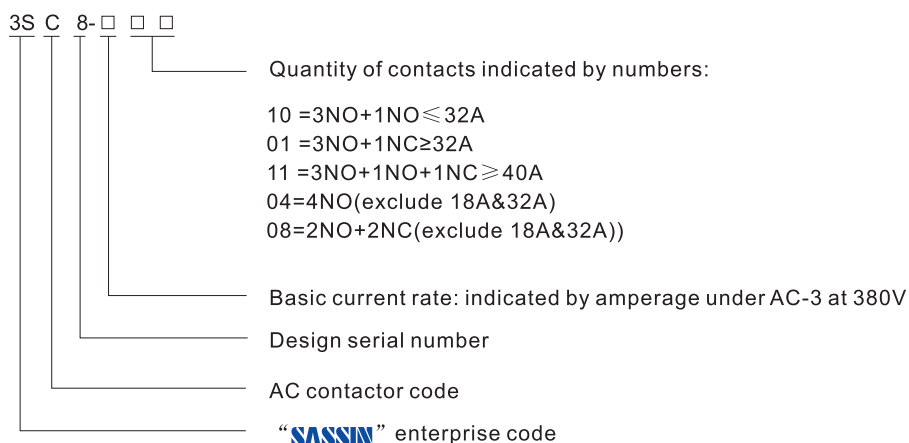
■ Application

3SC8 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, 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 SEMKO certified by INTERTEK.

■ Applicable standard

International Standard: IEC 60947-4-1

■ Type and meanings



Notes: Contactor's base and contact support have black and white colors for selection

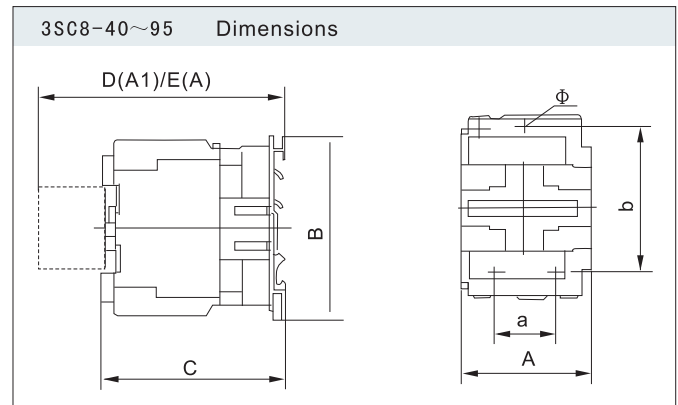
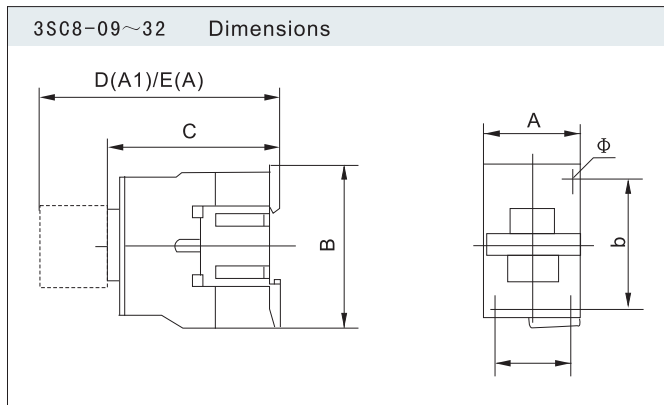
■ Standard Control Circuit Voltages

| 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 | - | - | - | - | |

■ Main PERFORMANCE Parameter

| 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 thermal 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 thermal 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 | 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

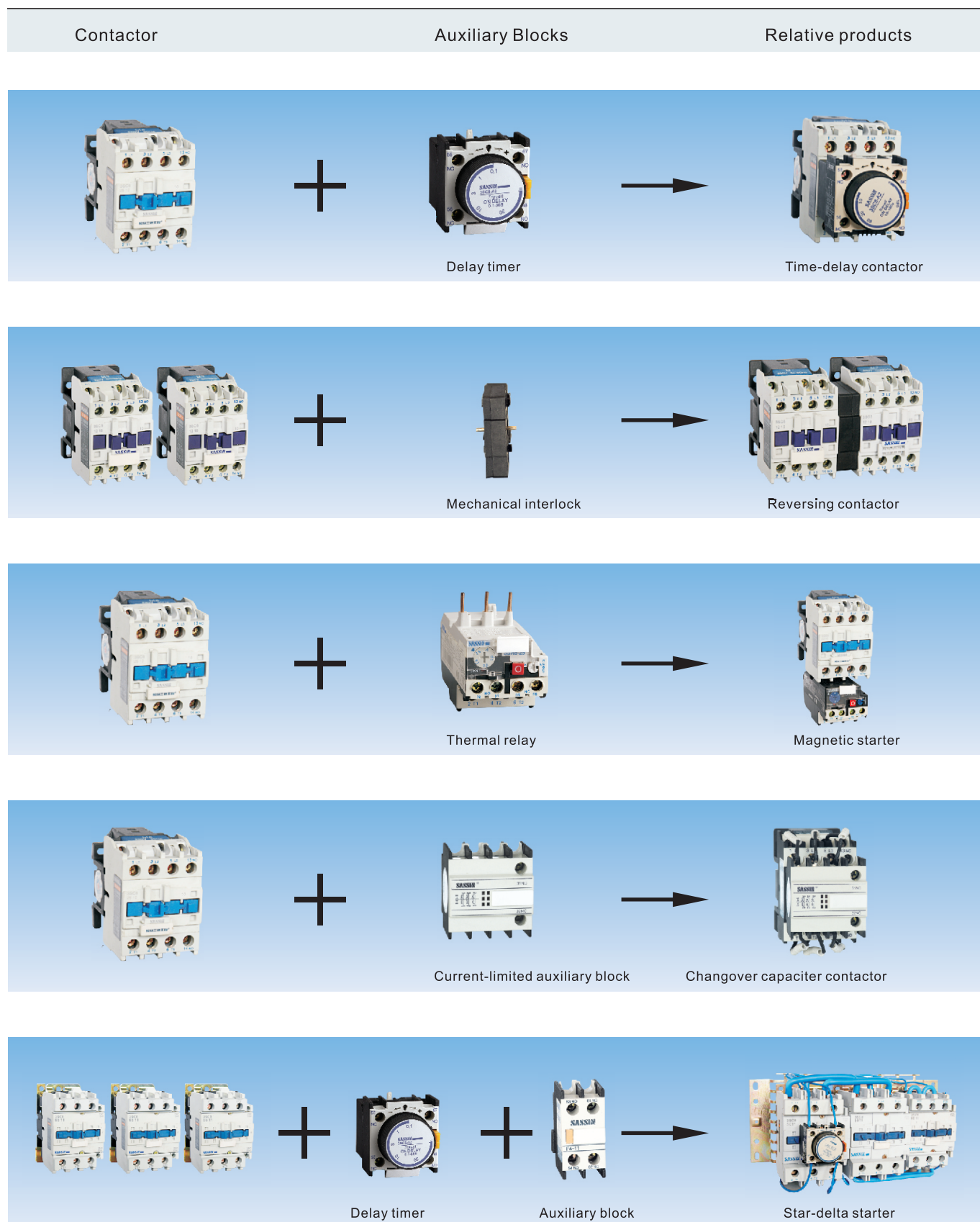


| Type | A max | B max | C max | D max | E max | a | b | Φ |
|------------|-------|-------|-------|-------|-------|-------|---------|-----|
| 3SC8-09-12 | 47 | 76 | 82 | 113 | 133 | 34/35 | 50/60 | 4.5 |
| 3SC8-18 | 47 | 76 | 87 | 118 | 138 | 34/35 | 50/60 | 4.5 |
| 3SC8-25 | 57 | 86 | 95 | 126 | 146 | 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 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:
- E) Installation category:
- 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) except screws.
- G) Shock: Contactors can be installed and used in situation with frequency 2~13.2 Hz, amplitude within $\pm 1\text{mm}$ or places with frequency 13.2~100 Hz and acceleration within $\pm 7\text{m/s}^2$
- H) Environment protection: environmental protection factor has been taken into consideration in design process by adopting retrievable and naturally degradable materials into 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

