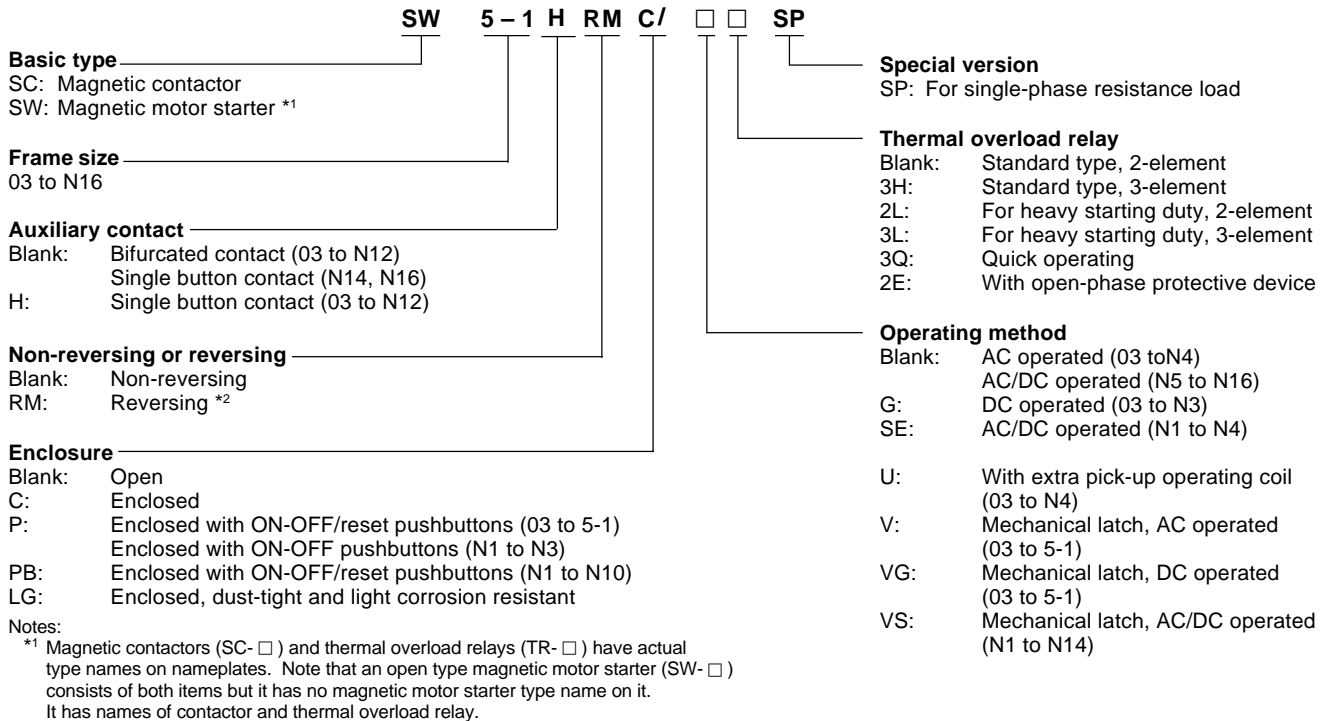
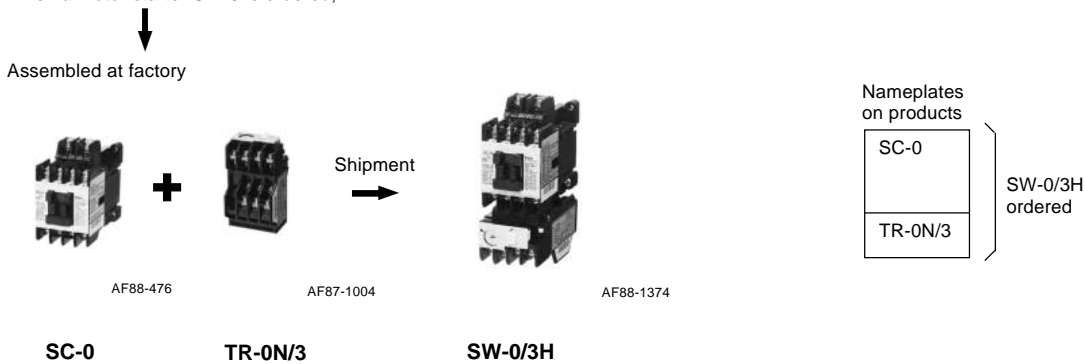


