

SC-NEXT

List of new products



ver.240405

1. Existing products : SC-03 / New products : SC09X
2. Existing products : SC-0 / New products : SC12X
3. Existing products : SC-05 / New products : SC12X
4. Existing products : SC-4-0 / New products : SC18X
5. Existing products : SC-4-1 / New products : SC20X
6. Existing products : SC-5-1 / New products : SC20D
7. Existing products : SC-N1 / New products : SC26X、 SC26D
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9. Existing products : SH-4、 SH-5 (Auxiliary relay) / New products : SCH4X

Fuji Electric FA Components & Systems Co., Ltd.

Existing products : SC-03 rated current: 9A, Motor capacity: 2.2kW, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC09X

		New products	
Type	SC-03	SC09X	
Appearance			
Compatibility	-		Dimensions:○ Screw mounting dimensions:◎ Screw size :◎ Auxiliary contact configuration:◎ Performance:○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes
AC-3 400V, IEC Rating (A)	9	9	
AC-1=Ith (A)	20/55°C	20/55°C	
Main terminal screw size	M3.5	M3.5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)	1 1NO,1NC	1 1NO,1NC	
Life (Million times)	Electrical (AC-3):200 Voltage :240 V Mechanical: 1000	Electrical (AC-3):200 Voltage :240 V Mechanical: 1000	
Magnet Capacity () indicates low consumption type	AC operating Inrush VA 50Hz:90 Sealed VA 50Hz:9 DC operating Inrush W DC24V:7 Sealed W DC24V:7	AC operating Inrush VA 50Hz:66 Sealed VA 50Hz:7.2 DC operating Inrush W DC24V:3.9(2.4) Sealed W DC24V:3.9(2.4)	
External Dimensions	AC operated type W×H×D: 43×81×80 DC operated type W×H×D: 43×81×107	AC operated type W×H×D: 43×80×78 DC operated type W×H×D: 43×80×96	
Remarks	-	-	



Existing products : SC-0 rated current: 12A, Motor capacity: 2.7kW, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC12X

		New products	
Type	SC-0	SC12X	
Appearance			
Compatibility	-	External Dimensions: ○ Screw mounting dimensions: ◎ Screw size: ◎ Auxiliary contact configuration: ◎ Performance: ○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
AC-3 400V, IEC Rating (A)	12	12	
AC-1=Ith (A)	20/55°C	20/55°C	
Main terminal screw size	M3.5	M3.5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)	1 1NO,1NC	1 1NO,1NC	
Life (Million times)	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	
Magnet Capacity () indicates low consumption type	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V: 7 Sealed W DC24V: 7	AC operating Inrush VA 50Hz: 66 Sealed VA 50Hz: 7.2 DC operating Inrush W DC24V: 3.9(2.4) Sealed W DC24V: 3.9(2.4)	
External Dimensions	AC operated type W×H×D: 43×81×80 DC operated type W×H×D: 43×81×107	AC operated type W×H×D: 43×80×78 DC operated type W×H×D: 43×80×96	
Remarks	-	-	

Existing products : SC-05 rated current: 12A, Motor capacity: 2.7kW, Number of aux. contacts: 2 contacts (2NO or 2NC or 1NO1NC)

New products : SC12X

		New products	
Type	SC-05	SC12X	
Appearance			
Compatibility	-	External Dimensions: × Screw mounting dimensions: × Screw size: ◎ Auxiliary contact configuration: × Performance: ○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
AC-3 400V, IEC Rating (A)	12	12	
AC-1=lth (A)	20/55°C	20/55°C	
Main terminal screw size	M3.5	M3.5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)	2 1NO+1NC, 2NO, 2NC	1 1NO,1NC	
Life (Million times)	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	
Magnet Capacity () indicates low consumption type	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V: 7 Sealed W DC24V: 7	AC operating Inrush VA 50Hz: 66 Sealed VA 50Hz: 7.2 DC operating Inrush W DC24V: 3.9(2.4) Sealed W DC24V: 3.9(2.4)	
External Dimensions	AC operated type W×H×D: 53×81×80 DC operated type W×H×D: 53×81×107	AC operated type W×H×D: 43×80×78 DC operated type W×H×D: 43×80×96	
Remarks	-	Additional aux. contact unit: Select SZ3A11 or SZ3AS1.	