■ Derivative products of AC contactor, please refer to picture below





3SC8-115~245 Contactor

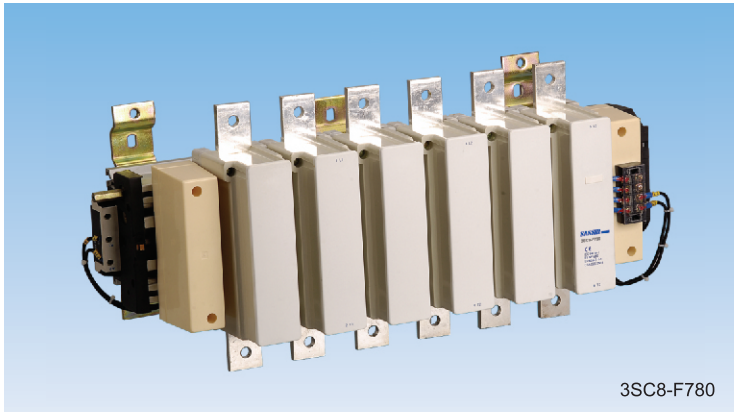
■ Specifications

| Type of product | | | 3SC8-115 | 3SC8-150 | 3SC8-170 | 3SC8-205 | 3SC8-245 |
|--|------------|-----------------|------------------------------------|------------------------------------|------------------------------------|--------------------|--------------------|
| Rated current AC3 $U_e \leq 440V$ | | A | 115 | 150 | 170 | 205 | 245 |
| Rated heating current AC10 $U_e \leq 40^\circ$ | | A | 200 | 250 | 250 | 275 | 315 |
| Rated power AC3 Three-phase motor $0 \leq 40^\circ$ | 220/240V | KW | 30 | 40 | 55 | 63 | 75 |
| | 380/400V | KW | 55 | 75 | 90 | 110 | 132 |
| | 400V | KW | 59 | 80 | 100 | 110 | 132 |
| | 500V | KW | 75 | 90 | 110 | 120 | 160 |
| | 600/690V | KW | 80 | 100 | 110 | 129 | 160 |
| | 1000V | KW | 75 | 90 | 100 | 100 | 147 |
| Rated power AC4 Three-phase motor $0 < 40$ | 200/230V | KW | 9 | 11 | 22 | 25 | 30 |
| | 380/400V | KW | 18.5 | 22 | 40 | 45 | 55 |
| | 440V | KW | 18.5 | 22 | 45 | 51 | 63 |
| | 500V | KW | 30 | 37 | 51 | 59 | 75 |
| Weight | | Kg | 2.25 | 2.25 | 2.25 | 4.6 | 4.7 |
| Volume L x W x H | | MM ³ | 132 x 120 x 158 | 132 x 120 x 158 | 132 x 120 x 158 | 168.5 x 174 x 181 | 168.5 x 197 x 181 |
| Section of power connecting wire | | MM ² | 120 | 120 | 120 | 150 2□25 x 3 | 185 2□25 x 4 |
| Installment Bolt H x L-φ Guiding rail: Number of guiding rail x Width of rail x Rail center distance | | MM | 130 x (95-110)-6.5 2 x 35 x 100 | 130 x (95-110)-6.5 2 x 35 x 100 | 130 x (95-110)-6.5 2 x 35 x 100 | (106-120) x 80-6.5 | (106-120) x 96-6.5 |
| Reference model | | | LC1-D115 | LC1-D150 | LC1-D170 | LC1-D205 | LC1-D245 |
| Control Circuit Voltage | AC 50Hz | V | 24(B5) | 42(D5) 48(E5) | 110(F5) | 220(M5) 240(U5) | 380(Q5) |
| | AC 60Hz | V | 24(B6) | 42(D6) 48(E6) | 110(F6) | 220(M6) 240(U6) | 380(Q6) |
| | AC 50/60Hz | V | 24(B7) | 42(D7) 48(E7) | 110(F7) | 220(M7) 240(U7) | 380(Q7) |
| | DC | V | 24(BD) | 48(ED) 60(ND) | 72(SD) | 110(FD) 125(GD) | 220(MD) |



■ Specifications

| Type of product | | | 3SC8-300 | 3SC8-410 | 3SC8-475 | 3SC8-620 |
|--|------------|-----------------|--------------------|----------------------|----------------------|-------------------------|
| Rated current AC3 $U_e \leq 440V$ | | A | 300 | 410 | 475 | 620 |
| Rated heating current AC10 $U_e \leq 40^\circ$ | | A | 400 | 500 | 700 | 1000 |
| Rated power AC3 Three-phase motor $0 \leq 40^\circ$ | 220/240V | KW | 100 | 110 | 147 | 200 |
| | 380/400V | KW | 160 | 220 | 265 | 335 |
| | 400V | KW | 200 | 250 | 280 | 400 |
| | 500V | KW | 200 | 250 | 335 | 400 |
| | 600/690V | KW | 220 | 280 | 355 | 450 |
| | 1000V | KW | 160 | 185 | 335 | 450 |
| Rated power AC4 Three-phase motor $0 < 40$ | 200/230V | KW | 37 | 40 | 45 | 55 |
| | 380/400V | KW | 63 | 75 | 80 | 100 |
| | 440V | KW | 75 | 80 | 100 | 110 |
| | 500V | KW | 80 | 90 | 110 | 132 |
| Weight | | Kg | 8.2 | 8.5 | 10.8 | 17.4 |
| Volume L x W x H | | MM ³ | 213 x 206 x 219 | 213 x 206 x 219 | 232 x 238 x 233 | 309 x 304 x 255 |
| Section of power connecting wire | | MM ² | 240 2□25 x 5 | 2 x 150 2□30 x 5 | 2 x 200 2□40 x 5 | 2□40 x 8 / 2□60 x 5 |
| Installment Bolt H x L-φ Guiding rail: Number of guiding rail x Width of rail x Rail center distance | | MM | (106-120) x 96-6.5 | 180 x 80(66-102)-8.5 | 180 x 80(66-102)-8.5 | 180 x 180(100-195)-10.5 |
| Reference model | | | LC1-D300 | LC1-D410 | LC1-D475 | LC1-D620 |
| Control Circuit Voltage | AC 50Hz | V | 400(V5) 440(R5) | 500(S5) 660(Y5) | | |
| | AC 60Hz | V | 440(R6) | | | |
| | AC 50/60Hz | V | 400(V7) 440(R7) | | | |
| | DC | V | 250(UD) 440(RD) | | | |



3SC8-F AC Contactor

■ Application

3SC8-F series AC Contactor is applicable to the circuits up to the rated voltage 1000V AC 50Hz or 60Hz, rated current up to 780A, for long distance breaking circuit and frequently starting or controlling the motor. It also can be used for the control of distribution circuits of rated current from 200A to 1600A.