Types number nomenclature



Example

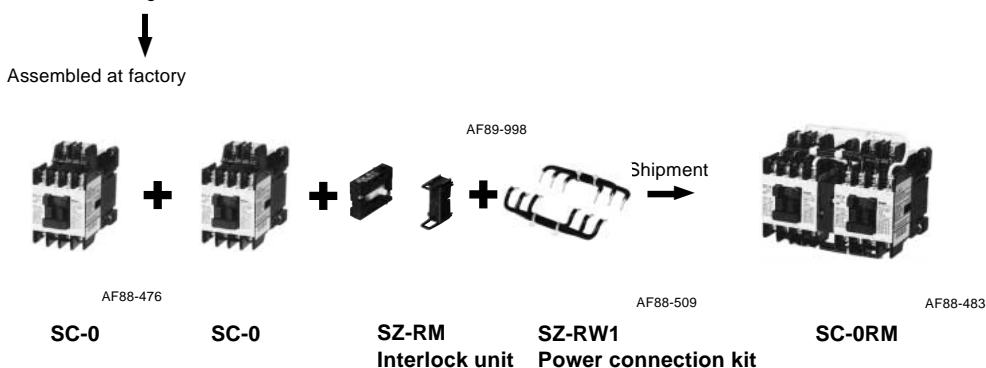
When a motor starter SW-0 is ordered;



*2 Open type reversing magnetic contactors (SC- □RM) and motor starters (SW- □ RM) have no type name on their nameplates describing them as reversing types.

Example

When a reversing motor starter SW-0RM is ordered;



Ordering information

Specify the following:

1. Ordering code (see next page)
2. Overload relay setting range code
3. Operating coil voltage code
4. Auxiliary contact arrangement code

Magnetic Contactors and Starters

SC and SW series

Ordering code system

■ Ordering code system

SC series magnetic contactors

SC 25 B A A-M 22
 ①② ③④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩⑪

SW series magnetic motor starter

SC 25 B A A N-M 22 TB D
 ①② ③④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩⑪ ⑫ ⑬

① Product category

Description	Code
Contactors and starters	S

② Series category

Description	Code
SC and SW series	C

③④ Frame size

Frame size	Code	
	③	④
03	1	1
0	1	3
05	1	4
4-0	1	8
4-1	1	9
5-1	2	0
N1	2	5
N2	3	5
N2S	5	0
N3	6	5
N4	8	0
N5	9	3
N6	1	C
N7	1	F
N8	1	J
N10	2	C
N11	3	A
N12	4	A
N14	6	A
N16*	8	A

*Contactor only

⑤ Index

Index	Code
03 to 5-1	Blank
N1 to N16	B

④ Version

Description	Code	
	Contactor	Starter
<u>Non-reversing, open</u> Standard	A	A
<u>Non-reversing, enclosed</u> Standard Dust-tight/light-corrosion resistant With ON – OFF pushbutton With ON – OFF/reset pushbutton	C – – –	C L P J
<u>Reversing, open</u> Standard	R	R
<u>Reversing, enclosed</u> Standard Dust-tight/light-corrosion resistant	M –	M G

⑦ Coil and contact specifications

Description	Code
Standard	AC operating coil DC operating coil Both AC and DC operating coil With extra pick-up operating coil
With super magnet	Both AC and DC operating coil
Mechanical latch (Contactor only)	AC operating coil DC operating coil Both AC and DC operating coil
With single-button auxiliary contact	AC operating coil DC operating coil With extra pick-up operating coil

⑧ Type of thermal overload relay

Description	Code
Standard	TR- □ 2-element TR- □/3 3-element
Long time operating	TR- □L 2-element TR- □L3 3-element
Quick operating	TR- □Q 3-element
Open-phase protection	TK- □ 3-element

⑨ **Coil voltage**

● **Frame size 03 to N4
 AC coil**

Operating coil voltage		Code
50Hz	60Hz	
24V	24-26V	E
48V	48-52V	F
100V	100-110V	1
100-110V	110-120V	H
110-120V	120-130V	K
200V	200-220V	2
200-220V	220-240V	M
220-240V	240-260V	P
346-380V	380-420V	S
380-400V	400-440V	4
415-440V	440-480V	T
480-500V	500-550V	5

