

Dear Customers

REP. No.A23008  
 March 8, 2024  
 Fuji electric FA Components & Systems Co.,Ltd.

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

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

In November 2023, we began selling new magnetic contactors and SC-NEXT series. This time, we will launch a new capacity band for 13~35A(AC-3, 200-240V) in March 2024. We would like to inform you of the details as follows.

We appreciate your cooperation in expanding sales to our customers and contacting our distributors and related departments.


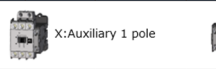

### 1. Background of launching

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". For 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

We plan to offer 11~65A lineup of motor capacity (AC-3, 200-240V). Of these, we will release a 13~35A product including new rating 32A product (current product: SC-05,SC-4-1~N2 equivalent) from March 2024. We will also begin sales of auxiliary relays and some optional units.

| Fuji Electric [NEW] SC-NEXT     |                                |          |  | Launched in Nov 2023  |          |                  |          | Launched in Mar 2024  |                 |                                    |          | To be launched FY24   |                  |        |        |        |
|---------------------------------|--------------------------------|----------|--|---|----------|------------------|----------|---|-----------------|------------------------------------|----------|---|------------------|--------|--------|--------|
| Type                            |                                |          |  | SC09X   | SC12X    | SC12X (+OPTION)  | SC18X    | SC20X   | SC20D           | SC26X(D)                           | SC32X    | SC38X   | SC38D            | SC40X  | SC50X  | SC65X  |
| <b>SC-NEXT</b>                  |                                |          |  |  |          |                  |          |  X:Auxiliary 1 pole D:Auxiliary 2 poles |                 |                                    |          |  |                  |        |        |        |
| Auxiliary contact configuration |                                |          |  | 1NO, 1NC  | 1NO, 1NC | 2NO+1NC, 1NO+2NC | 1NO, 1NC | 1NO, 1NC  | 2a, 1NO1NC, 2NC | X: 1NO, 1NC<br>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<br>Rated operational current | 4kW   | 5.5kW    | 5.5kW            | 7.5kW    | 10kW  | 10kW            | 11kW                               | 15kW     | 18.5kW  | 18.5kW           | 18.5kW | 22kW   | 30kW   |
|                                 |                                |          |  | 9A  | 12A      | 12A              | 18A      | 20A   | 20A             | 26A                                | 32A      | 38A   | 38A              | 40A    | 50A    | 65A    |

| Fuji Electric [Existing]        |                                |          |  | 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<br>Rated operational current | 4kW   | 5.5kW    | 5.5kW            | 7.5kW    | 11kW   | 11kW             | 15kW  | 18.5kW |   | 22kW   | 30kW   |
|                                 |                                |          |  | 9A  | 12A      | 12A              | 16A      | 22A  | 22A              | 32A   | 40A    |   | 50A    | 65A    |

### 3. Launch and start of orders and supply

We will start receiving new orders for the models shown in the table below after receiving this notice. The lead time is around 4 weeks after the order is received. In particular, when the product is launched, the lead time may vary depending on the model and the number of units. For more information, please contact your business partners. For details of items already released and to be released in the future, refer to the attached "List of Models to be launched".

| Rated current<br>(AC200-240V) | Model                     | Product specifications                  | New product type                            | Current product type                     |
|-------------------------------|---------------------------|---|---|--|
| 11~18A                        | Magnetic contactor        | Reversible type                         | SC09X□R, SC12X□R, SC18X□R                   | SC-03RM, SC-0RM, SC-4-0RM                |
|                               | Magnetic starter          | Reversible type                         | SW09X□R2, SW12X□R2, SW18X□R2                | SW-03RM, SW-0RM, SW-4-0RM                |
|                               | Magnetic contactor option | Main contact kit                        | SZ3RW09X                                    | SZ-RW1                                   |
| Protective cover              |                           | SZ3JC09X, SZ3JW09X                      | SZ-JC1~3, SZ-JW1~3                          |  |
| 19~35A                        | Magnetic contactor        | Non-Reversible type                     | SC20X(D), SC26X(D), SC32X, SC38X(D)         | SC-4-1, SC-5-1, SC-N1, SC-N2             |
|                               |                           | Reversible type                         | SC20X(D)□R, SC26X(D)□R, SC32X□R, SC38X(D)□R | SC-4-1RM, SC-5-1RM, SC-N1RM, SC-N2RM     |
|                               |                           | Low voltage compensation type           | SC20X(D)U, SC26X(D)U, SC32XU, SC38X(D)U     | SC-4-1/U, SC-5-1/U, SC-N1/U, SC-N2/U     |
|                               |                           | With high-capacity auxiliary contacts   | SC20X(D)□H, SC26X(D)□H, SC32X□H, SC38X(D)□H | SC-4-1H, SC-5-1H, SC-N1H, SC-N2H         |
|                               | Magnetic contactors       | Non-Reversible type                     | SW20X(D)□2, SW26X(D)□2, SW38X(D)□2          | SW-4-1, SW-5-1, SW-N1, SW-N2             |
|                               |                           | Reversible type                         | SW20X(D)□R2, SW26X(D)□R2, SW38X(D)□R2       | SW-4-1RM, SW-5-1RM, SW-N1RM, SW-N2RM     |
|                               |                           | Low voltage compensation type           | SW20X(D)U2, SW26X(D)U2, SW38X(D)U2          | SW-4-1/U, SW-5-1/U, SW-N1/U, SW-N2/U     |
|                               |                           | With 3-element thermal relay            | SW20X(D)□3, SW26X(D)□3, SW38X(D)□3          | SW-4-1/3H, SW-5-1/3H, SW-N1/3H, SW-N2/3H |
|                               | Thermal relay             | 3E product                              | TR38X3                                      | TR-N2/3                                  |
|                               |                           | 2E (with phase loss detecting function) | TR38XK                                      | TK-N2                                    |
|                               |                           | Single installation type                | TR38X3H, TR38XKH                            | TR-N2H, TR-N2/3H, TK-N2H                 |
|                               | Magnetic contactor Option | Main contact kit                        | SZ3RW20X(D), SZ3RW26X(D)                    | SZ-RW3~5                                 |
|                               |                           | Protective cover                        | SZ3JC20X(D), SZ3JW20X(D)                    | SZ-JC3~4, SZ-N1J, SZ-JW3~4, SZ-WN1J      |
|                               |                           | Three-phase parallel terminal board     | SZ3SP2                                      | SZ-SP2                                   |
|                               | 11~35A Common             | Magnetic contactor Option               | Auxiliary contact unit (head-on side-on)    | SZ3A□, SZ3A□H, ※1<br>SZ3AS1, SZ3AS1H     |
| Interlock unit                |                           |   | SZ3RM                                       | SZ-RM                                    |
| Auxiliary relay               |                           | AC operated type                        | SCH4XA                                      | SH-4, SH-5                               |
|                               |                           | DC operated type                        | SCH4XG                                      | SH-4/G, SH-5/G                           |
|                               |                           | Low voltage consumption type            | SCH4XU                                      | SH-4/U, SH-5/U                           |
|                               |                           | With high-capacity auxiliary contacts   | SCH4X□H                                     | SH-4H, SH-5H                             |