■ Specifications



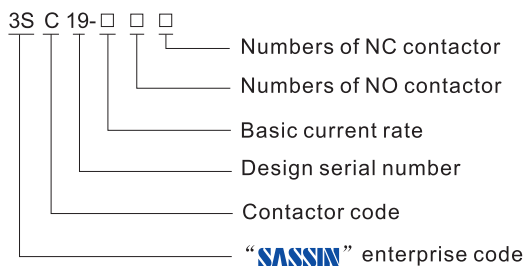
| Contactor Model | Appointed thermal current (A) | Rated operation current (A) | | | The max. power or controllable 3-phase squirrel-cage motor (kW) | | | | Weight (kg) | Mechanical life | | Electric life | | Mechanical life | |
|-----------------|-------------------------------|-----------------------------|------|-------|---|-------|-------|-------|-------------|-------------------------------------|------------------------|-------------------------------------|------------------------|-----------------|---------------|
| | | 380V | 660V | 1000V | 220V | 380V | 660V | 1000V | | Operation frequency h ⁻¹ | Time × 10 ⁴ | Operation frequency h ⁻¹ | Time × 10 ⁴ | Model | Rated current |
| 3SC8-F115 | 200 | 115 | 65 | 40 | KW | KW | KW | KW | 3.6 | 1200 | 300 | 1200 | 120 | RT16-2 | 250 |
| | | | | | 30 | 55 | 80 | 65 | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |
| 3SC8-F150 | 220 | 150 | 80 | 50 | 40 | 75 | 110 | 85 | 3.7 | 1200 | 300 | 1200 | 120 | RT16-2 | 355 |
| | | | | | KW | KW | KW | KW | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |
| 3SC8-F185 | 275 | 185 | 95 | 65 | 53 | 100 | 136 | 85 | 4.6 | 600 | 300 | 1200 | 60 | RT16-3 | 425 |
| | | | | | KW | KW | KW | KW | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |
| 3SC8-F225 | 315 | 225 | 115 | 80 | 75 | 125 | 150 | 135 | 4.7 | 600 | 300 | 600 | 60 | RT16-3 | 500 |
| | | | | | KW | KW | KW | KW | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |
| 3SC8-F265 | 350 | 265 | 150 | 95 | 90 | 150 | 175 | 136 | 7.1 | 600 | 100 | 300 | 60 | RT16-3 | 630 |
| | | | | | KW | KW | KW | KW | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |
| 3SC8-F330 | 400 | 330 | 185 | 115 | 100 | 180 | 220 | 200 | 8.5 | 600 | 100 | 300 | 60 | RT16-4 | 800 |
| | | | | | KW | KW | KW | KW | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |
| 3SC8-F400 | 500 | 440 | 225 | 150 | 135 | 221 | 300 | 220 | 8.5 | 600 | 100 | 300 | 60 | RT16-4 | 800 |
| | | | | | KW | KW | KW | KW | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |
| 3SC8-F500 | 700 | 500 | 265 | 185 | 155 | 270 | 380 | 250 | 10.8 | 600 | 100 | 300 | 60 | RT16-4 | 1000 |
| | | | | | KW | KW | KW | KW | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |
| 3SC8-F630 | 1000 | 630 | 330 | 225 | 147 | 250 | 335 | 335 | 17.4 | 600 | 100 | 300 | 60 | RT16 | 1250 |
| | | | | | KW | KW | KW | KW | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |
| 3SC8-F780 | 1500 | 780 | 450 | 300 | 200 | 340 | 450 | 450 | 40 | 600 | 100 | 300 | 60 | RT16 | 160 |
| | | | | | KW | KW | KW | KW | | | | | | | |
| | | | | | HP.Ch | HP.Ch | HP.Ch | HP.Ch | | | | | | | |



■ Application

3SC19 series capacitor switching contactor is suitable in AC 50/60Hz circuit line of the rated voltage up to 380V, is used to switch parallel connection capacitance from Low-voltage reactive power compensating equipments. It can efficiently reduce the impact to capacitor and restrain over-voltage when switching on/off with special flow-cut equipment.

■ Type and meanings



■ Normal application and installation conditions

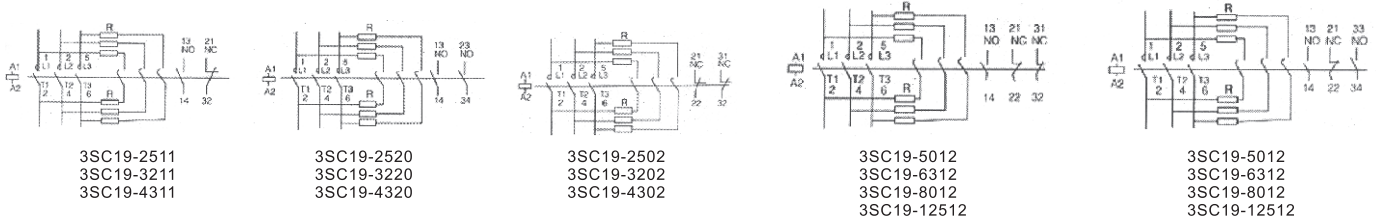
- 1.Ambient temperature: the upper limit shall not exceed +40℃ ;
the lower limit shall be not less than -5℃ ; the average value within 24 hours shall not exceed +35℃.
- 2.Altitude: installation altitude shall not exceed 2000m.
- 3.Atmosphere conditions: relative humidity shall not exceed 50% when ambient temperature is +40℃ .
Higher relative humidity is permissible at lower temperature. the average temperature shall not exceed +25℃ in the most humid month when the relative humidity shall not exceed 90%.Please consider the dew with the change of temperature.
- 4.Anti-pollution degree:III
- 5.Installation category:III
- 6.Installation conditions: slant of contactor mounting surface shall not exceed ±5°.
- 7.Shock: contactors can be installed and used in the place where has no notable shock、shake and impact.

■ principles

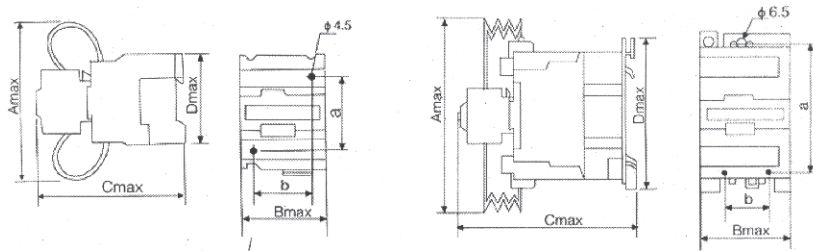
3SC19 capacitor switching contactor consists of one 3SC8 AC contactor one transformer contactor and six wires with resistance .the transformer contactor is installed on the top of 3SC8 contactor. the two pieces form the contact system and between them are six wires.

When circuit switch on ,the upper contactor is joined to the point on lower contactor by 3SC8 to restrain the over-flow. after action, it will back the reposition instantly. when switch off ,the situation resemble above. the flash connection of these resistance to the circuit do not waste power and burn themselves.