● **Frame size 03 to N3
 DC coil**

Operating coil voltage		Code
12V DC		
24V DC		E
48V DC		F
60V DC		G
100V DC		1
110V DC		H
120V DC		K
200V DC		2
210V DC		Y
220V DC		M

● **Frame size N1/SE to N4/SE, N5 to N16
 AC and DC coil (common)**

Operating coil voltage		Code
AC 50/60Hz	DC	
24-25V	24V	E
48-50V	48V	F
100-127V	100-120V	1
200-250V	200-240V	2
265-347V	-	3
380-450V	-	4
460-575V	-	5

⑩⑪ **Auxiliary contact**

● **SC-03 to 5-1**

Contact arrangement	Code	
	⑨	⑩
1NO	1	0
1NC	0	1
1NO+1NC	1	1
2NO	2	0
2NC	0	2
2NO+2NC	2	2

● **SC-N1 to N16**

Contact arrangement	Code	
	⑨	⑩
2NO+2NC	2	2
3NO+3NC	3	3
4NO+4NC	4	4

⑫ **Thermal overload relay ampere setting range**

Ampere setting range (A)	Code	Ampere setting range (A)	Code	Ampere setting range (A)	Code
0.1 - 0.15	TA	4 - 6	TS	65 - 95	TM
0.13 - 0.2	TB	5 - 8	TT	85 - 105	TI
0.15 - 0.24	TC	6 - 9	TU	85 - 125	TN
0.2 - 0.3	TD	7 - 11	TV	110 - 160	TP
0.24 - 0.36	TE	9 - 13	TW	125 - 185	TR
0.3 - 0.45	TF	12 - 18	TX	160 - 240	TS
0.36 - 0.54	TG	16 - 22	TQ	200 - 300	TT
0.48 - 0.72	TH	18 - 26	TB	240 - 360	TU
0.64 - 0.96	TJ	24 - 36	TE	300 - 450	TV
0.8 - 1.2	TK	28 - 40	TF	400 - 600	TW
0.95 - 1.45	TL	32 - 42	TI		
1.4 - 2.2	TM	34 - 50	TG		
1.7 - 2.6	TN	45 - 65	TJ		
2.2 - 3.4	TP	48 - 68	TO		
2.8 - 4.2	TR	53 - 80	TL		

⑬ **No. of heater element and reset method**

Description	Code
Manual reset	Blank D
2-element	
3-element	
Auto reset	A B
2-element	
3-element	

Ordering example

● **Magnetic motor starter**

- ① Magnetic starter S
- ② SW series C
- ③④ Frame size: 5-1 20
- ⑤ Index Blank
- ⑥ Non-reversing, open: Standard A
- ⑦ Operating coil: AC operating A
- ⑧ Thermal overload relay: Standard N
- ⑨ Operating coil voltage: 220V-240V AC, 50Hz P
- ⑩⑪ Auxiliary contact: 1NO+1NC 11
- ⑫ Thermal overload relay heater range : 9-13 TW
- ⑬ No. of heater element: 3 D

Ordering code: SC20AAN-P11TWD

● **Magnetic contactor**

- ① Magnetic contactor S
- ② SC series C
- ③④ Frame size: N5 93
- ⑤ Index B
- ⑥ Non-reversing, open: Standard A
- ⑦ Operating coil: DC operating G
- ⑨ Operating coil voltage: 110V DC 1
- ⑩⑪ Auxiliary contact: 2NO+2NC 22

