

SC-NEXT

List of new products

ver.240930

1. Existing products : 4NC0A0 (SC-03)／New products : SC09X
2. Existing products : 4NC0F0 (SC-0)／New products : SC12X
3. Existing products : 4NC0G0 (SC-05)／New products : SC12X
4. Existing products : 4NC0Q0 (SC-4-0)／New products : SC18X
5. Existing products : 4NC0R0 (SC-4-1)／New products : SC20X
6. Existing products : 4NC0H0 (SC-5-1)／New products : SC20D
7. Existing products : 3NC0T0 (SC-N1)／New products : SC26X, SC26D, SC32X
8. Existing products : 3NC1Q0 (SC-N2)／New products : SC38X, SC38D, SC40X
9. Existing products : 3NC2F0 (SC-N2S)／New products : SC50X
10. Existing products : 3NC2H0 (SC-N3)／New products : SC65X
11. Existing products : 4SH4 (SH-4)／New products : SCH4X
12. Existing products : 4SH5 (SH-5)／New products : SCH4X

Fuji Electric FA Components & Systems Co., Ltd.

Existing products: 4NC0A0 (SC-03) FLA: 7.6A, 3-phase HP rating: 5HP, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC09X

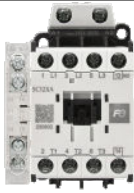
				New product	
Type		4NC0A0 (SC-03)		SC09X	
Appearance					
Compatibility		-		Dimensions : ○ Screw mounting dimensions : ◎ Screw size : ◎ Auxiliary contact configuration : ◎ Performance : ○ ※◎:Compatible ○:Almost no difference and upwardly compatible ×:No compatibility/with major changes	
UL/CSA 3-phase Ratings					
Rated capacity [HP] / Rated operational current [A] AC-3, 440-480V		5 / 7.6		5 / 7.6	
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: 4NC0F0 (SC-0) FLA: 7.6A, 3-phase HP rating: 5HP, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC12X

				New product	
Type		4NC0F0 (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	
UL/CSA 3-phase Ratings					
Rated capacity [HP] / Rated operational current [A] AC-3, 440-480V		5/ 7.6		5 / 7.6	
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: 4NC0G0 (SC-05) FLA: 7.6A, 3-phase HP rating: 5HP, Number of aux. contacts: 2 contacts (2NO or 1NO+1NC or 2NC)
 New products : SC12X

			New product		New product			
Type			4NC0G0 (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	
UL/CSA 3-phase Ratings Rated capacity [HP] / Rated operational current [A] AC-3, 440-480V			5 / 7.6		5 / 7.6		5 / 7.6	
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.	

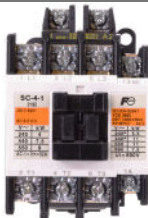
Existing products: 4NC0Q0 (SC-4-0) FLA: 11A, 3-phase HP rating: 7.5HP, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC18X

New products - SC18X				New product	
Type			4NC0Q0 (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	
UL/CSA 3-phase Ratings					
Rated capacity [HP] / Rated operational current [A] AC-3, 440-480V			7.5 / 11	7.5 / 11	
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			-	-	

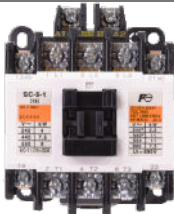
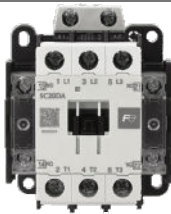
Existing products: 4NC0R0 (SC-4-1) FLA: 14A, 3-phase HP rating: 10HP, Number of aux. contacts: 1 contact (1NO or 1NC)

New products : SC20X

New products - SC20X				New product	
Type			4NC0R0 (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	
UL/CSA 3-phase Ratings					
Rated capacity [HP] / Rated operational current [A]			10 / 14	10 / 14	
AC-3, 440-480V					
Conventional free air thermal current (Ith) [A]			32	32	
Main terminal screw size			M4	M4	
Number of auxiliary contacts			1NO, 1NC	1NO, 1NC	
("1NO, 1NC" indicates 1NO or 1NC)			(1a, 1b)	(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: 4NC0H0 (SC-5-1) FLA: 14A, 3-phase HP rating: 10HP, Number of aux. contacts: 2 contacts
(2NO or 1NO+1NC or 2NC)

New products : SC20D

			New product	
Type			4NC0H0 (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
UL/CSA 3-phase Ratings				
Rated capacity [HP] / Rated operational current [A] AC-3, 440-480V			10 /14	10 / 14
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: 3NC0T0 (SC-N1) FLA: 34A, 3-phase HP rating: 25HP, Number of aux. contacts: 4 contacts (2NO+2NC)

New products : SC26X、SC26D、SC32X

				New product		New product		New product			
Type				3NC0T0 (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	
UL/CSA 3-phase Ratings Rated capacity [HP] / Rated operational current [A] AC-3, 440-480V				25 / 34		25 / 34		25 / 34		25 / 34	
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: 3NC1Q0 (SC-N2) FLA: 40A, 3-phase HP rating: 30HP, Number of aux. contacts: 4 contacts (2NO+2NC)

New products : SC38X, SC38D, SC40X

				New product	New product	New product
Type			3NC1Q0 (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
UL/CSA 3-phase Ratings Rated capacity [HP] / Rated operational current [A] AC-3, 440-480V			30 / 40	25 / 34	25 / 34	30 / 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).	

Existing products: 3NC2F0 (SC-N2S) FLA: 52A, 3-phase HP rating: 40HP, Number of aux. contacts: 4 contacts (2NO+2NC)

New products : SC50X

New products				New product		
Type			3NC2F0 (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	
UL/CSA 3-phase Ratings						
Rated capacity [HP] / Rated operational current [A] AC-3, 440-480V			40 / 52		40 / 52	
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: 3NC2H0 (SC-N3) FLA: 65A, 3-phase HP rating: 50HP, Number of aux. contacts: 4 contacts (2NO+2NC)

New products : SC65X

New products				New product		
Type			3NC2H0 (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	
UL/CSA 3-phase Ratings						
Rated capacity [HP] / Rated operational current [A] AC-3, 440-480V			50 / 65		40 / 52	
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 : 4SH4 (SH-4) auxiliary relay

New products : SCH4X

				New product	
Type			4SH4 (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 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 : 4SH5 (SH-5) auxiliary relay

New products : SCH4X

Type			SH-5	New product SCH4X + SZ3A□(Front mounting)	New product 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 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	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.