Terminal and electric diagram



The figure and installation dimension as the following picture and drawing



| The type | A max | B max | C max | D max | a | b | |
|-----------|-------|-------|-------|-------|---------|----|--|
| 3SC19-25 | 130 | 47 | 121 | 76 | 50/60 | 35 | Except using the screw for installation, also can use 35MM din rail for installation |
| 3SC19-32 | 130 | 58 | 130 | 86 | 50/60 | 40 | |
| 3SC19-40 | 140 | 58 | 135 | 86 | 50/60 | 40 | |
| 3SC19-50 | 140 | 79 | 150 | 128 | 100/110 | 40 | |
| 3SC19-60 | 180 | 79 | 150 | 128 | 100/110 | 40 | Except using the screw for installation, also can use 35MM or 75MM din rail for installation |
| 3SC19-80 | 180 | 79 | 150 | 128 | 100/110 | 40 | |
| 3SC19-125 | 200 | 87 | 157 | 128 | 100/100 | 40 | |

Technical data

| Type and data | | 3SC19-25 | 3SC19-32 | 3SC19-43 | 3SC19-50 | 3SC19-63 | 3SC19-80 | 3SC19-125 |
|--|------------------------------------|------------|----------|----------|----------|----------|----------|-----------|
| Rated working voltage (V) | | 660(690) | | | | | | |
| Rated working current (A) | | 18 | 24 | 29 | 36 | 48 | 58 | 87 |
| Conventional thermal current Ith | | 25 | 32 | 40 | 50 | 60 | 80 | 125 |
| Controllable power Ac-6b Kvar | 220V-240V | 6.7 | 8.5 | 10 | 15 | 20 | 25 | 40 |
| | 400V-440V | 12.5 | 16.7 | 20 | 25 | 33.3 | 40 | 60 |
| Inrush control capacity | | ≤20In | | | | | | |
| Auxiliary Contact Control capacity | Rated thermal current (A) | 10A | | | | | | |
| | AC-15 making | 3600VA | | | | | | |
| | DC-13 making | 33W | | | | | | |
| | AC-15 breaking | 360VA | | | | | | |
| | DC-13 breaking | 33W | | | | | | |
| | AC-15/380V Rated operating current | 0.95A | | | | | | |
| | DC-15/220V Rated operating current | 0.15A | | | | | | |
| Coil operating voltage ratings | | 24V | 48V | 110V | 220V | 380V | | |
| Coil power (VA) | Close | 70 | | 110 | | 200 | | |
| | Maintain | 8 | | 11 | | 20 | | |
| Power consumption (W) | | 1.8-2.8 | | 3-4 | | 6-10 | | |
| Operation frequency times/h | | 120 | | | | | | |
| Electrical endurance | | 10 | | | | | | |
| Mechanical endurance | | 100 | | | | | | |
| Connect conductor cross section (mm ²) | | 4 | 6 | 6 | 16 | 16 | 16 | 25 |
| Comply with Standard | | IEC60947-4 | | | | | | |

Ordering information

- Please clarify specification when place an order, such as product name, item no., rated working voltage of the coil, frequency etc..
- Example: capacitor switching contactor CJ19-3211,220V,50HZ, 300PCS.



3SC7-F AC Contactor

■ Application

3SC7-F AC Contactor applies to supply of AC 50/60Hz, rated voltage up to 660V. In AC3 use, under voltage of 380V, the rated current can be up to 630A. 3SC7-F and 3SR7 overload relay can be combined to form a motor starter to protect the motor against overload and phase failure. The product is tested according to IEC60947-4.

The contactor features double breaking contacts. Arc distinguish chambers are used to quench the arc in contactors of 32A and range above. The contactors below 32A can be mounted on DIN rail or by screw, and up ones can only be mounted by screw.

■ Specifications

| Type | Rated thermal current (A) | Rated operation current (A) | | (KW) Controllable power of motor | | | | Type of auxiliary contact |
|----------|---------------------------|-----------------------------|------|----------------------------------|------|------|------|--------------------------------|
| | | | | AC-3 | | AC-4 | | |
| | | 380V | 660V | 380V | 660V | 380V | 660V | |
| 3SC7-F40 | 20 | 9 | 7 | 4 | 5.5 | 1.4 | 2.4 | NO NC 1NO+1NC 2NO+2NC |
| 3SC7-F41 | 20 | 12 | 8.5 | 5.5 | 7.5 | 1.9 | 3.3 | |
| 3SC7-F42 | 30 | 16 | 12.5 | 7.5 | 11 | 3.5 | 6 | |
| 3SC7-F43 | 30 | 22 | 16.5 | 10 | 15 | 4 | 6.6 | |
| 3SC7-F44 | 55 | 32 | 24 | 15 | 22 | 7.5 | 13 | |
| 3SC7-F45 | 55 | 38 | 24 | 18.5 | 22 | 9 | 15.5 | |
| 3SC7-F46 | 80 | 45 | 40 | 22 | 37 | 12 | 20.8 | |
| 3SC7-F47 | 80 | 63 | 60 | 30 | 55 | 14 | 24.3 | 2NC+2NO 4NC+4NO |
| 3SC7-F48 | 100 | 75 | 60 | 37 | 55 | 17 | 29.5 | |
| 3SC7-F49 | 100 | 85 | 80 | 45 | 75 | 21 | 36 | |
| 3SC7-F50 | 160 | 110 | 95 | 55 | 90 | 27 | 46.9 | |
| 3SC7-F51 | 160 | 140 | 120 | 75 | 110 | 35 | 60 | |
| 3SC7-F52 | 200 | 170 | 160 | 90 | 150 | 38 | 66 | |
| 3SC7-F53 | 210 | 205 | 165 | 110 | 160 | 50 | 86 | |
| 3SC7-F54 | 300 | 250 | 230 | 132 | 220 | 58 | 100 | |
| 3SC7-F55 | 300 | 300 | 260 | 160 | 250 | 66 | 114 | |
| 3SC7-F56 | 400 | 400 | 380 | 200 | 355 | 81 | 140 | |
| 3SC7-F68 | 630 | 630 | 600 | 335 | 560 | 160 | 278 | |

3SC7-B AC Contactor



3SC7-B40



3SC7-B44

■ Application

3SC7-B AC Contactor is suitable for application in the circuits up to the rated voltage 660V AC 50Hz/60Hz, rated current 630A, for making and breaking, and for frequent starting and controlling the motor. After combined with the mechanical interlocking device, it becomes 3SC7-B convertible contactor for controlling, starting breaking and reversing the motor.

The products comply with IEC60947-4.

■ Specifications

| Type | Rated thermal current(A) | Rated operating current at 380V(A) | Rated operating current at 660V(A) | The power of controlled motor (KW) | | Type of auxiliary contact |
|----------|--------------------------|------------------------------------|------------------------------------|------------------------------------|--------|----------------------------------|
| | | | | 380(V) | 660(V) | |
| 3SC7-B40 | 22 | 9 | 7.2 | 4 | 5.5 | 1NO 1NC 1NO+1NC 2NO+2NC |
| 3SC7-B41 | 22 | 12 | 9.5 | 5.5 | 7.5 | |
| 3SC7-B42 | 35 | 16 | 13.5 | 7.5 | 11 | |
| 3SC7-B43 | 35 | 22 | 13.5 | 11 | 11 | |
| 3SC7-B44 | 35 | 22 | 18 | 15 | 15 | 2NO+2NC |

3SJ7 Auxiliary Contactor



3SJ7-80

■ Application

3SJ7 auxiliary contactor is the auxiliary for controlled circuit with voltage of AC 50/60Hz, 660V and DC 660V. It controls all kinds of magnetic coil and amplifies or transfers signal to relative controlled element simultaneously, characterized by high performance & long service life.