Ordering code: SC93BAG-122

Magnetic Contactors and Starters

SC and SW series

Specifications

■ Ratings

Conforming to IEC 60947-4-1, BS5424-1, VDE0660

Contactor Type	Starter Type	Max. motor capacity (kW)				Rated operational current (A)				Continuous current (A) *1
		200V 240V	380V 440V	500V 550V	600V 660V	200V 240V	380V 440V	500V 550V	600V 660V	
SC-03	SW-03/3H	2.5	4	4	4	11	9	7	5	20
SC-0	SW-0/3H	3.5	5.5	5.5	5.5	13	12	9	7	20
SC-05	SW-05/3H	3.5	5.5	5.5	5.5	13	12	9	7	20
SC-4-0	SW-4-0/3H	4.5	7.5	7.5	7.5	18	16	13	9	25
SC-4-1	SW-4-1/3H	5.5	11	11	7.5	22	22	17	9	32
SC-5-1	SW-5-1/3H	5.5	11	11	7.5	22	22	17	9	32
SC-N1	SW-N1/3H	7.5	15	15	11	32	32	24	15	50
SC-N2	SW-N2/3H	11	18.5	18.5	15	40	40	29	19	60
SC-N2S	SW-N2S/3H	15	22	25	22	50	50	38	26	80
SC-N3	SW-N3/3H	18.5	30	37	30	65	65	60	38	100
SC-N4	SW-N4/3H	22	40	37	37	80	80	60	44	135
SC-N5	SW-N5/3H	30	55	55	55	105	105	85	64	150
SC-N6	SW-N6/3H	37	60	60	60	125	125	90	72	150
SC-N7	SW-N7/3H	45	75	75	90	150	150	120	103	200
SC-N8	SW-N8/3H	55	90	130	132	180	180	180	150	260
SC-N10	SW-N10/3H	65	110	132	132	220	220	200	150	260
SC-N11	SW-N11/3H	90	160	160	200	300	300	230	230	350
SC-N12	SW-N12/3H	120	220	250	300	400	400	360	360	450
SC-N14	SW-N14/3H	180	315	400	480	600	600	600	600	660
SC-N16	—	220	440	500	500	800	800	720	630	800

Note: *1 The values are applied to contactors.

■ Utilization categories and making and breaking capacities

Utilization category	Typical applications	IEC 60947-4-1, BS5424, VDE0660			
		Making		Breaking	
		$\frac{I}{I_e}$	$\cos\phi$	$\frac{I_c}{I_e}$	$\cos\phi$
AC-1	Non-inductive loads	1.5	0.95	1.5	0.95
AC-2	Slip-ring motors Starting, plugging	4	0.65	4	0.65
AC-3	Squirrel cage motors Starting, switching off motors during running	$I_e \leq 100A$	0.45	8	0.45
		$I_e > 100A$	0.35	8	0.35
AC-4	Starting, plugging, inching	$I_e \leq 100A$	0.45	10	0.45
		$I_e > 100A$	0.35	10	0.35

Notes: I_e : Rated operational current
 E : Voltage before make
 I : Current made
 I_c : Current broken

■ Auxiliary contact ratings

Conforming to IEC60947-4-1, BS5424-1, VDE0660

Type	Continuous current (A)	Make and break capacity at AC (A)	Rated operational current (A)					Minimum voltage and current	
			AC Voltage (V)	AC-15 (Ind.load)	AC-12 (Res.load)	DC Voltage (V)	DC-13 (Ind.load)		DC-12 (Res.load)
SC-03 to SC-N12	10	60	100–120	6	10	24	3	5	5V 3mA
		30	200–240	3	8	48	1.5	3	
		15	380–440	1.5	5	110	0.55	2.5	
		12	500–600	1.2	5	220	0.27	1	
SC-N14 to SC-16N	10	60	100–120	6	10	24	5	10	24V 10mA
		60	200–240	6	10	48	1.5	5	
		40	380–440	4	10	110	0.55	2.5	
		25	500–600	2.5	10	220	0.27	1	

**■ Inching and plugging operations
(Conforming to IEC 60947-4-1)**

In applications where inching and plugging operations are included the contact wear will be increased. Therefore, it is necessary to select ones having larger frame sizes than in standard applications so as to minimize the needs of maintenance and replacement.

Voltage	Motor ratings		50% inching operation	
	Capacity (kW)	Full load current (A)	Electrical life 100,000 operations	500,000 operations
200V 240V	0.2	1.8	SC-03	SC-03
	0.4	3.2	SC-03	SC-03
	0.75	4.8	SC-03	SC-0, 05
	1.5	8.0	SC-03	SC-4-1, 5-1
	2.2	11.1	SC-4-0	SC-N1
	3.7	17.4	SC-4-1, 5-1	SC-N2
	5.5	26	SC-N1	SC-N3
	7.5	34	SC-N2	SC-N5
	11	48	SC-N3	SC-N7
	15	65	SC-N4	SC-N8
380V 440V	18.5	79	SC-N5	SC-N10
	22	93	SC-N6	SC-N11
	30	124	SC-N7	SC-N14
	37	152	SC-N8	SC-N14
	45	180	SC-N10	—
	55	220	SC-N11	—
	75	300	SC-N14	—
	0.75	2.4	SC-03	SC-03
	1.5	4.0	SC-03	SC-03
	2.2	5.6	SC-03	SC-4-0
3.7	8.7	SC-03	SC-4-1, 5-1	
5.5	13	SC-4-0	SC-N1	
7.5	17	SC-4-1, 5-1	SC-N2	
11	24	SC-N1	SC-N3	
15	32.5	SC-N2	SC-N5	
18.5	39.5	SC-N3	SC-N6	
22	46.5	SC-N3	SC-N7	
30	62	SC-N4	SC-N8	
37	76	SC-N5	SC-N10	
45	90	SC-N6	SC-N11	
55	110	SC-N7	SC-N14	
75	150	SC-N8	SC-N14	
90	180	SC-N10	—	
110	220	SC-N11	—	
132	264	SC-N14	—	
150	300	SC-N14	—	
160	320	SC-N14	—	

