

SC-NEXT

List of new products

ver.250331

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3. Existing products : SC-05／New products : SC12X
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Fuji Electric FA Components & Systems Co., Ltd.

Existing products : SC-03 rated current: 9A, Motor capacity: 4kW, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC09X

				New product	
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	
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V			9 / 7	9 / 9	
Conventional free air thermal current (Ith) [A]			20	20	
Main terminal screw size			M3.5	M3.5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)			1NO,1NC (1a,1b)	1NO,1NC (1a,1b)	
Durability [Million times]	Electrical AC-3,AC-3e,220V		2	2	
	Mechanical		10	10	
Magnet Capacity	AC operating[VA] 200V 50Hz	Inrush	90	66	
		Sealed	9	7.2	
	DC operating[W] () indicates low consumption type	Inrush	7	3.9(2.4)	
		Sealed	7	3.9(2.4)	
External Dimensions W × H × D[mm]	AC operating		43 × 81 × 80	43 × 80 × 78	
	DC operating		43 × 81 × 107	43 × 80 × 96	
Remarks			-	-	

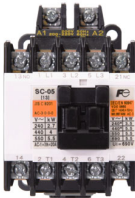
Existing products : SC-0 rated current: 12A, Motor capacity: 5.5kW, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC12X

				New product	
Type			SC-0	SC12X	
Appearance					
Compatibility			-	Dimensions : ○ Screw mounting dimensions : ◎ Screw size : ◎ Auxiliary contact configuration : ◎ Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V			12/ 9	12 / 12	
Conventional free air thermal current (Ith) [A]			20	20	
Main terminal screw size			M3.5	M3.5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)			1NO, 1NC (1a, 1b)	1NO, 1NC (1a, 1b)	
Durability [Million times]	Electrical AC-3,AC-3e,220V		2	2	
	Mechanical		10	10	
Magnet Capacity	AC operating[VA] 200V 50Hz	Inrush	90	66	
		Sealed	9	7.2	
	DC operating[W] () indicates low consumption type	Inrush	7	3.9(2.4)	
		Sealed	7	3.9(2.4)	
External Dimensions W × H × D[mm]	AC operating		43 × 81 × 80	43 × 80 × 78	
	DC operating		43 × 81 × 107	43 × 80 × 96	
Remarks			-	-	

Existing products : SC-05 rated current: 12A, Motor capacity: 5.5kW, Number of aux. contacts: 2 contacts(2NO or 1NO+1NC or 2NC)

New products : SC12X

				New product		New product			
Type				SC-05		SC12X + SZ3AS1(Side mounting)		SC12X + SZ3A11(Front mounting)	
Appearance									
Compatibility				-		Dimensions : ◎ Screw mounting dimensions : ◎ Screw size : ◎ Auxiliary contact configuration : ○ Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes		Dimensions : × Screw mounting dimensions : ◎ Screw size : ◎ Auxiliary contact configuration : ○ Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V				12 / 9		12 / 12		12 / 12	
Conventional free air thermal current (Ith) [A]				20		20		20	
Main terminal screw size				M3.5		M3.5		M3.5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)				2NO, 1NO+1NC, 2NC (2a, 1a1b, 2b)		2NO+1NC, 1NO+2NC (2a1b, 1a2b)		2NO+1NC, 1NO+2NC (2a1b,1a2b)	
Durability [Million times]		Electrical AC-3,AC-3e,220V		2		2		2	
		Mechanical		10		10		10	
Magnet Capacity		AC operating[VA] 200V 50Hz	Inrush	90		66		66	
			Sealed	9		7.2		7.2	
		DC operating[W] () indicates low consumption type	Inrush	7		3.9(2.4)		3.9(2.4)	
			Sealed	7		3.9(2.4)		3.9(2.4)	
External Dimensions W × H × D[mm]		AC operating		53×81×80		53×80×78		43×80×111	
		DC operating		53×81×107		53×80×96		43×80×129	
Remarks				-		Terminal numbers and terminal arrangement will be changed.		Terminal numbers and terminal arrangement will be changed.	

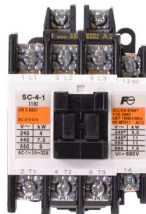
Existing products : SC-4-0 rated current: 16A, Motor capacity: 7.5kW, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC18X

				New product		
Type		SC-4-0		SC18X		
Appearance						
Compatibility		-		Dimensions : × Screw mounting dimensions : ◎ Screw size : × Auxiliary contact configuration : ◎ Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes		
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V		16 / 13		18 / 18		
Conventional free air thermal current (Ith) [A]		25		25		
Main terminal screw size		M4		M3.5		
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)		1NO, 1NC (1a, 1b)		1NO, 1NC (1a, 1b)		
Durability [Million times]	Electrical AC-3,AC-3e,220V		1.5		1.5	
	Mechanical		10		10	
Magnet Capacity	AC operating[VA] 200V 50Hz	Inrush	90		66	
		Sealed	9		7.2	
	DC operating[W] () indicates low consumption type	Inrush	7		3.9(2.4)	
		Sealed	7		3.9(2.4)	
External Dimensions W × H × D[mm]	AC operating		53×81×81		43×80×78	
	DC operating		53×81×108		43×80×96	
Remarks		-		-		

