

3. Launch and start of orders and supply

Starting with the models shown in the table below, which will be released in November 2023, we will successively begin sales in the future. Special options for the following models, which will be released in the future.

Launched in November 2023

Model	Product specifications	Target for release	Current product type	Commencement date of order reception
magnetic contactor	Non-reversible type, low voltage compensation type, with high capacity auxiliary contacts	SC09X,SC12X, SC18X,	SC-03,SC-0, SC-4-0	After received this letter
Magnetic Switch	Non-reversible type, low-voltage compensating type, with 3E thermal relay, with 2E thermal relay	SW09X,SW12 X,SW18X	SW-03,SW-0, SW-4-0	After received this letter
Thermal relay	3-element product, 2E (with phase loss detecting function), single installation type	TR18X	TR-0N, TR-5-1N	After received this letter

4. Product Features

The main features of SC-NEXT series are as follows.

1) Downsizing of external dimensions

By greatly reducing the width and depth of the product compared to the current size, the flexibility in designing control panels and switchboards can be increased.

2) Features related to energy conservation and reduction of environmental impact

The standard type reduces the power consumption of the operation coil compared to the current type and offers a new lineup of low-consumption types. In addition, consumable parts such as contacts and coils can be replaced, making it possible to use the same product for a long time and reduce the opportunity of product disposal.

3) Minimizing the risk of Dust entering

The area of the opening on the surface of the product has been drastically reduced compared to the current size, and a structure that prevents dust from entering has been realized. This reduces the risk of foreign matter entering the product and contributes to the stable operation of equipment and facilities.

4) More efficient ordering arrangements and product information acquisition

"Standard of terminal cover" and "Identification of model and product code" drastically reduce the number of models compared to the current one, thus improving the efficiency of product selection and ordering work. In addition, QR code is mounted on the front of the product, enabling easy on-the-spot acquisition of product data such as specifications and external drawings.

5. Obtain standard

We will acquire the same major standards in each country as the current products.

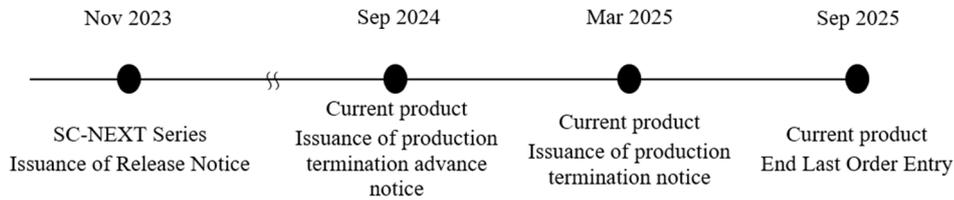
Model	Type	Applicable standard			Certification standard				EC Directive	Certification body
		JIS	IEC	EN	UL	CSA	GB	KC	CE	TÜV
		Japan	International	Europe	USA	Canada	China	Korea	Europe	Germany
		JIS	IEC	EN						
Magnetic contactor	SC09, SC12X, SC18X	◎	◎	◎	◎	◎	◎	To be acquired	◎	◎
Magnetic Switches	SW09, SW12X, SW18X	◎	◎	◎	◎	◎	-	-	◎	◎
Thermal relay (Thermal overload relay)	TR18X 3E product, 2E (with phase loss detecting function)	◎	◎	◎	◎	◎	◎	-	◎	◎

◎: Applicable to standard products -: Not applicable

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

6. About the End of commercial of Current Products

For the items with the price revision mentioned above, the reception of the last order was completed in September 2025. Currently, we plan to issue a production completion notice as follows. We would like you to cooperate in switchover to new products as soon as possible.



7. Others

- Options will be released one after another, but the following 5 options can still be used.
Three-phase parallel terminal board (SZ-SP1), coil-surge absorbing unit (SZ-Z1~Z5), abnormal detecting unit (SY-F-A□/M), Thermal relay independent installation module (TZ1H13N), thermal relay reset release (SZ-R1~R3)
- For 80A and above (AC-3, 200-240V), use the current model (SC-N4 and above) .
- Download the specifications and external drawings of the new model from the Download Site (formerly known as Fe Library).
Download Site URL: <https://felib.fujielectric.co.jp/en?region=en-jpn>

MOTOR CONTROL

Magnetic Contactors and Starters SC-NEXT



Going beyond perfection

Before, NEXT, Future.

SC-NEXT

SC-NEXT



SC-NEXT, Launched.

For over three decades, the "New SC Series" magnetic switches by Fuji Electric FA Components & Systems have been the benchmark in the manufacturing world.

Our pursuit of perfection has been the driving force behind our continued success.

With our latest product, the SC-NEXT, we are breaking boundaries and pioneering a new era of innovation. It's a testament to our commitment to surpass ourselves and provide revolutionary performance that's essential for a better future.