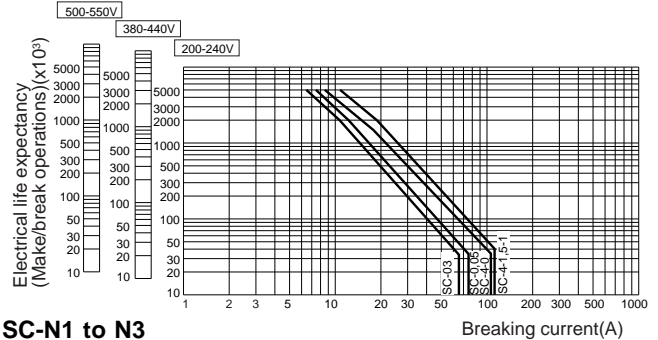
Notes: 1. $\text{Inching \%} = \frac{\text{No. of inching operations}}{\text{Total No. of switching operations}} \times 100\%$

2. Light inching: 50%
 Printing machine and similar equipment
 Heavy inching: 75 – 100%
 Machine tool, hoist and similar equipment (In cases when there are frequent on/off operations involving starting rush current).

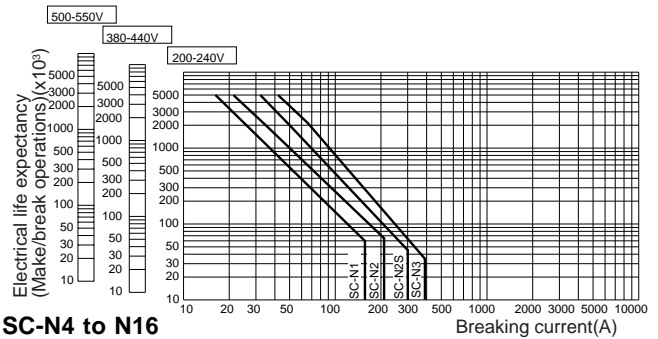
■ Standard conditions for operation in service

- Temperature range:
 Operating: -5°C to +40°C
 (-5°C to +55°C inside panel box)
 Storage: -40°C to +65°C
- Humidity: 45 to 85% RH
- Vibration: 10 to 55Hz, 15m/s²
- Shock: 50m/s²
- Altitude: 2000m (6600ft) or lower
- Ip: 40

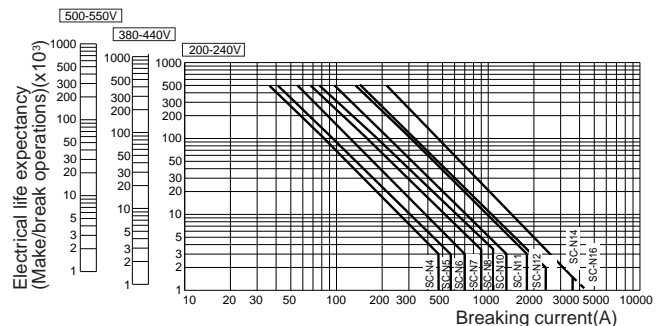
**■ SC series life expectancy
SC-03 to 5-1**



SC-N1 to N3

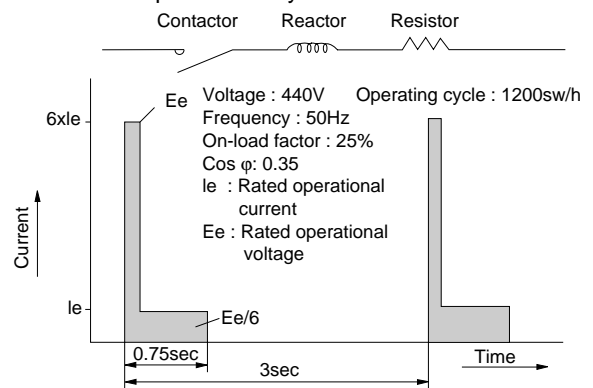


SC-N4 to N16



■ Testing method—Category AC-3

The method of determining the life expectancy and performance is prescribed by IEC as below.