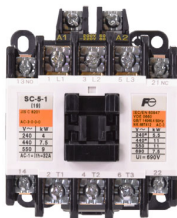
Existing products : SC-4-1 rated current: 22A, Motor capacity: 11kW, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC20X

				New product	
Type			SC-4-1	SC20X	
Appearance					
Compatibility			-	Dimensions : ◎ Screw mounting dimensions : ◎ Screw size : ◎ Auxiliary contact configuration : ◎ Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V			22 / 17	20 / 20	
Conventional free air thermal current (Ith) [A]			32	32	
Main terminal screw size			M4	M4	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)			1NO, 1NC (1a, 1b)	1NO, 1NC (1a, 1b)	
Durability [Million times]	Electrical AC-3,AC-3e,220V		2	2	
	Mechanical		10	10	
Magnet Capacity	AC operating[VA] 200V 50Hz	Inrush	90	90	
		Sealed	9	9.0	
	DC operating[W] () indicates low consumption type	Inrush	7	4.6(2.4)	
		Sealed	7	4.6(2.4)	
External Dimensions W × H × D[mm]	AC operating		53×81×81	53×80×82	
	DC operating		53×81×108	53×80×108	
Remarks			-	-	

Existing products : SC-5-1 rated current: 22A, Motor capacity: 11kW, Number of aux. contacts: 2 contacts (2NO or 1NO+1NC or 2NC)

New products : SC20D

				New product	
Type			SC-5-1		SC20D
Appearance					
Compatibility			-		Dimensions : ◎ Screw mounting dimensions : ◎ Screw size : ◎ Auxiliary contact configuration : ◎*1 Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V			22 / 17		20 / 20
Conventional free air thermal current (Ith) [A]			32		32
Main terminal screw size			M4		M4
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)			2NO, 1NO+1NC, 2NC (2a, 1a1b, 2b)		2NO, 1NO+1NC, 2NC (2a, 1a1b, 2b)
Durability [Million times]	Electrical AC-3,AC-3e,220V		2		2
	Mechanical		10		10
Magnet Capacity	AC operating[VA] 200V 50Hz	Inrush	90		90
		Sealed	9		9.0
	DC operating[W] () indicates low consumption type	Inrush	7		4.6(2.4)
		Sealed	7		4.6(2.4)
External Dimensions W × H × D[mm]	AC operating		64 × 81 × 81		64 × 80 × 82
	DC operating		64 × 81 × 108		64 × 80 × 108
Remarks			-		*1: If you are using 2NO+2NC (2a2b), please refer to the catalog for details.

Existing products : SC-N1 rated current: 32A, Motor capacity: 15kW, Number of aux. contacts: 4 contacts (2NO+2NC)

New products : SC26X、SC26D、SC32X

				New product		New product		New product			
Type				SC-N1		SC26X		SC26D		SC32X	
Appearance											
Compatibility				-		Dimensions : × Screw mounting dimensions : Ø*2 Screw size : × Auxiliary contact configuration : × Performance : ○ ※○:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/ with major changes		Dimensions : × Screw mounting dimensions : Ø*2 Screw size : × Auxiliary contact configuration : × Performance : ○ ※○:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/ with major changes		Dimensions : × Screw mounting dimensions : Ø*2 Screw size : × Auxiliary contact configuration : × Performance : ○ ※○:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/ with major changes	
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V				32 / 25		26 / 26		26 / 26		32 / 32	
Conventional free air thermal current (Ith) [A]				50		50		50		50	
Main terminal screw size				M5		M4		M4		M4	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)				2NO+2NC (2a2b)		1NO, 1NC (1a, 1b)		2NO, 1NO+1NC, 2NC (2a, 1a1b, 2b)		1NO, 1NC (1a, 1b)	
Durability [Million times]	Electrical AC-3,AC-3e,220V			2		2		2		2	
	Mechanical			10		10		10		10	
Magnet Capacity	AC operating[VA] 200V 50Hz	Inrush	120		90		90		90		
		Sealed	12.7		9.0		9.0		9.0		
	DC operating[W] () indicates low consumption type	Inrush	9		4.6(2.4)		4.6(2.4)		4.6(2.4)		
		Sealed	9		4.6(2.4)		4.6(2.4)		4.6(2.4)		
External Dimensions W × H × D[mm]	AC operating			74 × 87 × 96		53 × 80 × 82		64 × 80 × 82		53 × 80 × 82	
	DC operating			74 × 87 × 122		53 × 80 × 108		64 × 80 × 108		53 × 80 × 108	
Remarks				-		.*2: Please use the adapter plate (SZ3AP26D).		*2: Please use the adapter plate (SZ3AP26D).		*2: Please use the adapter plate (SZ3AP26D).	

