

"ORANGE LINE" AC Contactors, AC Operated



■ NON-REVERSING CONTACTORS UL File No. E42419, E44592 cUL listed

1 Phase HP Rating (Full load ampere)		3 Phase HP Ratings (Full load ampere)				Rated thermal current for non inductive / resistive load	Qty. of Auxiliary Contacts	Part Number	Fuji Type	Frame Size
100-120V	220-240V	200-208V	220-240V	440-480V	550-600V					
1/3 (7.2)	1 (8)	2 (7.8)	2 (6.8)	5 (7.6)	5 (6.1)	11	1	4NC0A0#@@%	SC-03	0A
1/3 (7.2)	1 (8)	3 (11)	3 (9.6)	5 (7.6)	5 (6.1)	13	1	4NC0F0#@@%	SC-0	0F
1/3 (7.2)	1 (8)	3 (11)	3 (9.6)	5 (7.6)	5 (6.1)	13	2	4NC0G0#@@%	SC-05	0G
1 (16)	2 (12)	5 (17.5)	5 (15.2)	7 1/2 (11)	7 1/2 (9)	20	1	4NC0Q0#@@%	SC-4-0	0Q
1 (16)	2 (12)	5 (17.5)	5 (15.2)	10 (14)	10 (11)	20	1	4NC0R0#@@%	SC-4-1	0R
1 (16)	2 (12)	5 (17.5)	5 (15.2)	10 (14)	10 (11)	20	2	4NC0H0#@@%	SC-5-1	0H

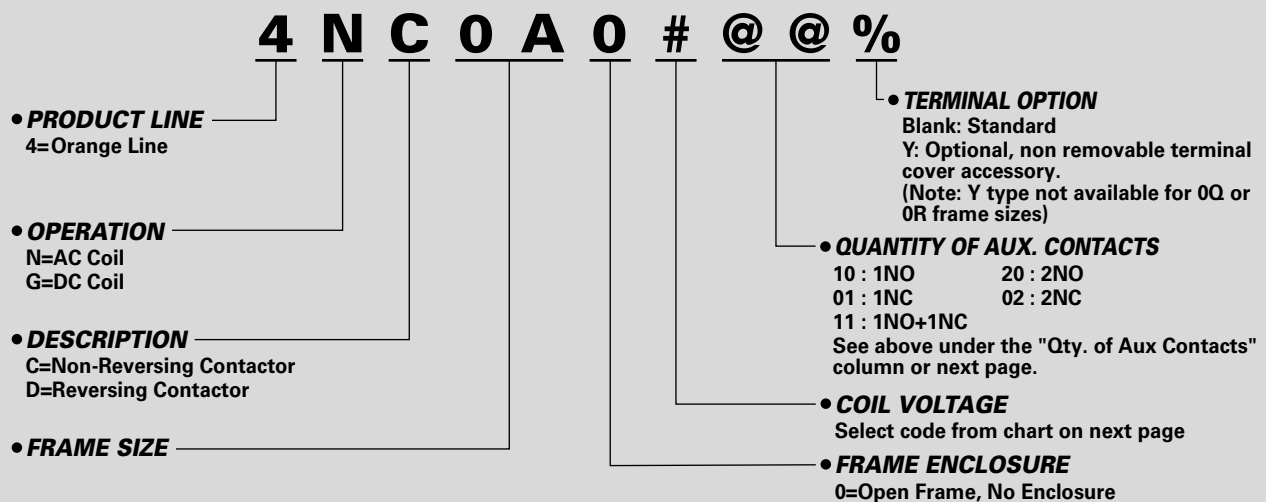
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1/3 (7.2)	1 (8)	2 (7.8)	2 (6.8)	5 (7.6)	5 (6.1)	11	1	4ND0A0#@@%	SC-03RM	0A
1/3 (7.2)	1 (8)	3 (11)	3 (9.6)	5 (7.6)	5 (6.1)	13	1	4ND0F0#@@%	SC-0RM	0F
1/3 (7.2)	1 (8)	3 (11)	3 (9.6)	5 (7.6)	5 (6.1)	13	2	4ND0G0#@@%	SC-05RM	0G
1 (16)	2 (12)	5 (17.5)	5 (15.2)	7 1/2 (11)	7 1/2 (9)	20	1	4ND0Q0#@@%	SC-4-0RM	0Q
1 (16)	2 (12)	5 (17.5)	5 (15.2)	10 (14)	10 (11)	20	1	4ND0R0#@@%	SC-4-1RM	0R
1 (16)	2 (12)	5 (17.5)	5 (15.2)	10 (14)	10 (11)	20	2	4ND0H0#@@%	SC-5-1RM	0H

Note: The list above indicates the No. of auxiliary contacts provided per contactor.

If larger contactors are required, please turn to page 21.