A current equal to six times that of the rated operational current of the starter is applied to the terminals the switch is closed and the current immediately reduced to the rated operational current and then interrupted.

Magnetic Contactors and Starters

SC and SW series

Specifications

■ Performance data

Frame size	Making capacity I/le	Breaking capacity I/le	Operating cycles per hour	Voltage	Life expectancy (operations)	
					Electrical	Mechanical
03, 0, 05	12	10	1,800	200/240V AC 380/440V AC	2 million	10 million
4-0	12	10	1,800	200/240V AC 380/440V AC	1.5 million	10 million
4-1, 5-1	12	10	1,800	200/240V AC 380/440V AC	2 million	10 million
N1 to N3	12	10	1,200	200/240V AC 380/440V AC	1.5 million	10 million (N1, N2) 5 million (N2S, N3)
N4 to N11	12	10	1,200	200/240V AC 380/440V AC	1 million	5 million
N12, N14	12	10	1,200	200/240V AC 380/440V AC	500,000	5 million
N16	12	10	1,200	200/240V AC 380/440V AC	250,000	2.5 million

le: Rated operational current. I: Making or breaking current

■ Coil voltage

● Frame size 03 to N4

Frame size	Coil operating voltage and frequency (AC)			Order voltage	Coil voltage code	Identification by coil color	Wiring
	24V	50Hz/24-26V	60Hz				
03	24V	50Hz/24-26V	60Hz	AC24V	E	White	
0	48V	50Hz/48-52V	60Hz	AC48V	F	White	
05	100V	50Hz/100-110V	60Hz	AC100V	1	Green (Standard voltage)	
4-0	100-110V	50Hz/110-120V	60Hz	AC110V	H	White	
4-1	110-120V	50Hz/120-130V	60Hz	AC120V	K	White	
5-1	200V	50Hz/200-220V	60Hz	AC200V	2	Yellow (Standard voltage)	
N1	200-220V	50Hz/220-240V	60Hz	AC220V	M	White	
N2	220-240V	50Hz/240-260V	60Hz	AC240V	P	White	
N2S	346-380V	50Hz/380-420V	60Hz	AC380V	S	White	
N3	380-400V	50Hz/400-440V	60Hz	AC400V	4	Purple (Standard voltage)	
N4	415-440V	50Hz/440-480V	60Hz	AC440V	T	White	
	480-500V	50Hz/500-550V	60Hz	AC500V	5	White	

Notes: • Other voltages are available in 24 to 600V ranges on request.
 • For frame size N1/SE to N4/SE, 24V to 250V AC (24V to 240V DC) is available.
 • Use the coil voltage code, not specifying your actual voltage when ordering. Contactors with coil voltage range which corresponds to the voltage code you specified will be shipped from factory.
 The above coil operating voltage and frequency (not voltage code) are shown on the products.

● Frame size N5 to N16

Frame size	Coil operating voltage and frequency		Order voltage	Coil voltage code	Identification by coil color	Wiring
	AC	DC				
N5	24-25V 50/60Hz	24V	AC24V *3	E	White	
N6	48-50V 50/60Hz	48V	AC48V *3	F	White	
N7	100-127V 50/60Hz	100-120V *1	AC100V	1	Green (Standard voltage)	
N8						
N10	200-250V 50/60Hz	200-240V *2	AC200V	2	Yellow (Standard voltage)	
N11	265-347V 50/60Hz	-	AC300V	3	White	
N12	380-450V 50/60Hz	-	AC400V	4	Purple (Standard voltage)	
N14	460-575V 50/60Hz	-	AC500V	5	White	

Notes: • The coils are AC/DC common use (rated voltage 200V or less)
 • Standard rated voltages are 100V, 200V and 400V.
 Other voltages are available in 24V to 575V AC (24V to 240V DC) in frame size N5 to N12, also available in 100V to 575V AC (100V to 240V DC) in frame size N14 to N16.
 • Use the coil voltage code, not specifying your actual voltage when ordering. Contactors with coil voltage range which corresponds to the voltage code you specified will be shipped from factory.
 The above coil operating voltage and frequency (not voltage code) are shown on the products.
 *1: The coil voltage from a DC power supply with single phase full-wave rectification will be 100 to 110 V.
 *2: The coil voltage from a DC power supply with single phase full-wave rectification will be 200 to 220 V.
 *3: The coil voltage 24V and 48V are not available in frame size N14 to N16.