Existing products : SC-N2 rated current: 40A, Motor capacity: 18.5kW, Number of aux. contacts: 4 contacts (2NO+2NC)

New products : SC38X, SC38D, SC40X

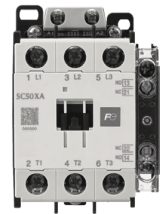
			New product		New product		New product			
Type			SC-N2		SC38X		SC38D		SC40X	
Appearance										
Compatibility			-		Dimensions : × Screw mounting dimensions : ○*3 Screw size : × Auxiliary contact configuration : × Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/ with major changes		Dimensions : × Screw mounting dimensions : ○*3 Screw size : × Auxiliary contact configuration : ×*1 Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/ with major changes		Dimensions : × Screw mounting dimensions : × Screw size : ○ Auxiliary contact configuration : × Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/ with major changes	
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V			40 / 32		38 / 38		38 / 38		40 / 40	
Conventional free air thermal current (Ith) [A]			60		50		50		80	
Main terminal screw size			M5		M4		M4		M5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)			2NO+2NC (2a2b)		1NO, 1NC (1a, 1b)		2NO, 1NO+1NC, 2NC (2a, 1a1b, 2b)		1NO+1NC (1a1b)	
Durability [Million times]	Electrical AC-3,AC-3e,220V		2		2		2		2	
	Mechanical		10		10		10		5	
Magnet Capacity	AC operating[VA] 200V 50Hz	Inrush	120		90		90		120	
		Sealed	12.7		9.0		9.0		12.7	
	DC operating[W] () indicates low consumption type	Inrush	9		4.6(2.4)		4.6(2.4)		7.5	
		Sealed	9		4.6(2.4)		4.6(2.4)		7.5	
External Dimensions W × H × D[mm]	AC operating		74 × 87 × 96		53 × 80 × 82		64 × 80 × 82		64 × 89 × 93	
	DC operating		74 × 87 × 122		53 × 80 × 108		64 × 80 × 108		64 × 89 × 125	
Remarks			-		*3: Please use the adapter plate (SZ3AP26D).		*1: If you are using 2NO+2NC (2a2b), please refer to the catalog for details. *3: Please use the adapter plate (SZ3AP26D).			

*3: Please use the adapter plate (SZ3AP26D).

*1: If you are using 2NO+2NC (2a2b), please refer to the catalog for details.
*3: Please use the adapter plate (SZ3AP26D).

Existing products : SC-N2S rated current: 50A, Motor capacity: 22kW, Number of aux. contacts: 4 contacts (2NO+2NC)

New products : SC50X

				New product	
Type		SC-N2S		SC50X	
Appearance					
Compatibility		-		Dimensions : × Screw mounting dimensions : ○*4 Screw size : × Auxiliary contact configuration : ×*1 Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V		50 / 48		50 / 50	
Conventional free air thermal current (Ith) [A]		80		80	
Main terminal screw size		M6		M5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)		2NO+2NC (2a2b)		1NO+1NC (1a1b)	
Durability [Million times]	Electrical AC-3,AC-3e,220V		2	2	
	Mechanical		5	5	
Magnet Capacity	AC operating[VA] 200V 50Hz	Inrush	180	120	
		Sealed	13.3	12.7	
	DC operating[W]	Inrush	12	7.5	
		Sealed	12	7.5	
External Dimensions W × H × D[mm]	AC operating		88×110×111	64×89×93	
	DC operating		88×110×130	64×89×125	
Remarks		-		*1: If you are using 2NO+2NC (2a2b), please refer to the catalog for details. *4: Please use the adapter plate (SZ3AP50X).	

Existing products : SC-N3 rated current: 65A, Motor capacity: 30kW, Number of aux. contacts: 4 contacts (2NO+2NC)

New products : SC65X

				New product		
Type			SC-N3		SC65X	
Appearance						
Compatibility			-		Dimensions : × Screw mounting dimensions : ○*5 Screw size : × Auxiliary contact configuration : ×*1 Performance : ○ ※○:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
IEC / JIS Rating [A] AC-3, AC-3e, 380-440V			65 / 65		65 / 65	
Conventional free air thermal current (Ith) [A]			100		80	
Main terminal screw size			M6		M5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)			2NO+2NC (2a2b)		1NO+1NC (1a1b)	
Durability [Million times]	Electrical AC-3,AC-3e,220V		2		1.3	
	Mechanical		5		5	
Magnet Capacity	AC operating[VA] 200V 50Hz	Inrush	180		120	
		Sealed	13.3		12.7	
	DC operating[W]	Inrush	12		7.5	
		Sealed	12		7.5	
External Dimensions W × H × D[mm]	AC operating		88×110×111		64×89×93	
	DC operating		88×110×130		64×89×125	
Remarks			-		*1: If you are using 2NO+2NC (2a2b), please refer to the catalog for details. *5: Please use the adapter plate (SZ3AP50X).	