Going beyond perfection

Product lineup

Frame			09	12	18			
Appearance of magnetic contactors								
Type	Magnetic contactors		SC09X	SC12X	SC18X	SC20X		
	Magnetic starters		SW09X	SW12X	SW18X	SW20X		
	Thermal overload relays		TR18X			TR38X		
Auxiliary contact arrangement			1NO, 1NC	1NO, 1NC	1NO, 1NC	1NO, 1NC		
Rating (IEC 60947-4-1, JIS standard compliance)	Three-phase squirrel-cage motor capacity (AC-3, AC-3e)	200 to 240V	2.5kW 11A	3.5kW 13A	4kW 18A	5kW 20A		
		380 to 440V	4kW 9A	5.5kW 12A	7.5kW 18A	10kW 20A		
	500 to 550V	4kW 7A	5.5kW 9A	7.5kW 13A	11kW 17A			
		600 to 690V	4kW 5A	5.5kW 7A	7.5kW 9A	7.5kW 9A		
	Conventional free air thermal current (I _{th})		20A	20A	25A	32A		
	Dimensions [mm]	AC operated products		W	43	43	43	53
				H	80	80	80	80
				D	78	78	78	82
Specifications								
Magnetic contactors	AC operated types (standard types)	SC □ X(D)A	○	○	○	●		
	AC operated reversing types	SC □ X(D)AR	●	●	●	●		
	DC operated types	SC □ X(D)G	○	○	○	●		
	DC operated types (low power consumption types)	SC □ X(D)G-L	○	○	○	●		
	Types with super magnets (AC/DC dual operating types)	SC □ XS	—	—	—	—		
	Extra pick-up operating coil types	SC □ X(D)U	○	○	○	●		
	Mechanical latch types (AC/DC dual operating types)	SC □ X(D)SV	●	●	●	●		
Magnetic starters	AC operated types (standard types)	SW □ X(D)A	○	○	○	●		
	AC operated reversing types	SW □ X(D)AR	●	●	●	●		
	DC operated types	SW □ X(D)G	○	○	○	●		
	DC operated types (low power consumption types)	SW □ X(D)G-L	○	○	○	●		
	Types with super magnets (AC/DC dual operating types)	SW □ XS	—	—	—	—		
	Extra pick-up operating coil types	SW □ X(D)U	○	○	○	●		
	Types with 3-element thermal overload relays	SW □ X(D) □ 3	○	○	○	●		
Types with 2E thermal overload relays	SW □ X(D) □ K	○	○	○	●			



20	26		32	38		40	50	65	
									
SC20D	SC26X	SC26D	SC32X	SC38X	SC38D	SC40X	SC50X	SC65X	
SW20D	SW26X	SW26D	—	SW38X	SW38D	SW40X	SW50X	SW65X	
TR38X						TR65X			
2NO, 1NO1NC, 2NC	1NO, 1NC	2NO, 1NO1NC, 2NC	1NO, 1NC	1NO, 1NC	2NO, 1NO1NC, 2NC	1NO1NC	1NO1NC	1NO1NC	
5kW	5.5kW	5.5kW	7.5kW	11kW	11kW	11kW	15kW	18.5kW	
20A	26A	26A	32A	38A	38A	40A	50A	65A	
10kW	11kW	11kW	15kW	18.5kW	18.5kW	18.5kW	22kW	30kW	
20A	26A	26A	32A	38A	38A	40A	50A	65A	
11kW	11kW	11kW	15kW	15kW	15kW	18.5kW	25kW	37kW	
17A	17A	17A	24A	24A	24A	29A	38A	60A	
7.5kW	7.5kW	7.5kW	11kW	11kW	11kW	15kW	22kW	30kW	
9A	9A	9A	15A	15A	15A	19A	26A	38A	
32A	50A	50A	50A	50A	50A	80A	80A	80A	
64	53	64	53	53	64	64	64	64	
80	80	80	80	80	80	89	89	89	
82	82	82	82	82	82	93	93	93	

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○: On sale, ●: Coming soon (FY 2024), —: Not available

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→ As manufacturing processes and equipment become more advanced, the need for space-saving solutions has become increasingly imperative.

Building better control panels for a brighter future.

Designing control panels can be a daunting task, especially when it comes to adding equipment without changing the panel size. But with our innovative SC-NEXT, we have overcome this challenge by creating a solution that is up to 28% smaller depending on the model selected. Our dedication to creating space-saving and high-performance control panels has led us to develop this ground breaking technology.

The auxiliary contact configuration can be customized to fit your specific requirements.

In fact, we have discovered that about half of our magnetic starter users use only one pole. For this reason, we offer a variety of auxiliary contacts to suit customer applications. To ensure compatibility, it is of course possible to select the same number of contacts as in conventional products, but further downsizing can be achieved by reducing the number of contacts as required.

Enables PLC direct driving. Contributes to further downsizing.

SC-NEXT is the first Japanese product to enable direct driving* from a PLC up to 38 A. This eliminates the need for relays and IC coil drive units, and reduces the space required for the control panel.

*Low-power consumption types are only available for direct driving for DC products.

Contributes to downsizing by up to **28%** depending on the model selected.

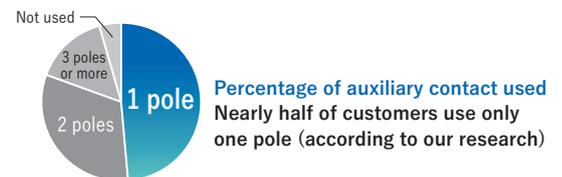


*Comparison of SC-N2 type (35 A) and SC38XA (38 A)

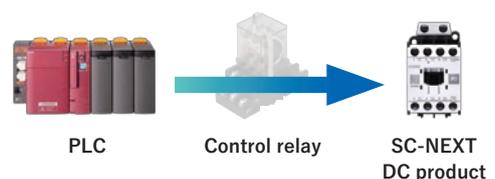
Selectable number of auxiliary contacts up to 4 poles*



*Up to 4 poles can be selected by adding separately-sold auxiliary contact blocks



Enables direct driving up to **38A**



→ Make on-site operations safer and more intelligent.