■ **Coil characteristics**
 ● **Frame size 03 to N4**

Frame size	Power consumption		Watt loss (W)		Pick-up voltage (V)		Drop-out voltage (V)		Operating time (ms)	
	Inrush (VA)	Sealed (VA)	200V 50Hz	220V 60Hz	200V 50Hz	220V 60Hz	200V 50Hz	220V 60Hz	Coil ON→ Contact ON	Coil OFF→ Contact OFF
03	95	9	2.7	2.8	105-125	116-136	70-98	80-110	9-20	5-16
0	95	9	2.7	2.8	105-125	116-136	70-98	80-110	9-20	5-16
05	95	9	2.7	2.8	105-125	116-136	70-98	80-110	9-20	5-16
4-0	95	9	2.7	2.8	118-136	130-146	75-106	88-120	9-20	5-16
4-1	95	9	2.7	2.8	118-136	130-146	75-106	88-120	9-20	5-16
5-1	95	9	2.7	2.8	118-136	130-146	75-106	88-120	9-20	5-16
N1	135	12.7	3.6	3.8	110-130	120-140	75-105	85-115	10-17	6-13
N2	135	12.7	3.6	3.8	110-130	120-140	75-105	85-115	10-17	6-13
N2S	190	13.3	4.5	5	115-135	130-150	85-110	100-125	10-18	8-18
N3	190	13.3	4.5	5	115-135	130-150	85-110	100-125	10-18	8-18
N4	210	14.3	4.8	5.3	120-140	135-155	70-95	95-120	16-23	7-17

Note: Coil ratings 200V 50Hz, 200 to 220V 60Hz. Operating time is based on 200V 50Hz.

● **Frame size N5 to N16, N1/SE to N4/SE (contactor only)**

AC operating

Frame size	Power consumption		Watt loss (W)		Pick-up voltage (V)	Drop-out voltage (V)	Operating time (ms)	
	Inrush (VA)	Sealed (VA)	200V 50Hz	220V 60Hz	200V 50/60Hz	200V 50/60Hz	Coil ON→ Contact ON	Coil OFF→ Contact OFF
N5	95	4.6	3.2	3.6	140-150	60-100	39-45	27-33
N6	230	5.8	3.4	3.7	140-150	60-100	31-37	30-36
N7	230	5.8	3.4	3.7	140-150	60-100	31-37	30-36
N8	255	6.2	4.7	5.2	140-150	60-100	38-44	31-37
N10	255	6.2	4.7	5.2	140-150	60-100	38-44	31-37
N11	320	6.5	5.6	6	140-180	60-100	43-49	41-47
N12	320	6.5	5.6	6	140-180	60-100	43-49	41-47
N14	460	11	7.8	8.6	140-150	60-100	69-75	56-62
N16	460	11	7.8	8.6	140-150	60-100	69-75	56-62
N1/SE	130	4.2	2.8	3.2	140-150	60-100	21-27	18-24
N2/SE	130	4.2	2.8	3.2	140-150	60-100	21-27	18-24
N2S/SE	160	4.3	2.9	3.3	140-150	60-100	24-30	26-32
N3/SE	160	4.3	2.9	3.3	140-150	60-100	24-30	26-32
N4/SE	95	4.6	3.2	3.6	140-150	60-100	39-45	27-33

Note: Coil ratings 200 to 250V 50/60Hz, 200 to 220V DC. Operating time is based on 200V 50/60Hz.