Existing products : SH-4 (auxiliary relay)

New products : SCH4X

				New product	
Type		SH-4		SCH4X	
Appearance					
Conventional free air thermal current (Ith) [A]		10		10	
Minimum switching voltage		DC5V		DC5V	
Minimum switching current		3mA		3mA	
Terminal screw size		M3.5		M3.5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)	Standard		4NO, 3NO + 1NC, 2NO + 2NC (4a,3a1b,2a2b)	4NO, 3NO + 1NC, 2NO + 2NC (4a,3a1b,2a2b)	
	Low consumption		-	4NO, 3NO + 1NC, 2NO + 2NC (4a,3a1b,2a2b)	
Maximum number of auxiliary contacts (Additional auxiliary combination)	Standard coil		8(4 + 4)	8(4 + 4)	
	Low consumption		-	6(4 + 2)	
Durability [Million times]	Mechanical		10	10	
Magnet Capacity	AC operating[VA] 200V SOHz	Inrush	90	66	
		Sealed	9	7.2	
	DC operating[W] () indicates low consumption type	Inrush	7	3.9(2.4)	
		Sealed	7	3.9(2.4)	
External Dimensions W × H × D[mm]	AC operating		43 × 81 × 80	43 × 80 × 78	
	DC operating		43 × 81 × 107	43 × 80 × 96	
Remarks			-	-	

Existing products : SH-5 (auxiliary relay)

New products : SCH4X

				New product		New product			
Type				SH-5		SCH4X + SZ3A□(Front mounting)		SCH4X + SZ3AS□(Side mounting)	
Appearance									
Conventional free air thermal current (Ith) [A]				10		10		10	
Minimum switching voltage				DC5V		DC5V		DC5V	
Minimum switching current				3mA		3mA		3mA	
Terminal screw size				M3.5		M3.5		M3.5	
Number of auxiliary contacts ("1NO, 1NC" indicates 1NO or 1NC)		Standard		5NO, 4NO + 1NC, 3NO + 2NC, 2NO + 3NC, 1NO + 4NC, 5NC (5a, 4a1b, 3a2b, 2a3b, 1a4b, 5b)		8NO, 7N1 + 1NC, 6NO + 2NC, 5NO + 3NC, 4NO + 4NC, 6NO, 5NO + 1NC, 4NO + 2NC, 3NO + 3NC, 2NO + 4NC (8a, 7a1b, 6a2b, 5a3b, 4a4b, 6a, 5a1b, 4a2b, 3a3b, 2a4b)		6NO + 2NC, 5NO + 3NC, 4NO + 4NC (6a2b, 5a3b, 4a4b)*6 5NO + 1NC, 4NO + 2NC, 3NO + 3NC (5a1b, 4a2b, 3a3b, 1a5b)*7	
		Low consumption		-		6NO, 5NO + 1NC, 4NO + 2NC, 3NO + 3NC, 2NO + 4NC (6a, 5a1b, 4a2b, 3a3b, 2a4b)		5NO + 1NC, 4NO + 2NC, 3NO + 3NC (5a1b, 4a2b, 3a3b)	
Maximum number of auxiliary contacts (Additional auxiliary combination)		Standard coil		9(5 + 4)		8(4 + 4)		8(4 + 4)	
		Low consumption		-		6(4 + 2)		6(4 + 2)	
Durability [Million times]		Mechanical		10		10		10	
Magnet Capacity		AC operating[VA] 200V SOHz		Inrush	90	66	66		
				Sealed	9	7.2	7.2		
		DC operating[W] () indicates low consumption type		Inrush	7	3.9(2.4)	3.9(2.4)		
				Sealed	7	3.9(2.4)	3.9(2.4)		
External Dimensions W × H × D[mm]		AC operating		53 × 81 × 80	43 × 80 × 111	53 × 80 × 78 *6 64 × 80 × 78 *7			
		DC operating		53 × 81 × 107	43 × 80 × 129	53 × 80 × 96 *6 64 × 80 × 96 *7			
Remarks				-		Terminal numbers and terminal arrangement will be changed.		Terminal numbers and terminal arrangement will be changed. *6 In case you add one auxiliary contact unit. *7 In case you add two auxiliary contact units.	