Provides a terminal cover that protects the safety of everyone who handles products.

It includes a terminal cover as standard to ensure IP20 finger protection. Increases safety during maintenance and inspection.

Comes standard with a terminal cover compatible with **IP20***



*Front direction

Get the specification you want to inspect right away.

A 2D code is attached to the surface of the product that allows users to check documentation on product specifications, outline drawings, and user manuals. If you need clarification, simply scan the 2D code to get the answers you need right away.

Product information can be checked from the **2D code** on the front of the device.





Increase your contributions to environmental initiatives.

Products that have been used are recycled.
Product development with the goal of recycling in mind.

98% of the plastic used in SC-NEXT is made from recyclable resources. This helps to make carbon neutrality a reality.

Recyclable materials make up **98%** of the product's plastic parts.



Significant energy savings are achieved.
Contributes to reducing energy consumption.

For both AC and DC-operated types, SC-NEXT dramatically lowers coil power consumption. Reducing energy consumption is made possible by the fact that the DC-operated type is up to 73% smaller than the conventional product and the AC-operated type is up to 29% smaller.

AC operated type: Power consumption



DC operated type: Power consumption

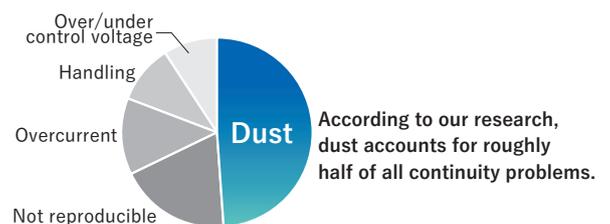
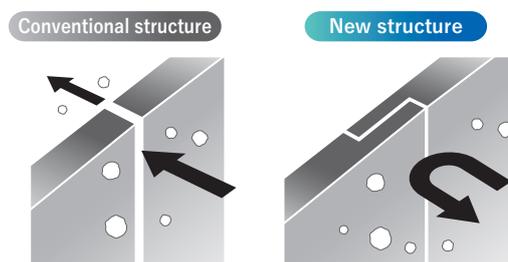


→ To extend the life of our products for customers.

It has a tight-fitting structure, which eliminates the issues associated with magnetic starters.

Dust causes approximately half of all continuity problems, but SC-NEXT reduces the area of opening by 70% when compared to conventional products, and it also uses a revised fitting method.

This structural design prevents outside dust from entering and stabilises operation.



Consumable parts can be replaced to extend the life of the product.

Consumable parts may deteriorate before the end of the product's life expectancy, depending on how they are used in the field.

The coil and contact can be replaced, avoiding the need to replace the entire product even if it is still functional. Product life is extended by replacing consumable parts.



Product overview

General terms of use

Ambient temperature ①	-10 to +55°C There must be no condensation or freezing as a result of sudden temperature changes. (The 24-hour average temperature should not exceed 35°C.)
Relative humidity	85% RH or less (no condensation)
Altitude	2000 m or less
Atmosphere	Atmospheres with little dust, smoke, corrosive gases, flammable gases, vapors, or salts.
Storage temperature	-40 to +65°C
Vibration resistance	10 to 55Hz 15m/s ²
Shock resistance	50m/s ²

① The temperature in the vicinity of the product while it is in use is referred to as the ambient temperature.

Standard compliance

Models	Type	Conforming standards			Certified standards				EC directive	Certification body
		IEC	EN	JIS	UL	CSA	GB	KC	CE mark	TÜV
		International	Europe	Japan	America	Canada	China	Korea	Europe	Germany
Magnetic contactors	SC09X, SC12X, SC18X	◎	◎	◎	◎	◎	◎	◎①	◎	◎
Magnetic starters	SW09X, SW12X, SW18X	◎	◎	◎	◎	◎	—	—	◎	◎
Thermal overload relays	TR18X3, TR18XK	◎	◎	◎	◎	◎	◎	—	◎	◎

(Note) ◎ : Compliant by standard, — : Not compliant, ① : Scheduled certification

Magnetic contactors

Ordering information (type)

Ordering information (type)

SC 09X A H - M 10
 (1) (2) (3) (4) (5) (6)

(1) Series (2) Frame size (3) Coil operation method (A: AC operated type, G: DC operated type, U: Extra pick-up operating coil type)

(4) Auxiliary contact structure specification (No: Standard twin contact, H: High capacity auxiliary contact (with single contact))

(5) Coil voltage designation code (see the code table on page 13) (6) Auxiliary contact configuration

Rating, type

Frame	Main circuit rating (IEC 60947-4-1)										Conventional free air thermal current (I _{th}) (Rated thermal current) [A]	Auxiliary contact arrangement	Coil operating method	Type ①
	Rated capacity [kW]				Rated operational current [A]									
	Three-phase squirrel-cage induction motor (AC-3, AC-3e)				Three-phase squirrel-cage induction motor (AC-3, AC-3e)				Resistive load (AC-1)					
	200 to 240V	380 to 440V	500 to 550V	600 to 690V	200 to 240V	380 to 440V	500 to 550V	600 to 690V	200 to 240V	380 to 440V				
SC09X	2.5	4	4	4	11	9	7	5	20	20	20	1a [10]	AC operated type	SC09XA □-◆10
												1b [01]		SC09XA □-◆01
												1a [10]	DC operated type	SC09XG □-◆10
												1b [01]		SC09XG □-◆01
SC12X	3.5	5.5	5.5	5.5	13	12	9	7	20	20	20	1a [10]	AC operated type	SC12XA □-◆10
												1b [01]		SC12XA □-◆01
												1a [10]	DC operated type	SC12XG □-◆10
												1b [01]		SC12XG □-◆01
SC18X	4	7.5	7.5	7.5	18	18	12	9	25	25	25	1a [10]	AC operated type	SC18XA □-◆10
												1b [01]		SC18XA □-◆01
												1a [10]	DC operated type	SC18XG □-◆10
												1b [01]		SC18XG □-◆01

① Enter H for the coil voltage designation code (see the code table on page 13) to specify a high-capacity auxiliary contact (single contact). The product type of the extra pick-up operating coil type is SC □□ XA → SC □□ XU. Please inquire separately about the performance of the coil.