Existing products : SC-4-0 rated current: 18A, Motor capacity: 3.7kW, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC18X

		New products	
Type	SC-4-0	SC18X	
Appearance			
Compatibility	-	External Dimensions: × Screw mounting dimensions: ◎ Screw size: × Auxiliary contact configuration: ◎ Performance: ○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
AC-3 400V, IEC Rating (A)	16	18	
AC-1=lth (A)	25/55°C	25/55°C	
Main terminal screw size	M4	M3.5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)	1 1NO,1NC	1 1NO,1NC	
Life (Million times)	Electrical (AC-3): 150 Voltage: 240V Mechanical: 1000	Electrical (AC-3): 150 Voltage: 240V Mechanical: 1000	
Magnet Capacity () indicates low consumption type	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V: 7 Sealed W DC24V: 7	AC operating Inrush VA 50Hz: 66 Sealed VA 50Hz: 7.2 DC operating Inrush W DC24V:3.9(2.4) Sealed W DC24V: 3.9(2.4)	
External Dimensions	AC operated type W×H×D: 53×81×81 DC operated type W×H×D: 53×81×108	AC operated type W×H×D: 43×80×78 DC operated type W×H×D: 43×80×96	
Remarks	-	-	

Existing products : SC-4-1 rated current: 19A, Motor capacity: 4kW, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC20X

		New products	
Type	SC-4-1	SC20X	
Appearance			
Compatibility	-	External Dimensions: ◎ Screw mounting dimensions: ◎ Screw size: ◎ Auxiliary contact configuration: ◎ Performance: ○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
AC-3 400V, IEC Rating (A)	22	20	
AC-1=lth (A)	32/55°C	32/55°C	
Main terminal screw size	M4	M4	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)	1 1NO,1NC	1 1NO,1NC	
Life (Million times)	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	
Magnet Capacity () indicates low consumption type	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V: 7 Sealed W DC24V: 7	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V:4.6(2.4) Sealed W DC24V:4.6(2.4)	
External Dimensions	AC operated type W×H×D: 53×81×81 DC operated type W×H×D: 53×81×108	AC operated type W×H×D: 53×80×82 DC operated type W×H×D: 53×80×108	
Remarks	-	-	




Existing products : SC-5-1 rated current: 19A, Motor capacity: 4kW, Number of aux. contacts: 2 contacts (2NO or 2NC or 1NO1NC)

New products : SC20D

		New products	
Type	SC-5-1	SC20D	
Appearance			
Compatibility	-	External Dimensions: ◎ Screw mounting dimensions: ◎ Screw size: ◎ Auxiliary contact configuration: ◎*1 Performance: ○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
AC-3 400V, IEC Rating (A)	22	20	
AC-1=lth (A)	32/55°C	32/55°C	
Main terminal screw size	M4	M4	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)	2 1NO+1NC, 2NO, 2NC	2 1NO+1NC, 2NO, 2NC	
Life (Million times)	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	
Magnet Capacity () indicates low consumption type	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V: 7 Sealed W DC24V: 7	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V: 4.6(2.4) Sealed W DC24V: 4.6(2.4)	
External Dimensions	AC operated type W×H×D: 64×81×81 DC operated type W×H×D: 64×81×108	AC operated type W×H×D: 64×80×82 DC operated type W×H×D: 64×80×108	
Remarks	-	*1: There is no 2NO+2NC product lineup. Select an additional auxiliary contact unit.	




Existing products : SC-N1 rated current: 26A, Motor capacity: 5.5kW, Number of aux. contacts: 4 contacts (2NO2NC)

