

## Easy modular system

### Side mounting

Auxiliary contact block  
Single pole (1NO + 1NC)

### Mechanical interlock unit

The mechanical interlock unit is used to interlock two contactors for reversing. One size fits all contactors.

### Main circuit surge suppression unit

This unit prevents miss-operation of electronic controllers due to motor surge voltages.

Coil drive unit



Coil surge suppression unit



### Top mounting

#### Coil drive unit

This unit controls ON-OFF operation for magnetic contactors with output from electronic equipment.

#### Coil surge suppression unit

This unit absorbs coil surge voltage due to contactor ON-OFF operations.

Main circuit surge suppression unit



Auxiliary contact block



Mechanical interlock unit



Auxiliary contact block



Operation counter



Main circuit surge suppression unit



Terminal cover



Auxiliary contact block



### Front mounting

#### Auxiliary contact block

2-pole or 4-pole

#### Operation counter

This counter indicates the number of contactor ON-OFF operations to ensure easy maintenance and inspection.

#### Main circuit surge suppression unit

Dial cover



Trip indicator



Reset release button



### Further information

See page 01/69

# Magnetic Contactors and Starters

## SC and SW series

### Design features

## SC-N1 to N16

### Description

FUJI SC series (SC-N6 to N16) contactors have been developed and manufactured using FUJI's most advanced electronic technologies. They employ an electronically-controlled SUPER MAGNET which is provided with a built-in IC, thus enhancing their performance and reliability. The SUPER MAGNET is based on an "AC-input, DC-operated concept", thus allowing the coil to be energized by both AC and DC input. Moreover, once closed, sealed current is controlled by switching circuit. This permits a great reduction in power consumption – a cost-effective feature.

The SC-N1 to SC-N5A do not have the SUPER MAGNET. These contactors feature compact size, arc extinguishing mechanisms with a high breaking efficiency, low power consumption, easy operation, and ratings up to 660 volts.



### Features of the SUPER MAGNET

- Operates on both AC and DC power supply
- Has a wide operational voltage range
- No tendency to "chatter"
- Eliminates contact welding or coil burning
- Reduces power consumption

In addition the FUJI SC-N series contactors employ bifurcated auxiliary contacts which improve contact performance and permit them to be used in conjunction with programmable logic controllers.

FUJI SC-N series contactors are the most suitable for new FA age applications which require the most advanced electronic technologies and maximum dependability.

The FUJI SC series conforms to and has been approved by various international standards.

Specifications				Contactors		Starters(open)	
				Non-reversing	reversing	Non-reversing	reversing
No.of thermal overload relay heater elements				-	-	3	3
Type			SC-□	SC-□RM	SW-□/3H	SW-□RM/3H	
Conformed	New JIS	Japan	●	●	●	●	
	IEC	International	●	●	●	●	
	BS	UK	●	●	●	●	
	EN	Europe	●	●	●	●	
Approved	UL	USA	●	●	●	●	
	CSA	Canada	●	●	●	●	
	CCC	China	● *	● *	-	-	
EC Directives	CE Marking	Europe	●	●	●	●	
Inspection Institute	TÜV	Germany	●	●	●	●	

#### Notes

● : Conforming to Standard

UL/CSA : A new certification mark that indicates compliance with both Canadian and U.S.requirements.

□ : Frame size N1 to N14 and N16(Contactor only)

\* : When ordering the ccc standard type, add(ccc)suffix to the type number.