Magnetic starters

Ordering information (type)

- Ordering information (type)

SW 09X A H K - M 10 T 007 A

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

(1) Series (2) Frame size (3) Coil operation method (A: AC operated type, G: DC operated type, U: Extra pick-up operating coil type)

(4) Auxiliary contact structure specification (No: Standard twin contact, H: High capacity auxiliary contact (with single contact))

(5) Number of heater elements (3: 3-element, K: 2E with open phase detection function) (6) Coil voltage designation code (see the code table on page 13)

(7) Auxiliary contact configuration (8) With or without case cover (T: Without case cover) (9) Heater element rating (10) Reset method (No: Manual reset, A: Automatic reset)

Rating, type

Frame	Main circuit rating (IEC 60947-4-1)								Thermal overload relay rating [A]				Auxiliary contact arrangement	Coil operating method	Type ①
	Rated capacity [kW]				Rated operational current [A]				Rating range [Designation code]						
	Three-phase squirrel-cage induction motor (AC-3, AC-3e)				Three-phase squirrel-cage induction motor (AC-3, AC-3e)										
	200 to 240V	380 to 440V	500 to 550V	600 to 690V	200 to 240V	380 to 440V	500 to 550V	600 to 690V							
SW09X	2.5	4	4	4	11	9	7	5	0.24-0.36 [P24]	2.2-3.4 [2P2]	1a [10]	AC operated type	SW09XA□K-◆10T●		
									0.34-0.52 [P34]	2.8-4.2 [2P8]			1b [01]	SW09XA□K-◆01T●	
									0.48-0.72 [P48]	4-6 [004]		1a [10]	DC operated type	SW09XG□K-◆10T●	
									0.64-0.96 [P64]	5-7.5 [005]				1b [01]	SW09XG□K-◆01T●
SW12X	3.5	5.5	5.5	5.5	13	12	9	7	0.95-1.45 [P95]	7-10.5 [007]	1a [10]	AC operated type	SW12XA□K-◆10T●		
									1.4-2.1 [1P4]	9-13 [009]			1b [01]	SW12XA□K-◆01T●	
									1.7-2.6 [1P7]	13-16.5 [013]	15-18 [015]	1a [10]	DC operated type	SW12XG□K-◆10T●	
														1b [01]	SW12XG□K-◆01T●
SW18X	4	7.5	7.5	7.5	18	18	13	9			1a [10]	AC operated type	SW18XA□K-◆10T●		
													1b [01]	SW18XA□K-◆01T●	
											1a [10]	DC operated type	SW18XG□K-◆10T●		
													1b [01]	SW18XG□K-◆01T●	

① To designate a high-capacity auxiliary contact (single contact), specify H for □.

◆ corresponds to the coil voltage designation code (see the code table on page 13).

● corresponds to the heater element designation code. Specify A at the end of the automatic reset type.

② SW09X is not available for production.

③ SW09X and SW12X are not available for production.

Note: The type in the table above are for 2E heat element (K).

Remarks

• Optional products such as auxiliary contact units will be released in the future.

* Current products are used for coil-surge suppression units, fault detector units, separate mounting unit for thermal overload relays, and thermal reset release.

Product overview

Thermal overload relays

Ordering information (type)

Ordering information (type)

TR 18X K H - 007 A
 (1) (2) (3) (4) (5) (6)

(1) Series (2) Frame size (3) Number of heater elements (3: 3-element, K: 2E (with open phase detection function))
 (4) No: For magnetic starters, H: For separate mounting (5) Heater element rating (6) Reset method (No: Manual reset, A: Automatic reset)

Rating, type

Frame	Number of heater elements	Mounting classification	Type ①	Heater element code
TR18X	3-element	For magnetic starters	TR18X3-□	0.1 to 15A
		For separate mounting	TR18X3H-□	
	2E (with open phase detection function)	For magnetic starters	TR18XK-□	
		For separate mounting	TR18XKH-□	

① □ corresponds to the heater element designation code. Specify A at the end of the automatic reset type.

* Separate mounting units use the current product (type: TZ1H13N) (can be purchased separately).