New products : SC26X、SC26D

Type	SC-N1	New products	
		SC26X	SC26D
Appearance			
Compatibility	-	External Dimensions: × Screw mounting dimensions: ○ Screw size: × Auxiliary contact configuration: × Performance: ○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	External Dimensions: × Screw mounting dimensions: ○ Screw size: × Auxiliary contact configuration: × Performance: ○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes
AC-3 400V, IEC Rating (A)	32	26	26
AC-1=Ith (A)	50/55°C	50/55°C	50/55°C
Main terminal screw size	M5	M4	M4
Number of auxiliary contacts (¹ "1NO, 1NC" indicates 1NO or 1NC)	4 2NO+2NC	1 1NO,1NC	2 1NO+1NC, 2NO, 2NC
Life (Million times)	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000
Magnet Capacity (¹) indicates low consumption type	AC operating Inrush VA 50Hz: 120 Sealed VA 50Hz: 12.7 DC operating Inrush W DC24V: 9 Sealed W DC24V: 9	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V:4.6(2.4) Sealed W DC24V:4.6(2.4)	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V:4.6(2.4) Sealed W DC24V:4.6(2.4)
External Dimensions	AC operated type W×H×D: 74×87×96 DC operated type W×H×D: 74×87×122	AC operated type W×H×D: 53×80×82 DC operated type W×H×D: 53×80×108	AC operated type W×H×D: 64×80×82 DC operated type W×H×D: 64×80×108
Remarks	-	-	-




Existing products : SC-N2 rated current: 38A, Motor capacity: 7.5kW, Number of aux. contacts: 4 contacts (2NO2NC)

New products : SC38X、SC38D

Type	SC-N2	New products	
		SC38X	SC38D
Appearance			
Compatibility	-	External Dimensions: × Screw mounting dimensions: ○ Screw size: × Auxiliary contact configuration: × Performance: ○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	External Dimensions: × Screw mounting dimensions: ○ Screw size: × Auxiliary contact configuration: × Performance: ○ ※ ◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes
AC-3 400V, IEC Rating (A)	40	38	38
AC-1=Ith (A)	60/55°C	50/55°C	50/55°C
Main terminal screw size	M5	M4	M4
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)	4 2NO+2NC	1 1NO,1NC	2 1NO+1NC, 2NO, 2NC
Life (Million times)	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000	Electrical (AC-3): 200 Voltage: 240V Mechanical: 1000
Magnet Capacity () indicates low consumption type	AC operating Inrush VA 50Hz: 120 Sealed VA 50Hz: 12.7 DC operating Inrush W DC24V: 9 Sealed W DC24V: 9	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V:4.6(2.4) Sealed W DC24V:4.6(2.4)	AC operating Inrush VA 50Hz: 90 Sealed VA 50Hz: 9 DC operating Inrush W DC24V: 4.6(2.4) Sealed W DC24V: 4.6(2.4)
External Dimensions	AC operated type W×H×D: 74×87×96 DC operated type W×H×D: 74×87×122	AC operated type W×H×D: 53×80×82 DC operated type W×H×D: 53×80×108	AC operated type W×H×D: 64×80×82 DC operated type W×H×D: 64×80×108
Remarks	-	-	-

Existing products : SH-4, SH-5 (auxiliary relay)

New products : SCH4X

Type	New products		
	SH-4	SH-5	SCH4X
Appearance			
Open circuit thermal current I _{th} (A) 60°C	10	10	10
Min. working voltage	DC5V	DC5V	DC5V
Minimum operating current	3mA	3mA	3mA
Main terminal screw size	M3.5	M3.5	M3.5
Number of main unit auxiliary contacts	4	5	4(4NO, 3NO+1NC, 2NO+2NC)
Maximum number of auxiliary contacts (Additional auxiliary combination)	4+4=8	5+4=9	4+4=8
Life (Million times)	Mechanical:1000	Mechanical:1000	Mechanical:1000
Magnet Capacity	AC operating Inrush VA 50Hz:90 Sealed VA 50Hz:9 DC operating Inrush W DC24V:7 Sealed W DC24V:7	AC operating Inrush VA 50Hz:90 Sealed VA 50Hz:9 DC operating Inrush W DC24V:7 Sealed W DC24V:7	AC operating Inrush VA 50Hz:66 Sealed VA 50Hz:7.2 DC operating Inrush W DC24V:3.9(2.4) Sealed W DC24V:3.9(2.4)
External Dimensions	AC operated type W×H×D: 43×81×80 DC operated type W×H×D: 43×81×107	AC operated type W×H×D: 53×81×80 DC operated type W×H×D: 53×81×107	AC operated type W×H×D: 43×80×78 DC operated type W×H×D: 43×80×96
Remarks	-	-	No 5-pole body equivalent to SH-5