DC operating

Frame size	Power consumption		Time constant (ms) Sealed	Pick-up voltage (V)	Drop-out voltage (V)	Operating time (ms)	
	Inrush (W)	Sealed (W)		200V DC	200V DC	Coil ON→ Contact ON	Coil OFF→ Contact OFF
N5	110	3	1	140-160	40-100	35-41	26-32
N6	275	4	1	140-160	40-100	38-34	27-33
N7	275	4	1	140-160	40-100	38-34	27-33
N8	300	4.5	1	140-160	40-100	33-39	31-37
N10	300	4.5	1	140-160	40-100	33-39	31-37
N11	410	4.6	1	140-160	40-100	38-44	41-47
N12	410	4.6	1	140-160	40-100	38-44	41-47
N14	500	8.8	1	140-160	40-100	64-70	52-57
N16	500	8.8	1	140-160	40-100	64-70	52-57

Note: Coil ratings 200 to 250V 50/60Hz, 200 to 220V DC. Operating time is based on 200V DC.

Magnetic Contactors and Starters

SC and SW series

Specifications

DC applications of magnetic contactors

■ Description

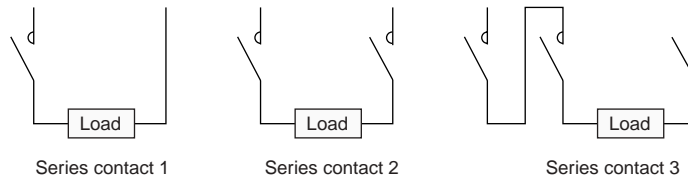
FUJI magnetic contactors in the SC series are normally used in AC circuit applications. However, they may also be used in DC circuits, and in this case their contacts must be connected in series as shown in the diagram.

When used in this manner they will be found to be more economical than using contactors exclusively designed for DC applications. Coils are available for both AC and DC.

If the following ratings are observed the equipment will have an electrical service life expectancy of approx. 500,000 operations.

■ Wiring connection

Contacts must be connected in series when the contactors are used in DC applications.



■ Ratings

Type	No. of contacts connected in series	Rated operational current (A)							
		Class DC-1 (Resistive, L/R ≤ 1ms.)				Class DC-3, 6 (DC motor, L/R ≤ 15ms.)			
		24V	48V	110V	220V	24V	48V	110V	220V
SC-03	1	13	13	10	1.2	6	3	2	0.35
	2	13	13	10	6	12	6	4	1.2
	3	15	15	15	15	15	10	8	4
SC-0	1	13	13	10	1.2	6	3	2	0.35
	2	13	13	10	6	12	6	4	1.2
	3	15	15	15	15	15	10	8	4
SC-05	1	13	13	10	1.2	6	3	2	0.35
	2	13	13	10	6	12	6	4	1.2
	3	15	15	15	15	15	10	8	4
SC-4-0	1	16	13	10	1.5	8	6	2	0.35
	2	16	16	12	8	16	12	6	1.5
	3	18	18	18	15	18	18	12	6
SC-4-1	1	20	15	12	2	10	8	3	0.35
	2	20	20	15	10	20	15	8	2
	3	22	22	20	15	22	22	15	8
SC-5-1	1	20	15	12	2	10	8	3	0.35
	2	20	20	15	10	20	15	8	2
	3	22	22	20	15	22	22	15	8
SC-N1	1	25	25	15	2	15	8	3	0.35
	2	25	25	25	20	25	15	8	2
	3	35	35	30	25	35	25	20	8
SC-N2	1	30	30	20	2	20	15	4	0.35
	2	30	30	30	20	30	20	15	3
	3	45	45	40	35	35	30	30	8
SC-N2S	2	60	60	40	20	60	30	20	3.5
	3	60	60	60	40	60	60	60	13
SC-N3	2	80	80	50	20	80	40	20	4
	3	80	80	80	60	80	80	80	20
SC-N4	2	80	80	50	20	80	40	20	4
	3	80	80	80	60	80	80	80	20
SC-N5	2	120	120	80	40	120	80	40	15
	3	120	120	120	120	120	120	120	80
SC-N6	2	120	120	80	40	120	80	40	15
	3	120	120	120	120	120	120	120	80
SC-N7	2	160	160	100	80	160	120	80	40
	3	160	160	160	160	160	160	160	160
SC-N8	2	200	200	160	160	200	160	120	60
	3	200	200	200	200	200	200	200	200
SC-N10	2	200	200	160	160	200	160	120	60
	3	200	200	200	200	200	200	200	200
SC-N11	2	300	300	200	200	300	200	160	80
	3	300	300	300	300	300	300	300	300
SC-N12	2	400	400	330	300	400	300	200	100
	3	400	400	400	400	400	400	400	400
SC-N14	2	600	500	420	300	-	-	-	-
	3	600	600	600	420	-	-	-	-