Heater element rating

Rating range [A]	Code	Designation code
0.1 to 0.15	0.1A	P10
0.13 to 0.2	0.13A	P13
0.18 to 0.27	0.18A	P18
0.24 to 0.36	0.24A	P24
0.34 to 0.52	0.34A	P34
0.48 to 0.72	0.48A	P48
0.64 to 0.96	0.64A	P64
0.8 to 1.2	0.8A	P80

Rating range [A]	Code	Designation code
0.95 to 1.45	0.95A	P95
1.4 to 2.1	1.4A	1P4
1.7 to 2.6	1.7A	1P7
2.2 to 3.4	2.2A	2P2
2.8 to 4.2	2.8A	2P8
4 to 6	4A	004
5 to 7.5	5A	005
6 to 9	6A	006

Rating range [A]	Code	Designation code
7 to 10.5	7A	007
9 to 13	9A	009
13 to 16.5	13A	013
15 to 18	15A	015

Control coil voltage designation code

● AC operated type

Coil voltage code	Designation code	Coil voltage and frequency
24V AC	E	24V 50Hz / 24 to 26V 60Hz
48V AC	F	48V 50Hz / 48 to 52V 60Hz
100V AC	1	100V 50Hz / 100 to 110V 60Hz
110V AC	H	100 to 110V 50Hz / 110 to 120V 60Hz
120V AC	K	110 to 120V 50Hz / 120 to 130V 60Hz
200V AC	2	200V 50Hz / 200 to 220V 60Hz
220V AC	M	200 to 220V 50Hz / 220 to 240V 60Hz
240V AC	P	220 to 240V 50Hz / 240 to 260V 60Hz
380V AC	S	346 to 380V 50Hz / 380 to 420V 60Hz
400V AC	4	380 to 400V 50Hz / 400 to 440V 60Hz
440V AC	T	415-440V 50Hz / 440-480V 60Hz

● DC operated type

Coil voltage code	Designation code	Coil voltage
12V DC	B	12V DC
24V DC	E	24V DC
48V DC	F	48V DC
60V DC	G	60V DC
100V DC	1	100V DC
110V DC	H	110V DC
120V DC	K	120V DC
200V DC	2	200V DC
210V DC	Y	210V DC
220V DC	M	220V DC
24V DC	L	24V DC (low consumption)

Operating characteristics

● AC operated type

Type	Power consumption [VA]				Watt loss [W]		Closing voltage [V]		Drop-out voltage [V]		Operating time [ms]	
	Inrush		Sealed		200V 50Hz	220V 60Hz	50Hz	60Hz	50Hz	60Hz	Coil ON → Main contact ON	Coil OFF → Main contact OFF
	200V 50Hz	220V 60Hz	200V 50Hz	220V 60Hz								
SC09XA	66	70	7.2	7.2	2.2	2.3	116 to 130	136 to 146	56 to 84	64 to 92	8 to 14	4 to 15
SC12XA	66	70	7.2	7.2	2.2	2.3	116 to 130	136 to 146	56 to 84	64 to 92	8 to 14	4 to 15
SC18XA	66	70	7.2	7.2	2.2	2.3	116 to 130	136 to 146	56 to 84	64 to 92	8 to 14	4 to 15

(Note 1) Coil rating: Characteristic of 200 V 50 Hz/200-220 V 60 Hz.

(Note 2) The coil (magnet) power consumption is equivalent even when the coil rated voltage is not rated 200 V AC.

(Note 3) Operating time indicates the case of 200 V AC 50 Hz. Operating time is a reference value and is not guaranteed.

(Note 4) The making voltage and drop-out voltage of the 100 V (100 V AC 50 Hz/100-110 V 60 Hz) coil are about half of those shown above.

(Note 5) The values in the above table show an example in the 20°C cold state.

● DC operated types (Standard)

Type	Power consumption [W]		Time constant [ms]	Closing voltage [V]	Drop-out voltage [V]	Operating time [ms]	
	Inrush	Sealed	Sealed			Coil ON → Main contact ON	Coil OFF → Main contact OFF
	24V	24V					
SC09XG	3.9	3.9	30	13 to 15	4 to 5	49 to 54	11 to 13
SC12XG	3.9	3.9	30	13 to 15	4 to 5	49 to 54	11 to 13
SC18XG	3.9	3.9	30	13 to 15	4 to 5	49 to 54	11 to 13

● DC operated type (low consumption)

Type	Power consumption [W]		Time constant [ms]	Closing voltage [V]	Drop-out voltage [V]	Operating time [ms]	
	Inrush	Sealed	Sealed			Coil ON → Main contact ON	Coil OFF → Main contact OFF
	24V	24V					
SC09XG	2.4	2.4	40	14 to 16	4 to 5	64 to 73	11 to 12
SC12XG	2.4	2.4	40	14 to 16	4 to 5	64 to 73	11 to 12
SC18XG	2.4	2.4	40	14 to 16	4 to 5	64 to 73	11 to 12

(Note 1) Coil rating: Characteristic of 24 V DC.

(Note 2) The coil (magnet) power consumption is equivalent even when the coil rated voltage is not a rated 24 V DC. * The low-consumption type is only for 24 V.

(Note 3) Operating time is a reference value and is not guaranteed.

(Note 4) The values in the above table show an example in the 20°C cold state.