EXPLANATION OF PART NUMBER SYSTEM



"ORANGE LINE" AC Contactors, AC Operated

AVAILABLE COILS

Code Letter	AC Coil 60Hz	AC Coil 50Hz
E	24-26V	24V
F	48-52V	48V
A	100-110V	100V
1	110-120V	100-110V
G	120-130V	110-120V
B	200-220V	200V
2	220-240V	200-220V
C	400-440V	380-400V
4	440-480V	415-440V
5	550-600V	500-550V

If DC operation is required,
please turn to page 7-8.

COIL CHARACTERISTICS

Frame Size	Power Consumption (VA)		Pick-up Voltage (V)	Drop-out Voltage (V)	OperatingTime (ms)	
					Coil ON	Coil OFF
	Inrush Sealed				↓	↓
					Contact ON	Contact OFF
0A	95	9	58-68	40-55	9-20	5-16
0F	95	9	58-68	40-55	9-20	5-16
0G	95	9	58-68	40-55	9-20	5-16
0Q	95	9	65-73	44-60	9-20	5-16
0R	95	9	65-73	44-60	9-20	5-16
0H	95	9	65-73	44-60	9-20	5-16

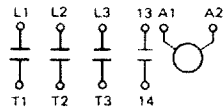
This data is based on 110-120VAC, 50/60Hz coil, tested at 120VAC, 60Hz.
For additional coil data, please see page 49.

WIRING DIAGRAMS / AUXILIARY CONTACT INFORMATION

NON-REVERSING CONTACTORS

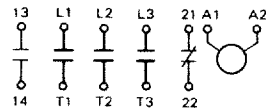
(4NC0A0, 0F0, 0Q0 and 0R0)

1NO* (Standard)*

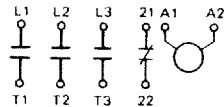


(4NC0G0 and 4NC0H0)

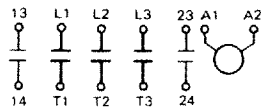
1NO+1NC (Standard)**



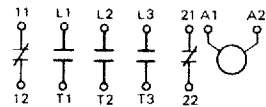
1NC* (Option)



2NO** (Option)

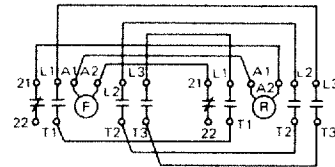


2NC** (Option)

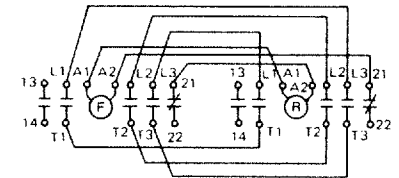


REVERSING CONTACTORS

(4ND0A0, 0F0, 0Q0, 0R0) ***



(4ND0G0 and 4ND0H0) ***



AUXILIARY CONTACT RATINGS

Operating	Contact rating Code Designation	Continuous Ampere Rating	Current-Make/Break (A)			
			110 to 120V	220 to 240V	440 to 480V	550 to 600V
AC	A600	10	60/6	30/3	15/1.5	12/1.2
DC	Q300	10	120V	240V		
			0.55/0.55	0.27/0.27		

* The 0A, 0F, 0Q & 0R frames offer 1 Aux. contact, NO standard. However, NC is available as an option.

** The 0G & 0H frames offer 2 Aux. contacts, 1NO + 1NC standard. However, 2NO or 2NC is available as an option.

*** Reversing contactors are NOT pre-wired with an electrical interlock unless requested when ordered.
Reversing contactors without at least 1NC Aux. contact can not be electrically interlocked.

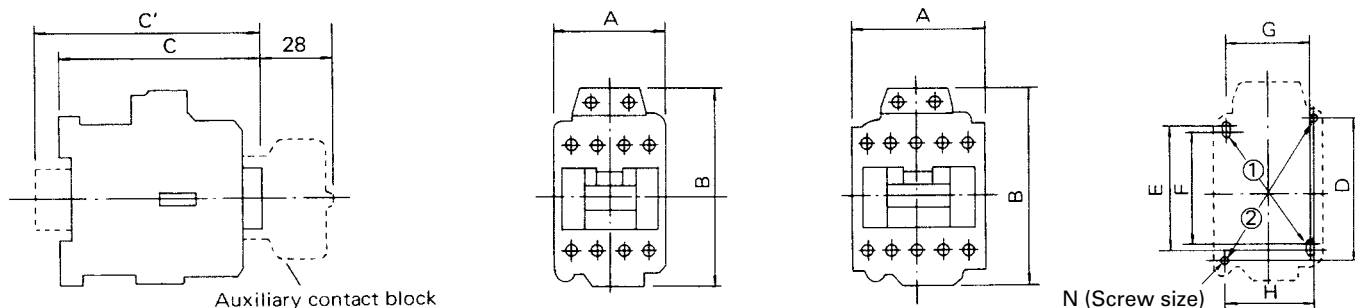
"ORANGE LINE" Dimensions

■ NON-REVERSING CONTACTORS/OPEN TYPE Approximate Dimensions, mm

FIG.1 (4NC0A0 through 4NC0H0)