■ Specifications

| Rated Voltage | Rated operating current (A) | | Controllable motor power AC3(KW) |
|---------------|-----------------------------|------|----------------------------------|
| | Ie=AC11, AC14 | DC11 | |
| 110V | - | 0.9 | - |
| 220V | 10 | 0.45 | 2.2 |
| 380V | 6 | - | 4 |
| 440V | - | 0.25 | 4 |
| 660V | 2 | - | 4 |

| Type | | Type of contact | |
|---------|-------|-----------------|----|
| | | NO | NC |
| 3SJ7-80 | 40-0A | 4 | - |
| | 31-0A | 3 | 1 |
| | 22-0A | 2 | 2 |
| | 13-0A | 1 | 3 |
| | 04-0A | - | 4 |
| 3SJ7-82 | 80-0A | 8 | - |
| | 71-0A | 7 | 1 |
| | 62-0A | 6 | 2 |
| | 53-0A | 5 | 3 |
| | 44-0A | 4 | 4 |

3SC7-F/N 3SC8-D/N Mechanical Interlocking Contactor

■ Application

The contactor is suitable for using in the circuits up to the rated voltage 660V AC 50Hz or 60Hz, current 300A, for convertibly controlling the motor. Its mechanical interlocking device ensures contact changeover of two convertible contactors.

■ Specifications



| Type | Rated thermal current (A) | Rated operating current (A) | | Controllable power of motor | | | |
|------------|---------------------------|-----------------------------|------|-----------------------------|------|------|------|
| | | | | AC-3 | | AC-4 | |
| | | 380V | 660V | 380V | 660V | 380V | 660V |
| 3SC7-F/N40 | 20 | 9 | 7 | 4 | 5.5 | 1.4 | 2.4 |
| 3SC7-F/N41 | 20 | 12 | 8.5 | 5.5 | 7.5 | 1.9 | 3.3 |
| 3SC7-F/N42 | 30 | 16 | 12.5 | 7.5 | 11 | 3.5 | 6 |
| 3SC7-F/N43 | 30 | 22 | 16.5 | 10 | 15 | 4 | 6.6 |
| 3SC7-F/N44 | 55 | 32 | 24 | 15 | 22 | 7.5 | 13 |
| 3SC7-F/N45 | 55 | 38 | 24 | 18.5 | 22 | 9 | 15.5 |
| 3SC7-F/N46 | 80 | 45 | 40 | 22 | 37 | 12 | 20.8 |
| 3SC7-F/N47 | 80 | 63 | 60 | 30 | 55 | 14 | 24.3 |
| 3SC7-F/N48 | 100 | 75 | 60 | 37 | 55 | 17 | 29.5 |
| 3SC7-F/N49 | 100 | 85 | 80 | 45 | 75 | 21 | 36 |
| 3SC7-F/N50 | 160 | 110 | 95 | 55 | 90 | 27 | 46.9 |
| 3SC7-F/N51 | 160 | 140 | 120 | 75 | 110 | 35 | 60 |
| 3SC7-F/N52 | 200 | 170 | 160 | 90 | 150 | 38 | 66 |
| 3SC7-F/N53 | 210 | 205 | 165 | 110 | 160 | 50 | 86 |
| 3SC7-F/N54 | 300 | 250 | 230 | 132 | 220 | 58 | 100 |
| 3SC7-F/N55 | 300 | 300 | 260 | 160 | 250 | 66 | 114 |



| Type | Rated current AC-3(A) | Controlled power(KW) | | | | |
|---------------|-----------------------|----------------------|---------|---------|------|------|
| | | 220V | 380V | 415V | 440V | 660V |
| 3SC8-D/N09 | 9 | 2.2 | 4 | 4 | 4 | 5.5 |
| 3SC8-D/N12 | 12 | 5.5 | 5.5 | 5.5 | 5.5 | 7.5 |
| 3SC8-D/N18 | 16 | 7.5 | 7.5 | 9 | 9 | 10 |
| 3SC8-D/N25 | 25 | 5.5 | 11 | 11 | 11 | 15 |
| 3SC8-D/N32 | 32 | 7.5 | 15 | 15 | 15 | 18.5 |
| 3SC8-D/N40 | 40 | 18.5 | 18.5 | 22 | 22 | 30 |
| 3SC8-D/N50 | 50 | 15 | 22 | 25 | 30 | 33 |
| 3SC8-D/N63 | 63 | 18.5 | 30 | 37 | 37 | 37 |
| 3SC8-D/N80 | 80 | 22 | 37 | 45 | 45 | 45 |
| 3SC8-D/N95 | 95 | 22 | 45 | 45 | 45 | 41 |
| 3SC8-D/N115 | 115 | 30 | 55 | 60 | | |
| 3SC8-D/N150 | 150 | 40 | 75 | 80 | | |
| 3SC8-D/N170 | 170 | 45 | 80 | 90 | | |
| 3SC8-D/N205 | 205/185 | 60/55 | 100/90 | 110/100 | | |
| 3SC8-D/N205/4 | 215/205 | 65/60 | 110/100 | 115/110 | | |
| 3SC8-D/N245 | 245 | 70 | 120 | 130 | | |
| 3SC8-D/N245/4 | 245/225 | 70/68 | 120/110 | 130/120 | | |
| 3SC8-D/N300 | 300 | 85 | 150 | 160 | | |
| 3SC8-D/N300/4 | 320/300 | 90/85 | 160/150 | 170/160 | | |
| 3SC8-D/N410 | 410/- | 110 | 210 | 225 | | |
| 3SC8-D/N410/4 | 440/410 | 120/110 | 220/210 | 235/225 | | |
| 3SC8-D/N475 | 475/- | 145 | 250 | 270 | | |
| 3SC8-D/N475/4 | 500/475 | 150/145 | 260/250 | 285/270 | | |
| 3SC8-D/N620 | 620/- | 180 | 330 | 400 | | |