Product overview

Options (Applying existing options)

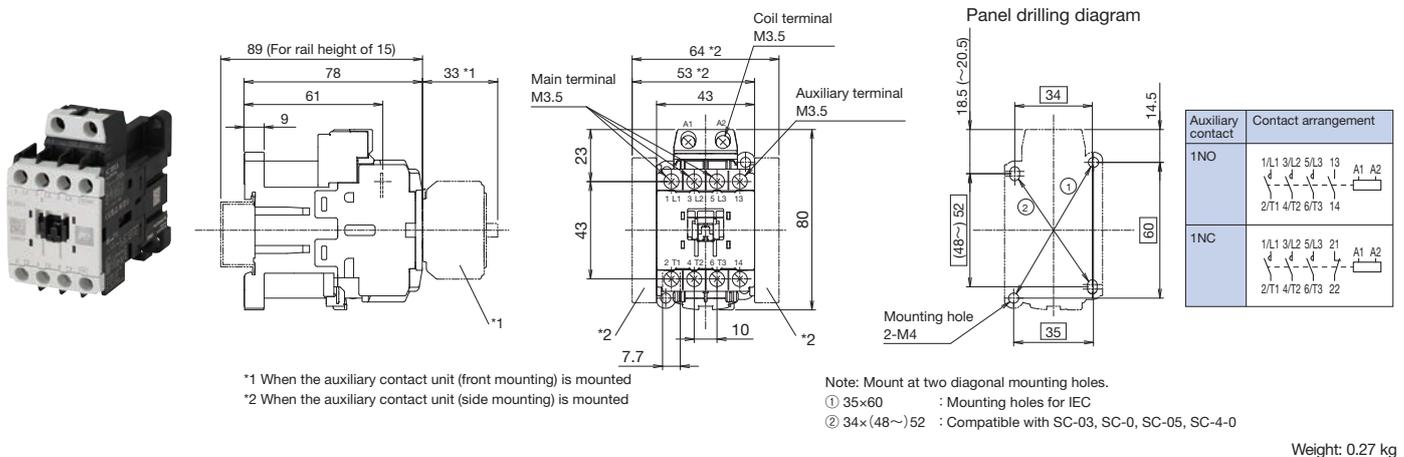
The following products will continue to be used in new products.

Product name	Specifications	Rating	Applicable models ①	Type	Product code
Coil-surge suppression unit	Varistor (voltage of 100 V)	24-48V AC/DC	SC09XA to SC18XA, SC09XG to SC18XG	SZ-Z1	SZ1Z1
	Varistor (voltage of 470 V)	100-250V AC/DC		SZ-Z2	SZ1Z2
	Varistor (voltage of 910 V)	380-440V AC * For AC only	SC09XA to SC18XA	SZ-Z3	SZ1Z3
	CR (0.22μF, 22Ω)	24-48V AC/DC	SC09XA to SC18XA, SC09XG to SC18XG	SZ-Z4	SZ1Z4
	CR (0.1μF, 22Ω)	100-250V AC/DC		SZ-Z5	SZ1Z5
Three-phase parallel terminal plate	—	—	SC09X to SC18X	SZ-SP1	SZ1SP1
Fault detector unit	Rated operating voltage: 100-120 V AC, Output contact: SPDT	—	SC09X to SC18X	SY-F-A3/M	SY2F0-A3M
	Rated operating voltage: 200-240 V AC, Output contact: SPDT	—		SY-F-A4/M	SY2F0-A4M
Separate mounting unit for thermal overload relay	—	—	TR18X	TZ1H13N	TZ1H13N
Thermal overload relay reset release	L=300mm	—	TR18X	SZ-R1	TZ1R1
	L=500mm	—		SZ-R2	TZ1R2
	L=700mm	—		SZ-R3	TZ1R3

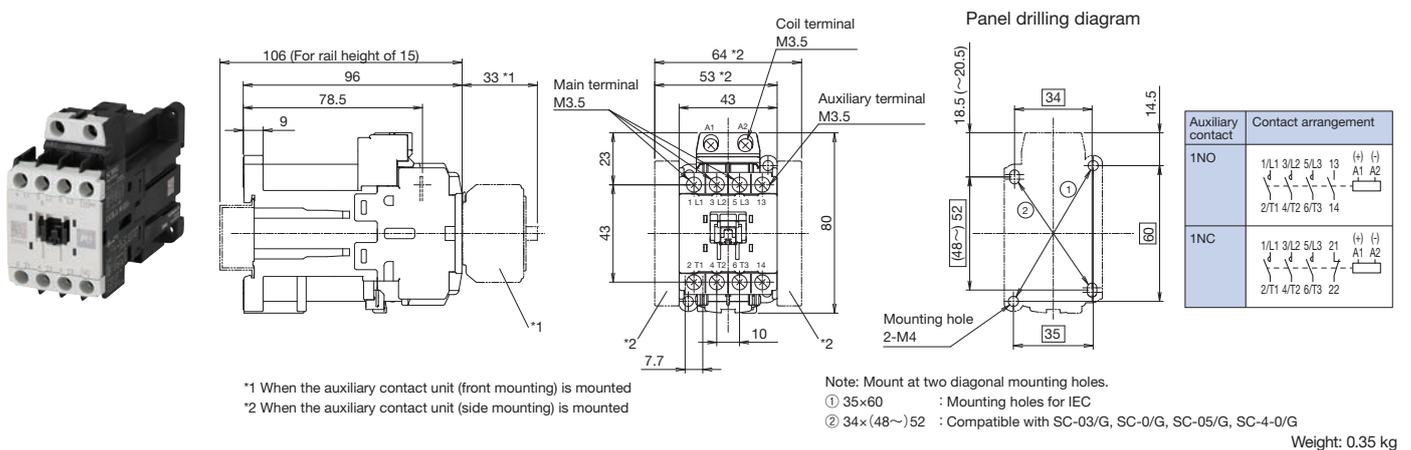
① Applicable models for this product release are shown below.

