

Dear Valued customers

REP. No.A24001a
January 28, 2025
Fuji electric FA Components & Systems Co.,Ltd.
Overseas Sales Dept, Sales Div,

New Magnetic Contactor and Magnetic Starters **SC-NEXT** Notice of expansion of series lineup

We would like to express our sincere appreciation for your patronage of our products.

In October 2024, we will launch a new 40~65A of SC-NEXT series which is a new type of magnetic contactor and magnetic starter series launched from October 2023. We would like to inform you of the details as follows. We appreciate your cooperation in sharing this notice to related departments.











1. Background of launching

Recently, control panels and switchboards have come to be used in a variety of equipment and facilities, and electrical appliances such as magnetic contactors and magnetic starters are required to have even higher functionality in response to the long-standing needs such as "small" and "long life". In the area of energy conservation, efforts to reduce environmental impact, such as SDGs and carbon neutrality, have emerged as a new need. In November 2023, we launched SC-NEXT Series of new SC and NEO SC Series products, which have been leading the market since their release, after the first 35 years of model change.

SC-NEXT Series has inherited the long life and high reliability features of current products while realizing further miniaturization of the external dimensions. In addition, we have many functions that are not installed in current products, such as a structure that dramatically reduces power consumption and prevents dust from entering. In addition to expanding the capacity band from the lineup release last year, we will also expand models such as auxiliary relays and options to meet more customer applications. With SC-NEXT series, we will continue to respond to various customer demands.

2. Released products/range

In October 2024, we will launch a 40~65A contactors (AC-3, 200-240V/380-440V) (current model: SC-N2S~N3) and some optional components. Also, we plan to release the application products (mechanical latch type, case cover type, push button type, slow/fast thermal relay type, etc.) within FY2024.

Fuji Electric [NEW] SC-NEXT													Launch in Oct 24			
Type	SC09X	SC12X	SC12X (+OPTION)	SC18X	SC20X	SC20D	SC26X(D)	SC32X	SC38X	SC38D	SC40X	SC50X	SC65X			
SC-NEXT																
Auxiliary contact configuration		1NO, 1NC	1NO, 1NC	2NO+1NC, 1NO+2NC	1NO, 1NC	1NO, 1NC	2NO, 1NO1NC, 2NC	X: 1NO, 1NC D: 2NO, 1NO1NC, 2NC	1NO, 1NC	1NO, 1NC	2NO, 1NO1NC, 2NC	1NO1NC	1NO1NC	1NO1NC		
Main pole	Max.Motor capacity (AC-3, IEC)	380-440V	Rated operational power Rated operational current	4kW 9A	5.5kW 12A	5.5kW 12A	7.5kW 18A	10kW 20A	10kW 20A	11kW 26A	15kW 32A	18.5kW 38A	18.5kW 38A	18.5kW 40A	22kW 50A	30kW 65A
Fuji Electric [Existing]																
Type	SC-03	SC-0	SC-05	SC-4-0	SC-4-1	SC-5-1	SC-N1		SC-N2			SC-N2S	SC-N3			
Current SC series																
Auxiliary contact configuration		1NO, 1NC	1NO, 1NC	2NO 1NO1NC, 2NC	1NO, 1NC	1NO, 1NC	2NO 1NO1NC, 2NC	2NO2NC		2NO2NC		2NO2NC	2NO2NC			
Main pole	Max.Motor capacity (AC-3, IEC)	380-440V	Rated operational power Rated operational current	4kW 9A	5.5kW 12A	5.5kW 12A	7.5kW 16A	11kW 22A	11kW 22A	15kW 32A	18.5kW 40A	22kW 50A	30kW 65A			

3. Launch and start of orders and supply

On October, 2024, we will start receiving new orders for the models shown in the table below.

Rated current (AC200-240V)	Model	Product specifications	New product type	Current product type
40~65A	Magnetic contactor	Irreversible type	SC40X□, SC50X□, SC65X□	SC-N2S, SC-N3 ※1
		Reversible type	SC40X□R, SC50X□R, SC65X□R	SC-N2SRM, SC-N3RM ※1
		Low voltage compensation type	SC40XU, SC50XU, SC65XU	SC-N2S/U, SC-N3/U
		With high-capacity auxiliary contacts	SC40X□H, SC50X□H, SC65X□H	SC-N2SH, SC-N3H
	Magnetic starters	Irreversible type	SW40X□, SW50X□, SW65X□	SW-N2S, SW-N3 ※1
		Reversible type	SW40X□R, SW50X□R, SW65X□R	SW-N2SRM, SW-N3RM ※1
		Low voltage compensation type	SW40XU, SW50XU, SW65XU	SW-N2S/U, SW-N3/U
		With 3-element thermal relay	SW40X□3, SW50X□3, SW65X□3	SW-N2S/3H, SW-N3/3H ※1
		With 2E thermal relay	SW40X□K, SW50X□K, SW65X□K	SW-N2S/2E, SW-N3/2E ※1
	Thermal relay	Three-element product	TR65X3	TR-N3/3
		2E (with phase loss detecting function)	TR65XK	TK-N3
		Single installation type	TR65X3H, TR65XKH	TR-N3/3H, TK-N3H
	Option	Main circuit conductor kit	SZ3RW40X	SZ-RW6
		Protective cover for live parts	SZ3JC40X, SZ3JW40X	SZ-N2SJ, SZ-WN2SJ
		Three-phase parallel terminal board	SZ3SP3	SZ-SP3
11~65A Common	Option	IC For output Coil drive unit	SZ3CD1, SZ3CD2	SZ-CD1, SZ-CD3, SZ-03/CD2-24, SZ-CD4

※1:Includes DC operation (/G) products.

4. Product Features

The new features of this lineup of "SC-NEXT Series" are as follows. Refer to "SC-NEXT series model catalogue" for more information.

■ Downsizing of external dimensions

We have greatly reduced the width and depth of our products compared to the current model. SC40X・50X・65X type can be combined with an auxiliary contact unit to form a 4-pole auxiliary contact that is similar to the current product. In addition, 2-pole product that can be made slimmer is also available. This enables further downsizing and space saving of the panel, and further increases the flexibilities in panel design.

5. Obtain standard

We will acquire the same major standards in each country as the current products "New SC Series" and "NEO SC Series".

Model	Type	Applicable standard			Certification standard				EC Directive	Certification body
		JIS	IEC	EN	UL	CSA	GB	KC	CE mark	TÜV
		Japan	International	Europe	USA	Canada	China	Korea	Europe	Germany
		JIS ◎	IEC ◎	EN ◎	UL LISTED ◎	CSA ◎	CCC ◎	KC ◎	CE ◎	TÜV ◎
Magnetic contactor	SC09~SC65X	◎	◎	◎	◎	◎			◎	◎
Magnetic starter	SW09~SW65X						-	-		
Thermal relay (Thermal overload relay)	TR18X, TR38X, TR65X	◎	◎	◎	◎	◎	◎	-	◎	◎
Auxiliary relay	SCH4X									

◎: Applicable to standard products.-: Not applicable

6. Pricing structure

SC-NEXT series has many functions that are not installed in current products, such as the miniaturization and power saving described above and the standard equipment of the terminal cover. In addition, these products are designed to be SDGs and carbon neutral, such as the use of reusable materials. Taking these added values into account, we sell these products at the price of the current product + 2%.

7. Other

- Details of the product lineup and features are now available on the special site.
Special site URL (Japanese): [\(Link\)](https://www.fujielectric.co.jp/fcs/sc_next/(Link))
Special Site URL (English): [\(Link\)](https://www.fujielectric.com/fcs/sc_next/(Link))