3SC8-F/N Range Reversing Contactor

■ Specification

| Model | Rated insulation voltage(V) | For distribution circuits | Rated thermal current (A) | For motor control | Rated operation current 3p-440V50/60Hz LL/NL | Rated operation power For AC3 difference in temperature of load rated motor power 0≤55℃ | | | | | |
|---------------|-----------------------------|---------------------------|---------------------------|-------------------|--|---|---------|---------|---------|----------|---------|
| | | | | | | 220V | | 380V | | 415/440V | |
| | | | | | | Kw | hp | Kw | hp | Kw | hp |
| 3SC8-F/N115 | 1000 | | 200 | | NL/LL 120/- | 30/- | 40/- | 55/- | 75/- | 60/- | 80/- |
| 3SC8-F/N115 | 1000 | | | | NL/LL 150/115 | 40/30 | 55/40 | 75/55 | 100/75 | 80/60 | 110/80 |
| 3SC8-F/N150 | 1000 | | 250 | | NL/LL 150/- | 40/- | 53/- | 75/- | 100/- | 80/- | 110/- |
| 3SC8-F/N150/4 | 1000 | | | | NL/LL -/150 | -/40 | -/55 | -/75 | -/100 | -/80 | -/110 |
| 3SC8-F/N185 | 1000 | | 275 | | NL/LL 185/- | 55/- | 75/- | 90/- | 125/- | 100/- | 135/- |
| 3SC8-F/N185/4 | 1000 | | | | NL/LL 205/185 | 60/55 | 80/75 | 100/90 | 135/125 | 110/100 | 150/135 |
| 3SC8-F/N225 | 1000 | | 315 | | NL/LL 225/- | 68/- | 90/- | 110/- | 150/- | 120/- | 160/- |
| 3SC8-F/N225/4 | 1000 | | | | NL/LL 245/225 | 70/68 | 95/90 | 120/110 | 160/150 | 130/120 | 175/160 |
| 3SC8-F/N265 | 1000 | | 350 | | NL/LL 265/- | 75/- | 100/- | 132/- | 180/- | 140/- | 190/- |
| 3SC8-F/N265/4 | 1000 | | | | NL/LL 300/265 | 85/75 | 115/100 | 150/132 | 200/180 | 160/140 | 215/190 |
| 3SC8-F/N330 | 1000 | | 400 | | NL/LL 330/- | 100/- | 135/- | 165/- | 221/- | 180/- | 240/- |
| 3SC8-F/N330/4 | 1000 | | | | NL/LL 350/330 | 110/100 | 150/135 | 175/165 | 235/221 | 195/180 | 260/240 |
| 3SC8-F/N400 | 1000 | | 500 | | NL/LL 400/- | 115/- | 155/- | 200/- | 270/- | 220/- | 300/- |
| 3SC8-F/N400/4 | 1000 | | | | NL/LL 450/400 | 132/110 | 180/150 | 220/200 | 300/270 | 250/220 | 340/300 |
| 3SC8-F/N500 | 1000 | | 700 | | NL/LL 500/- | 147/- | 200/- | 250/- | 340/- | 280/- | 380/- |
| 3SC8-F/N500/4 | 1000 | | | | NL/LL 630/500 | 185/147 | 250/200 | 335/250 | 450/340 | 355/280 | 480/380 |
| 3SC8-F/N630 | 1000 | | 1000 | | NL/LL 630/- | 200/- | 270/- | 335/- | 450/- | 375/- | 500/- |
| 3SC8-F/N630/4 | 1000 | | | | NL/LL 800/630 | 200/220 | 300/270 | 400/335 | 540/450 | 450/375 | 610/500 |
| 3SC8-F/N800 | 1000 | | 1500 | | NL/LL 800/- | 200/- | 300/- | 400/- | 540/- | 450/- | 610/- |
| 3SC8-F/N780 | 1000 | | | | NL/LL 780/- | 220/- | 300/- | 400/- | 540/- | 425/- | 570/- |
| 3SC8-F/N780/4 | 1000 | | | | NL/LL 1000/780 | 280/220 | 380/300 | 500/400 | 680/540 | 530/425 | 720/570 |

■ Accessories

- ◆ Auxiliary contact group
- ◆ Model and Implication

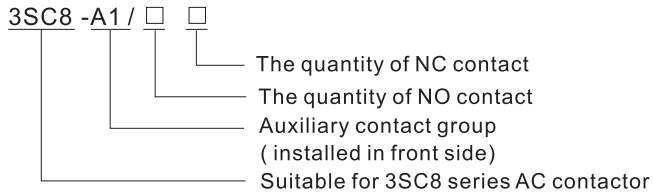


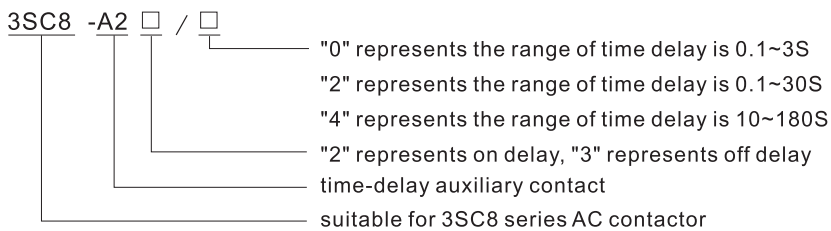
Table1 : specification of auxiliary contact group

Table1:

| Auxiliary contact group | Structure form | Outline dimension L×W×H | Type quantity of contact | | Contact group type | Structure form | Type quantity of contact | | Outline dimension L×W×H |
|-------------------------|-------------------------|-------------------------|--------------------------|----|--------------------|------------------------|--------------------------|----|-------------------------|
| | | | NO | NC | | | NO | NC | |
| 3SC8-A1/40 | Four groups of contacts | 45×48×38.5 | 4 | 0 | 3SC8-A1/20 | Two groups of contacts | 2 | 0 | 26×48×38.5 |
| 3SC8-A1/31 | | | 3 | 1 | 3SC8-A1/11 | | 1 | 1 | |
| 3SC8-A1/22 | | | 2 | 2 | 3SC8-A1/02 | | 0 | 2 | |
| 3SC8-A1/13 | | | 1 | 3 | | | | | |
| 3SC8-A1/04 | | | 0 | 4 | | | | | |

- ◆ Time-delay auxiliary contact

- ◆ Model and Implication



- ◆ The type of time-delay auxiliary contact, refer to table2

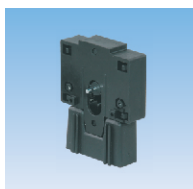
Table2:

| Delay contact type | Structure form | Delay scope | Type quantity of delay contact | Outline dimension L×W×H |
|--------------------|----------------|-------------|--------------------------------|-------------------------|
| 3SC8-A2/T0 | On delay | 0.1~3s | 1NO+1NC | 45×48×59.5 |
| 3SC8-A2/T2 | | 0.1~30s | | |
| 3SC8-A2/T4 | | 10~180s | | |
| 3SC8-A3/R0 | | 0.1~3s | | |
| 3SC8-A3/R2 | | 0.1~30s | | |
| 3SC8-A3/R4 | | 10~180s | | |

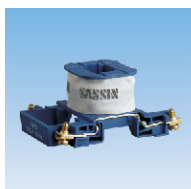
Table3:

| | |
|--------------|----------------------------|
| 3SC8X-D2: | For 3SC8-09 to 3SC8-18 |
| 3SC8X-D4: | For 3SC8-25 to 3SC8-32 |
| 3SC8X-D6: | For 3SC8-40 to 3SC8-95 |
| 3SC8X-FF: | For 3SC8-F115 to 3SC8-F150 |
| 3SC8X-FG: | For 3SC8-F185 to 3SC8-F225 |
| 3SC8X-FH: | For 3SC8-F265 to 3SC8-F330 |
| 3SC8X-FJ: | For 3SC8-F400 |
| 3SC8X-FK: | For 3SC8-F500 |
| 3SC8X-FL: | For 3SC8-F630 |
| 3SC8X-FK(1): | For 3SC8-F780 |

■ Other accessories and outline of main components



54×22.5(14)×54
3SC8-A4X



3SC8X-D2(09~18)
(see Table3)



3SC8X-D6 (40~95)
(see Table3)



73×17.5(12.5)×72
3SC8-A8



3SC8-A1D



3SC8-A1C

3SC8-P DC Operated AC Contactor



Application

3SC8-P Series DC operated AC contactor is suitable for the circuit up to rated voltage 660V AC 50Hz/60Hz, and rated current 9-95A in AC-3/380V load circuits, for remote control of circuit making, breaking and frequent starting AC motors. It can also be combined with the auxiliary contact block, air delayer, thermal relay devices etc.

