

## SGC1-D Series AC Contactor



SGC 1-D series AC Contactor is suitable for using in the circuits up to the rated voltage 660V AC 50HZ or 60HZ, rated current up to 6 20A, for making, breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & machine 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 IEC/EN6094-4, VDE0660&BS5 452.

| Items                                          |          | Model           | D09   | D12   | D18   | D25   | D32   | D40   | D50   | D65   | D80   | D95   |
|------------------------------------------------|----------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Rated operational current(A)AC- 3,380V         |          |                 | 9     | 12    | 18    | 25    | 32    | 40    | 50    | 65    | 80    | 95    |
| Rated conventional heating current(A)AC- 1     |          |                 | 20    | 20    | 32    | 40    | 50    | 60    | 80    | 80    | 95    | 95    |
| Rated insulation voltage(V)                    |          |                 | 690   | 690   | 690   | 690   | 690   | 690   | 690   | 690   | 690   | 690   |
| Power of controlled 3-phase cage motor(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   | 10    | 15    | 18.5  | 30    | 37    | 37    | 45    | 45    |
| Operating frequency (operations/h)             | Electric | AC- 3           | 1,200 | 1,200 | 1,200 | 1,200 | 600   | 600   | 600   | 600   | 600   | 600   |
|                                                | life     | AC- 4           | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   |
|                                                |          | Mechanical life | 3,600 | 3,600 | 3,600 | 3,600 | 3,600 | 3,600 | 3,600 | 3,600 | 3,600 | 3,600 |
| Electric life (x 10 <sup>3</sup> operations)   |          | AC- 3           | 1,000 | 1,000 | 1,000 | 1,000 | 800   | 800   | 600   | 600   | 600   | 600   |
|                                                |          | AC- 4           | 200   | 200   | 200   | 200   | 200   | 150   | 150   | 150   | 100   | 100   |
| Mechanical life (x 10 <sup>6</sup> operations) |          |                 | 10    | 10    | 10    | 10    | 8     | 8     | 8     | 8     | 8     | 8     |