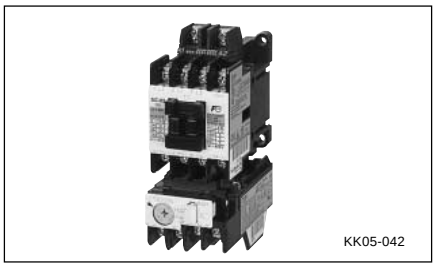
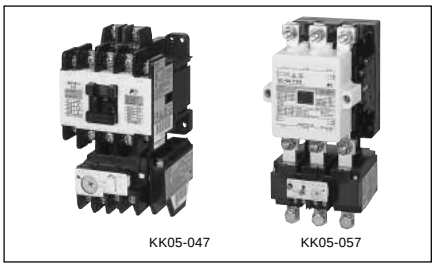


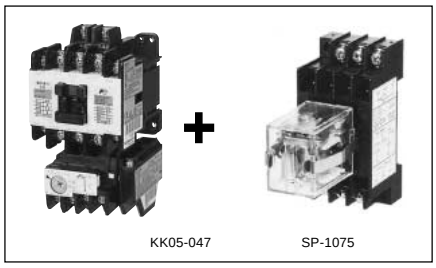
Starters with quick-operating overload relay

With the attached quick operating type O/L relay, this is suitable for protecting submersible pumps or compressor motors with a small heat capacity.
See page 01/55.



Starters with phase-loss protective device

The attached 2E thermal O/L relay protects against motor overload and as well as phase-loss.
See page 01/56.



Starters with phase-loss and phase-sequence protective device

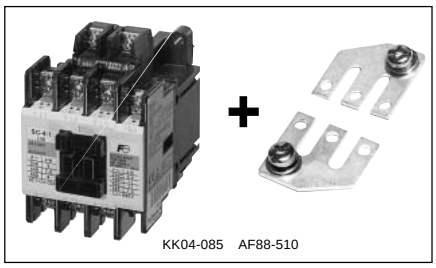
By combining 2E thermal O/L relay and phase-sequence relay, motor overload, phase-loss and phase-sequence protection is obtained.
See page 01/58.

Starters with on-off and RESET pushbuttons

Pushbuttons for close and open are built in the enclosure. Suitable for simple operations.
See page 01/60.

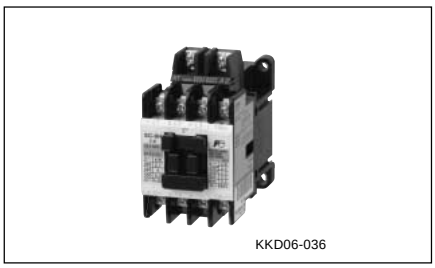
Dush-tight/light-corrosion resistant type starters

The enclosure is dust-tight and corrosion-proof, and so is suitable for locations with dusty or corrosive atmospheres.
See page 01/62.



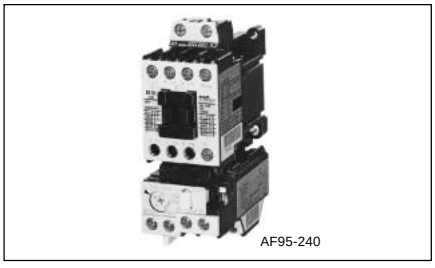
Contactors for single-phase resistance load

This is a standard type magnetic contactor with a 3-phase parallel plate terminal. This is most suitable for on-off operation of electric heaters, water heaters and electric lights.
See page 01/63.



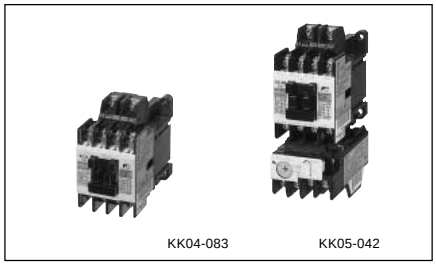
With single-button auxiliary contacts

An auxiliary contact of a standard contactor is bifurcated. All SC-03H to SC-N12H contactor, however, feature single-button auxiliary contacts with a higher current rating than the contacts used by the standard contactor.
See page 01/64.



With quick connection terminals

No removing terminal screw is required. When contactor and starters with the quick connection terminals are shipped, these screws are inserted in the terminals section but make no contact. It reduces the number of wiring steps. Terminals with finger protection enable a high level of safety.
See page 01/65.