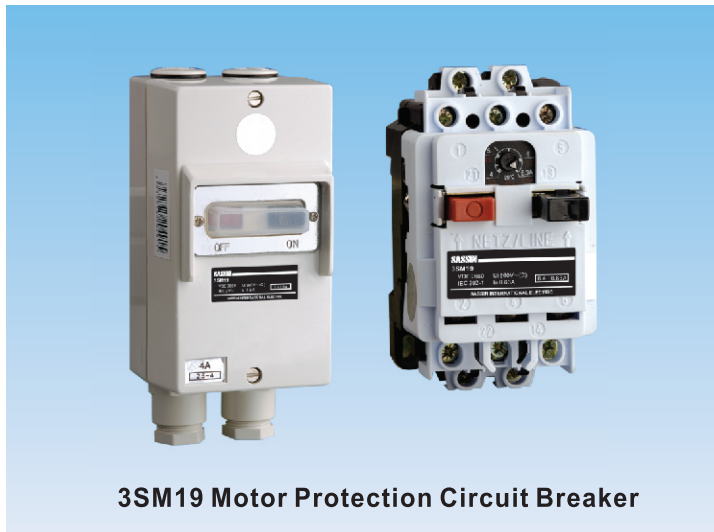
Specification

| Type | Rated working current(A) Ie(A)(AC-3) | Rated heat current Ith(A) | Rated working voltage Ue A | Rated insulating voltage Ui A | Controlled Power (KW) | | | | | Electrical life (AC-3) 10 ⁴ | Contacts Number |
|----------|---|---------------------------|----------------------------|-------------------------------|-----------------------|------|------|------|------|---|-----------------|
| | | | | | 220V | 380V | 415V | 440V | 660V | | |
| 3SC8-P09 | 9 | 20 | 380V | 660V | 2.2 | 4 | 4 | 4 | 5.5 | 100 | 3P+NO 3P+NC |
| 3SC8-P12 | 12 | 20 | | | 3 | 5.5 | 5.5 | 5.5 | 7.5 | 100 | |
| 3SC8-P18 | 18 | 32 | | | 4 | 7.5 | 9 | 9 | 9 | 100 | |
| 3SC8-P25 | 25 | 40 | | | 5.5 | 11 | 11 | 11 | 15 | 100 | |
| 3SC8-P32 | 32 | 50 | | | 7.5 | 15 | 15 | 15 | 18.5 | 80 | |
| 3SC8-P40 | 40 | 60 | 660V | | 11 | 18.5 | 22 | 22 | 30 | 80 | 3P+NO+NC |
| 3SC8-P50 | 50 | 80 | | | 15 | 22 | 25 | 30 | 33 | 60 | |
| 3SC8-P65 | 65 | 80 | | | 18.5 | 30 | 37 | 37 | 37 | 60 | |
| 3SC8-P80 | 80 | 125 | | | 22 | 37 | 45 | 45 | 45 | 60 | |
| 3SC8-P95 | 95 | 125 | | | 25 | 45 | 45 | 45 | 45 | 60 | |



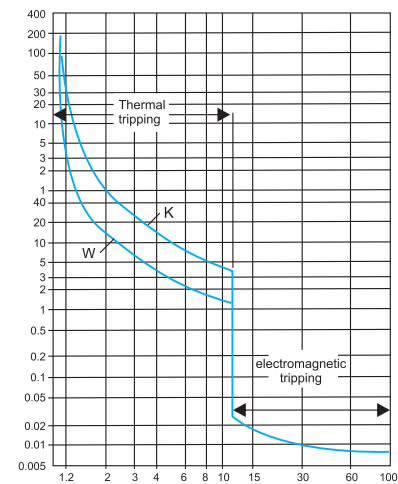
■ 3SC8-K 3SC8-E Specification

| | | | | | | | |
|---|-----------------|------------------|--|--|--|---|---|
| Type | | | 3SC8-K0610 3SC8-K0601 3SC8-K06004 3SC8-K06008 | 3SC8-K0910 3SC8-K0901 3SC8-K09004 3SC8-K09008 | 3SC8-K1210 3SC8-K1201 3SC8-K12004 3SC8-K12008 | 3SC8-E0610 3SC8-E0601 3SC8-E06008 | 3SC8-E0910 3SC8-E0901 3SC8-E09008 |
| Rated working voltage(V) | | | 660 (690) | | | | |
| Rated working current(A) | 380V | AC-3 | 6 | 9 | 12 | 6 | 9 |
| | | AC-4 | 2.6 | 3.5 | 5 | 2.6 | 3.5 |
| Rated thermal current(A) | | | 16 | 16 | 20 | 16 | 16 |
| Max Connecting. current(A) | | 380V | 60 | 90 | 120 | 60 | 90 |
| | | 660V | 72 | 108 | 144 | 72 | 108 |
| Max Breaking. current(A) | | 380V | 48 | 72 | 96 | 48 | 72 |
| | | 660V | 60 | 90 | 120 | 60 | 90 |
| AC3 capacity of 3 phase squirrel-cage motor AC3(kW) | | 220V | 1.5 | 2.2 | 3 | 1.5 | 2.2 |
| | | 380V | 2.2 | 4 | 5.5 | 2.2 | 4 |
| | | 660V | 3 | 4 | 5.5 | 3 | 4 |
| Operation frequency time/h | Electrical life | AC-3 | 1200 | | | | |
| | | AC-4 | 300 | | | | |
| Electrical life×10 ⁴ | AC-3 | | 100 | | | | |
| | AC-4 | | 20 | | | | |
| Mechanical life | | ×10 ⁴ | 1000 | | | | |
| Wire (mm ²) | | | 2.5 | | | | |
| Suitable fuse | | | RT16-20 | RT16-20 | | NTOO-16 | |
| Number of contacts | | | 3P+NO 3P+NC 4NO 2NO+2NC | 3P+NO 3P+NC 4NO 2NO+2NC | 3P+NO 3P+NC 4NO 2NO+2NC | 3P+NO 3P+NC 2NO+2NC | 3P+NO 3P+NC 2NO+2NC |



3SM19 Motor Protection Circuit Breaker

■ Characteristic Curve



■ Application

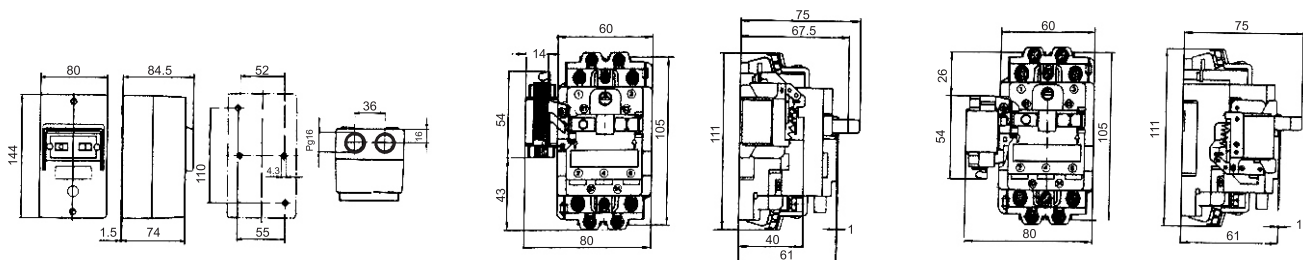
This product is suitable in the circuit up to AC 660V or 440V and current 0.1 to 16A. It can be used for protection of overload and short circuit of 3-phase squirrel-cage motors, as a motor starter at full voltage. It is applied to protect the motor from under-voltage. It can also be used in operating AC single phase load and DC load. It monitors the fuse switch disconnection or acts as protection for phase failure.

This product range includes basic switch and 26 accessories. It complies with standard IEC60947-2.