※1: □ contains any auxiliary contact configuration of 40, 31, 22, 20, 11, or 02.

※2: SC12X type (SW12X type) can also be configured as an auxiliary contact equivalent to the current SC-05(SW-05).

### 4. Product Features

The main features of SC-NEXT series are as follows and mentioned in the last release notice. Refer to the attached "SC-NEXT series model leaflet" for more information.







In addition to the features, we are further working on downsizing the external dimensions of the models released this time.

#### ■ Downsizing of external dimensions

We have greatly reduced the width and depth of our products compared to the current product. SC26 • /SC38 type has a four-pole auxiliary contact, which is the same as the current product, by combining an auxiliary contact unit. In addition, a one-pole and two-pole structure 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  | TÜV   |
|   |  | Japan               | International | Europe | USA   | Canada  | China   | Korea   | Europe  | Germany   |
|   |  | JIS                 | IEC           | EN     |  |  |  |  |  |  |
| Magnetic contactor                        | SC09~SC38X(D)  | ◎                   | ◎             | ◎      | ◎   | ◎   | ◎   | be acquired   | ◎   | ◎   |
| Magnetic Starter                          | SW09~SW26X(D),SW38X(D)   | ◎                   | ◎             | ◎      | ◎   | ◎   | -   | -   | ◎   | ◎   |
| Thermal relay<br>(Thermal overload relay) | TR18X, TR38X<br>3-element product, 2E (with phase loss detecting function) | ◎                   | ◎             | ◎      | ◎   | ◎   | ◎   | -   | ◎   | ◎   |
| Auxiliary relay                           | SCH4X  | ◎                   | ◎             | ◎      | ◎   | ◎   | ◎   | on going  | ◎   | ◎   |

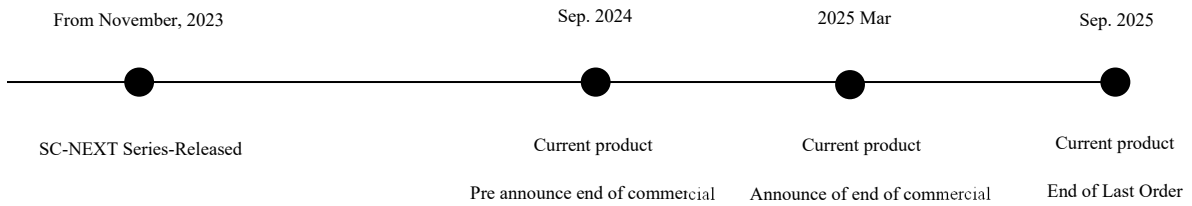
\*1 : ◎: Applicable to standard products.-: Not applicable

Note 2:KC certification and standards for marine (NK,BV,LR) are scheduled to be obtained in the future.

**6. Handling of current products**

The production is scheduled to be terminated and the last order is scheduled according to the following schedule.

For more information, please refer to REP No.D23082a "Requirements for promoting the switching of current products (new SC/NEO SC series) to new SC-NEXT".



**7. Other**

- Some models of SC-NEXT series were launched in November 2023. For more information, please refer to REP No.A23005 "Notice of Launching of New Magnetic Contactor/Magnetic Starter SC-NEXT Series".