UL, CSA, TÜV and CCC approved motor starters and contactors

Many models of SC series conform to UL, CSA, TÜV and CCC requirements.
See page 01/120.

■ Types and ratings/Non-reversing, Open

Frame size		03	0	05	4-0	Further information
Max. motor capacity (kW) AC-3, IEC 60947-4-1	200–240V	2.5	3.5	3.5	4.5	
	380–440V	4	5.5	5.5	7.5	
	500–550V	4	5.5	5.5	7.5	
	600–660V	4	5.5	5.5	7.5	
Operational current (A)	200–240V	11	13	13	18	
	380–440V	9	12	12	16	
	500–550V	7	9	9	13	
	600–660V	5	7	7	9	
Operational current (A)	AC-1	20	20	20	25	
Conventional free air thermal current (A)		20	20	20	25	
Auxiliary contact arrangement		1NO 1NC	1NO 1NC	1NO+1NC 2NO, 2NC	1NO 1NC	
Standard	Contactor	SC-03	SC-0	SC-05	SC-4-0	*Page 01/25*
	Starter	SW-03/3H	SW-0/3H	SW-05/3H	SW-4-0/3H	
DC operated	Contactor	SC-03/G	SC-0/G	SC-05/G	SC-4-0/G	*Page 01/41*
	Starter	SW-03/G3H	SW-0/G3H	SW-05/G3H	SW-4-0/G3H	
OFF-delay release *1	Contactor	SC-03/G+SZ-DE□	SC-0/G+SZ-DE□	SC-05/G+SZ-DE□	SC-4-0/G+SZ-DE□	*Page 01/46*
	Starter	SW-03/G3H+SZ-DE□	SW-0/G3H+SZ-DE□	SW-05/G3H+SZ-DE□	SW-4-0/G3H+SZ-DE□	
With extra pick-up operating coil	Contactor	SC-03/U	SC-0/U	SC-05/U	SC-4-0/U	*Page 01/47*
	Starter	SW-03/U3H	SW-0/U3H	SW-05/U3H	SW-4-0/U3H	
Mechanical latch AC operated	Contactor	SC-03/V	SC-0/V	SC-05/V	SC-4-0/V	*Page 01/48*
	Starter	–	–	–	–	
Mechanical latch DC operated	Contactor	SC-03/VG	SC-0/VG	SC-05/VG	SC-4-0/VG	*Page 01/46*
	Starter	–	–	–	–	
Heavy starting duty	Contactor	–	–	–	–	*Page 01/53*
	Starter	SW-03/3L	SW-0/3L	SW-05/3L	SW-4-0/3L	
With quick operating overload relay	Contactor	–	–	–	–	*Page 01/55*
	Starter	SW-03/3Q	SW-0/3Q	SW-05/3Q	SW-4-0/3Q	
With phase-loss protective device	Contactor	–	–	–	–	*Page 01/56*
	Starter	SW-03/2E	SW-0/2E	SW-05/2E	SW-4-0/2E	
With phase-loss and phase sequence protective device *2	Contactor	–	–	–	–	*Page 01/58*
	Starter	SW-03/2E+QE-□0N	SW-0/2E+QE-□0N	SW-05/2E+QE-□0N	SW-4-0/2E+QE-□0N	
For single-phase resistance load	Contactor	SC-03+SZ-SP1	SC-0+SZ-SP1	SC-05+SZ-SP1	SC-4-0+SZ-SP2	*Page 01/63*
	Starter	–	–	–	–	
With quick counection terminals	Contactor	SC-03Y	SC-0Y	SC-05Y	–	Page 01/65
	starter	SW-03Y	SW-0Y	SW-05Y	–	
Thermal overload relay On-contactor mounting						*Page 01/88*
Standard		TR-0N/3	TR-0N/3	TR-0N/3	TR-5-1N/3	
Long time operation		TR-0NL/3	TR-0NL/3	TR-0NL/3	TR-5-1NL/3	
Quick operation		TR-0NQ	TR-0NQ	TR-0NQ	TR-5-1NQ	
Phase-loss protection		TK-0N	TK-0N	TK-0N	TK-5-1N	

Note: *1 Replace the □ mark in the type number by the operating voltage code.
100V AC: 100, 110V AC: 110, 200V AC: 200, 220V AC: 220
*2 Replace the □ mark in the type number by the operating voltage code.
200-220V AC: 2, 380-415V AC: 4