■ Specification

| Rated current for tripping (A) | 0.16 | 0.25 | 0.40 | 0.63 | 1.0 | 1.6 | 2.5 | 4.0 | 6.3 | 10 | 16 |
|--------------------------------|--------------|---------------|---------------|---------------|--------------|-------------|-------------|-------------|-------------|------------|------------|
| Rated of fixed current (A) | 0.1~ 0.16 | 0.16~ 0.25 | 0.25~ 0.40 | 0.40~ 0.63 | 0.63~ 1.0 | 1.0~ 1.6 | 1.6~ 2.5 | 2.5~ 4.0 | 4.0~ 6.3 | 6.3~ 10 | 9.5~ 16 |
| Code | 05 | 09 | 13 | 17 | 21 | 25 | 29 | 33 | 37 | 42 | 46 |

■ Dimensions



Switch with GJ plastic seal mounting base

3SM19 switch with under-voltage release

Switch with shunt release



3SM18 Motor Protection Circuit Breaker

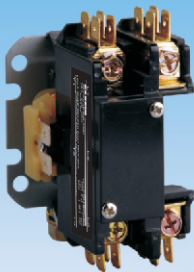
Application

3SM18 series motor protection circuit breaker are mainly used for the overload and short circuit protection of the motor in the power circuit AC 50/60Hz, up to 660V, 0.1-80A , as a full-voltage starter to start and stop the motor, under the AC3 load or for the overload and short circuit protection of the circuit and power equipment in the power distribution network.

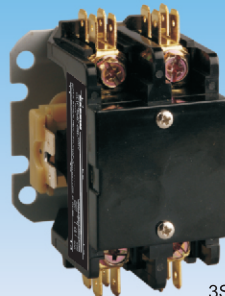
Specification

| Type | Standard power ratings of 3-phase motors 50/60Hz in category AC-3 | | | | | | Setting range |
|------------------|---|------------|------------|------------|------------|------------|---------------|
| | 220V KW | 380V KW | 415V KW | 440V KW | 500V KW | 660V KW | |
| 3SM18-1-M01 | -- | -- | -- | -- | -- | -- | 0.1-0.16 |
| 3SM18-1-M02 | -- | -- | -- | -- | -- | -- | 0.16-0.25 |
| 3SM18-1-M03 | -- | -- | -- | -- | -- | -- | 0.25-0.4 |
| 3SM18-1-M04 | -- | -- | -- | -- | -- | 0.37 | 0.4-0.63 |
| 3SM18-1-M05 | -- | -- | -- | 0.37 | 0.37 | 0.55 | 0.63-1 |
| 3SM18-1-M06 | -- | 0.37 | -- | 0.55 | 0.75 | 1.1 | 1-1.6 |
| 3SM18-1-M07 | 0.37 | 0.75 | 1.1 | 1.1 | 1.1 | 1.5 | 1.6-2.5 |
| 3SM18-1-M08 | 0.75 | 1.5 | 1.5 | 1.5 | 2.2 | 3 | 2.5-4 |
| 3SM18-1-M10 | 1.1 | 2.2 | 2.2 | 3 | 3.7 | 4 | 4-6 |
| 3SM18-1-M14 | 2.2 | 4 | 4 | 4 | 5.5 | 7.5 | 6-10 |
| 3SM18-1-M20 | 4 | 7.5 | 7.5 | 7.5 | 10 | 11 | 10-16 |
| 3SM18-1-M21 | 5.5 | 10 | 9 | 9 | 11 | 15 | 16-20 |
| 3SM18-1-M22 | 5.5 | 11 | 11 | 11 | 15 | 18.5 | 20-25 |
| 3SM18-2-M01/RS01 | -- | -- | -- | -- | -- | -- | 0.1-0.16 |
| 3SM18-2-M02/RS02 | -- | -- | -- | -- | -- | -- | 0.16-0.25 |
| 3SM18-2-M03/RS03 | -- | -- | -- | -- | -- | -- | 0.25-0.4 |
| 3SM18-2-M04/RS04 | -- | -- | -- | -- | -- | 0.37 | 0.4-0.63 |
| 3SM18-2-M05/RS05 | -- | -- | -- | 0.37 | 0.37 | 0.55 | 0.63-1 |
| 3SM18-2-M06/RS06 | -- | 0.37 | -- | 0.55 | 0.75 | 1.1 | 1-1.6 |
| 3SM18-2-M07/RS07 | 0.37 | 0.75 | 0.75 | 1.1 | 1.1 | 1.5 | 1.6-2.5 |
| 3SM18-2-M08/RS08 | 0.75 | 1.5 | 1.5 | 1.5 | 2.2 | 3 | 2.5-4 |
| 3SM18-2-M10/RS10 | 1.1 | 2.2 | 2.2 | 3 | 3.7 | 4 | 4-6.3 |
| 3SM18-2-M14/RS14 | 2.2 | 4 | 4 | 4 | 5.5 | 7.5 | 6-10 |
| 3SM18-2-M16/RS16 | 3 | 5.5 | 5.5 | 7.5 | 7.5 | 9 | 9-14 |
| 3SM18-2-M20/RS20 | 4 | 7.5 | 9 | 9 | 9 | 11 | 13-18 |
| 3SM18-2-M21/RS21 | 5.5 | 11 | 11 | 11 | 11 | 15 | 17-23 |
| 3SM18-2-M22/RS22 | 5.5 | 11 | 11 | 11 | 15 | 18.5 | 20-25 |
| 3SM18-2-M32/RS32 | 7.5 | 15 | 15 | 15 | 18.5 | 26 | 24-32 |
| 3SM18-3-M06 | -- | 0.37 | -- | 0.55 | 0.75 | 1.1 | 1-1.6 |
| 3SM18-3-M07 | 0.37 | 0.75 | 1.1 | 1.1 | 1.1 | 1.5 | 1.6-2.5 |
| 3SM18-3-M08 | 0.75 | 1.5 | 1.5 | 1.5 | 2.2 | 3 | 2.5-4 |
| 3SM18-3-M10 | 1.1 | 2.2 | 2.2 | 3 | 3.7 | 4 | 4-6 |
| 3SM18-3-M14 | 2.2 | 4 | 4 | 4 | 5.5 | 7.5 | 6-10 |
| 3SM18-3-M20 | 4 | 7.5 | 7.5 | 7.5 | 10 | 11 | 10-16 |
| 3SM18-3-M25 | 5.5 | 11 | 11 | 11 | 15 | 18.5 | 16-25 |
| 3SM18-3-M40 | 11 | 18.5 | 22 | 22 | 25 | 33 | 25-40 |
| 3SM18-3-M63 | 15 | 30 | 33 | 33 | 40 | 55 | 40-63 |
| 3SM18-3-M80 | 22 | 40 | 45 | 45 | 55 | 63 | 56-80 |

3SCJ9K Definate Purpose Contactor



3SCJ9K-1.5P



3SCJ9K-2P



3SCJ9K-3P/30A



3SCJ9K-3P/50A



3SCJ9K-3P/90A



3SCJ9K-4P/30A

Application

This series contactors are mainly applicable to circuit of AC 50Hz or 60Hz, rated working voltage up to 600V and rated working current up to 90A, used to make and break the circuit.

| P/N | AMPS | VOLTS |
|-------------|------|---------------|
| 3SCJ9K-1.5P | 25A | 24V/120V/240V |
| 3SCJ9K-1.5P | 30A | 24V/120V/240V |
| 3SCJ9K-1.5P | 40A | 24V/120V/240V |
| 3SCJ9K-2P | 25A | 24V/120V/240V |
| 3SCJ9K-2P | 30A | 24V/120V/240V |
| 3SCJ9K-2P | 40A | 24V/120V/240V |
| 3SCJ9K-3P | 30A | 24V/120V/240V |
| 3SCJ9K-3P | 40A | 24V/120V/240V |
| 3SCJ9K-3P | 50A | 24V/120V/240V |
| 3SCJ9K-3P | 60A | 24V/120V/240V |
| 3SCJ9K-3P | 75A | 24V/120V/240V |
| 3SCJ9K-3P | 90A | 24V/120V/240V |