Outline and wiring diagram

AC operated type magnetic contactor SC09XA to SC18XA types

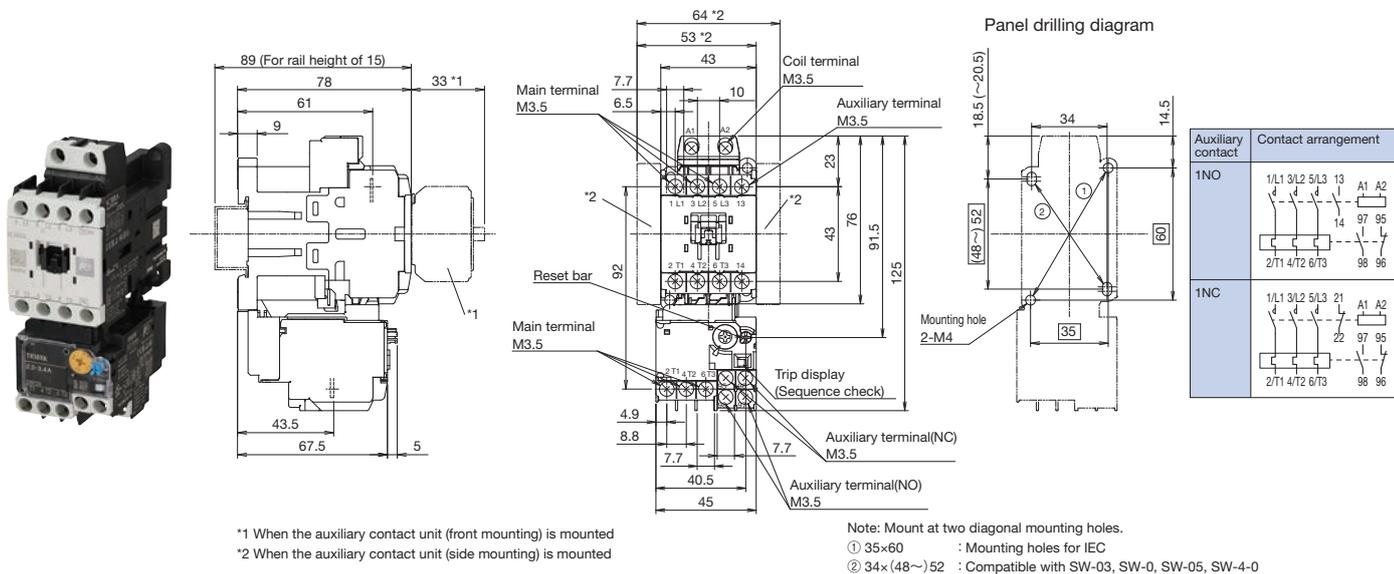


DC operated type magnetic contactor SC09XG to SC18XG types



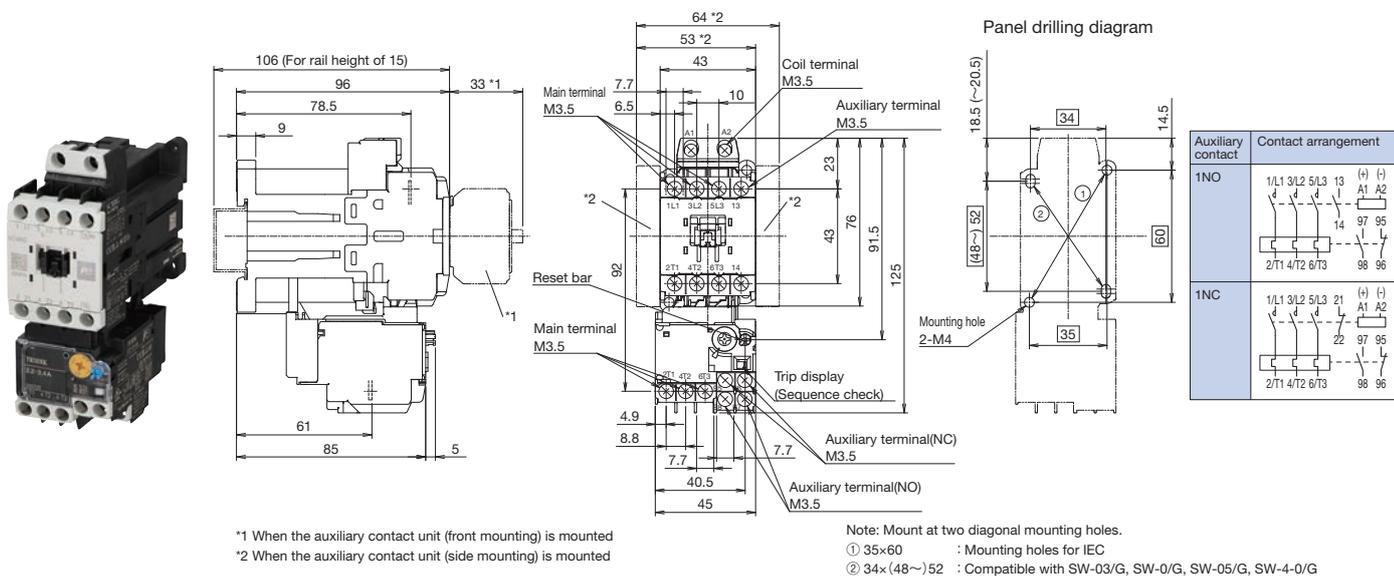
Outline and wiring diagram

AC operated type magnetic starter SW09XA to SW18XA types



Weight: 0.37 kg

DC operated type magnetic starter SW09XG to SW18XG types

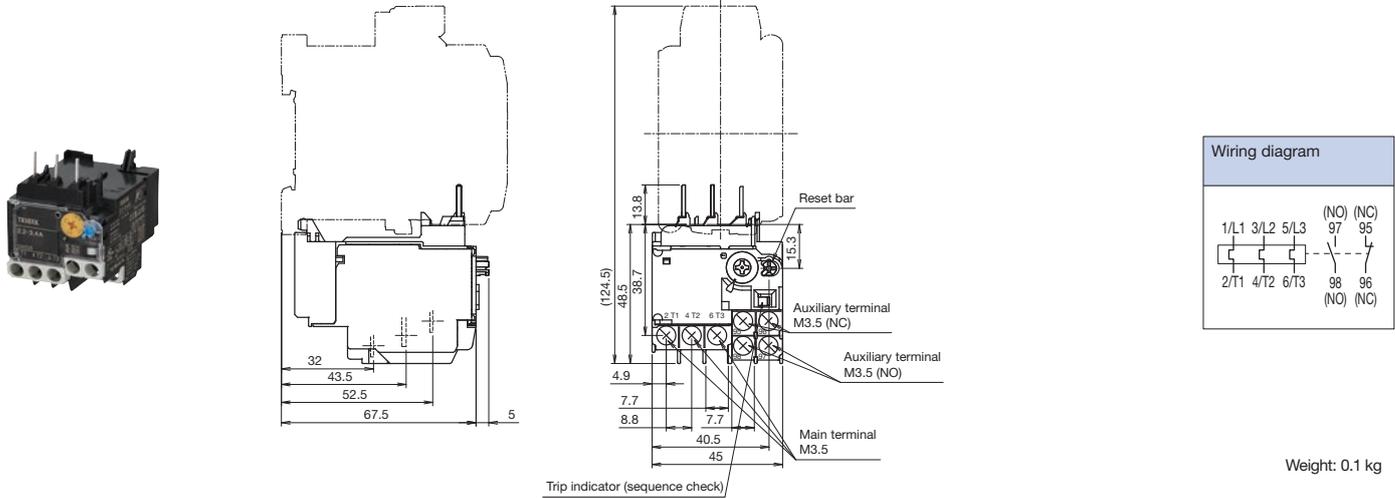


Weight: 0.45 kg

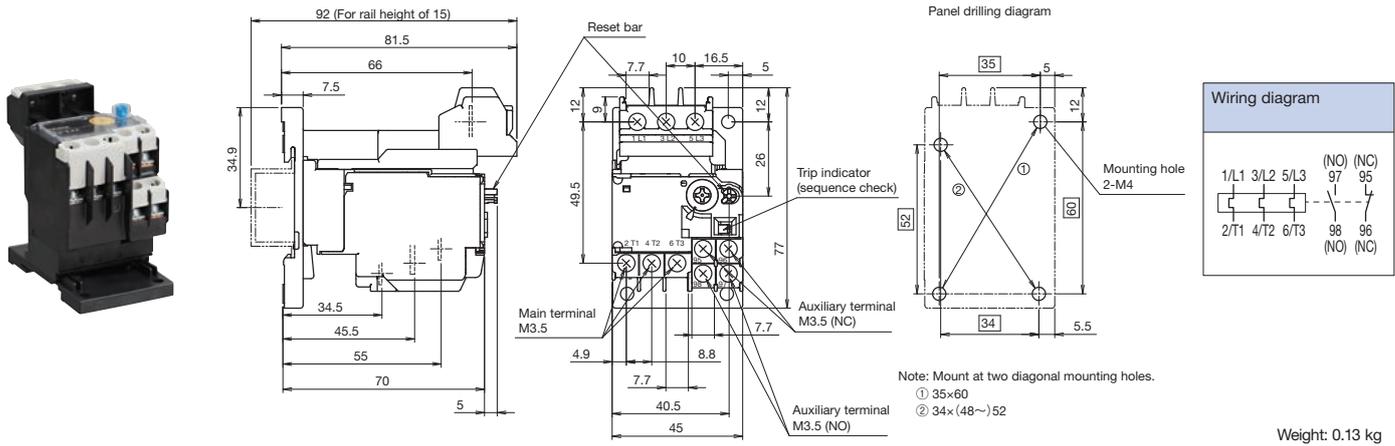
Product overview

Outline and wiring diagram

Thermal overload relay TR18X type



Thermal overload relay for separate mounting TR18XH type



⚠ Safety Considerations

- Maintain the operating environment specified in the operating instructions and manual. High temperatures, high humidity, condensation, dust, corrosive gases, oil, organic solvents, excessive vibration or shock may result in electric shock, fire, erratic operation, or failure.
- To ensure safe operation, read the instruction manual or user manual that came with the product carefully before using it, or consult the Fuji sales representative from whom you purchased the product.
- The products described in this catalogue were not designed or manufactured for use in a system or piece of equipment that has an impact on human bodies or lives.
- Customers who want to use the products introduced in this catalogue for special systems or devices such as atomic-energy control, aerospace use, medical use, passenger vehicle, and traffic control should contact Fuji Electric FA.
- Customers are urged to take precautions when applying the products described in this catalogue to systems or facilities that could endanger human lives or cause significant property damage if the products fail.
- For safe operation, wiring should be conducted only by qualified engineers who have sufficient technical knowledge about electrical work or wiring.
- Follow the regulations of industrial wastes when the product is to be discarded.
- For further questions, please contact your Fuji sales representative or Fuji Electric FA.

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