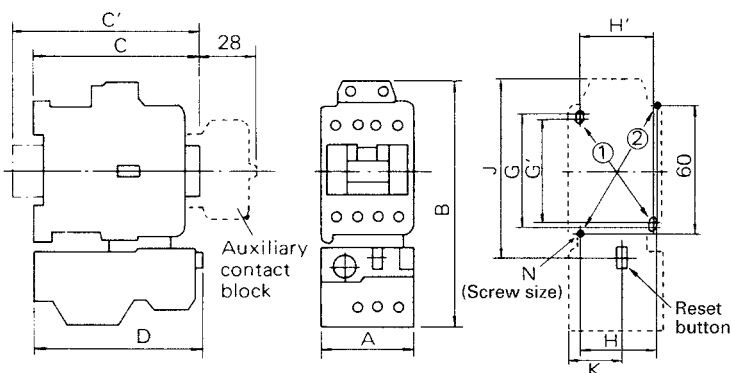
4NC0A0, 0F0, 0Q0, 0R0

4NC0G0, 0H0



U.S. CAT. No.	Fuji Type	Fig. No.	Dimensions, mm										Net Weight (kg)
			A	B	C	C'	D	E	F	G	H	N	
4NC0A0	SC-03	1	43	80	80	90	60	52	48	34	35	2-M4	0.32
4NC0F0	SC-0	1	43	80	80	90	60	52	48	34	35	2-M4	0.32
4NC0G0	SC-05	1	53	80	80	90	60	52	48	34	35	2-M4	0.34
4NC0Q0	SC-4-0	1	53	80	81	91	60	52	48	34	35	2-M4	0.36
4NC0R0	SC-4-1	1	53	80	81	91	60	52	48	34	35	2-M4	0.36
4NC0H0	SC-5-1	1	64	80	81	91	60	60	56	54	50	2-M4	0.38
4GC0A0	SC-03/G	1	43	80	110	120	60	52	48	34	35	2-M4	0.55
4GC0F0	SC-0/G	1	43	80	110	120	60	52	48	34	35	2-M4	0.55
4GC0G0	SC-05/G	1	53	80	110	120	60	52	48	34	35	2-M4	0.58
4GC0Q0	SC-4-0/G	1	53	80	111	121	60	52	48	34	35	2-M4	0.6
4GC0R0	SC-4-1/G	1	53	80	111	121	60	52	48	34	35	2-M4	0.6
4GC0H0	SC-5-1/G	1	64	80	111	121	60	60	56	54	50	2-M4	0.62

FIG.2 (4NW0A0 through 4NW0H0)



U.S. CAT. No.	Fuji Type	Fig. No.	Dimensions, mm													Net Weight (kg)
			A	B	C	C'	D	F	G	G'	H	H'	J	K	N	
4NW0A0	SW-03/2E	2	44	120	80	90	81	60	52	48	35	34	90	26.5	2-M4	0.43
4NW0F0	SW-0/2E	2	44	120	80	90	81	60	52	48	35	34	90	26.5	2-M4	0.43
4NW0G0	SW-05/2E	2	53	120	80	90	81	60	52	48	35	34	90	35.5	2-M4	0.45
4NW0Q0	SW-4-0/2E	2	53	126	81	91	81	60	52	48	35	34	93	26.5	2-M4	0.47
4NW0R0	SW-4-1/2E	2	53	126	81	91	81	60	52	48	35	34	93	26.5	2-M4	0.47
4NW0H0	SW-5-1/2E	2	64	126	81	91	81	60	60	56	50	54	93	37.5	2-M4	0.5
4GW0A0	SW-03/G 2E	2	44	120	110	120	81	60	52	48	35	34	90	26.5	2-M4	0.66
4GW0F0	SW-0/G 2E	2	44	120	110	120	81	60	52	48	35	34	90	26.5	2-M4	0.66
4GW0G0	SW-05/G 2E	2	53	120	110	120	81	60	52	48	35	34	90	35.5	2-M4	0.69
4GW0Q0	SW-4-0/G 2E	2	53	126	111	121	81	60	52	48	35	34	93	26.5	2-M4	0.72
4GW0R0	SW-4-1/G 2E	2	53	126	111	121	81	60	52	48	35	34	93	26.5	2-M4	0.72
4GW0H0	SW-5-1/G 2E	2	64	126	111	121	81	60	60	56	50	54	93	37.5	2-M4	0.74

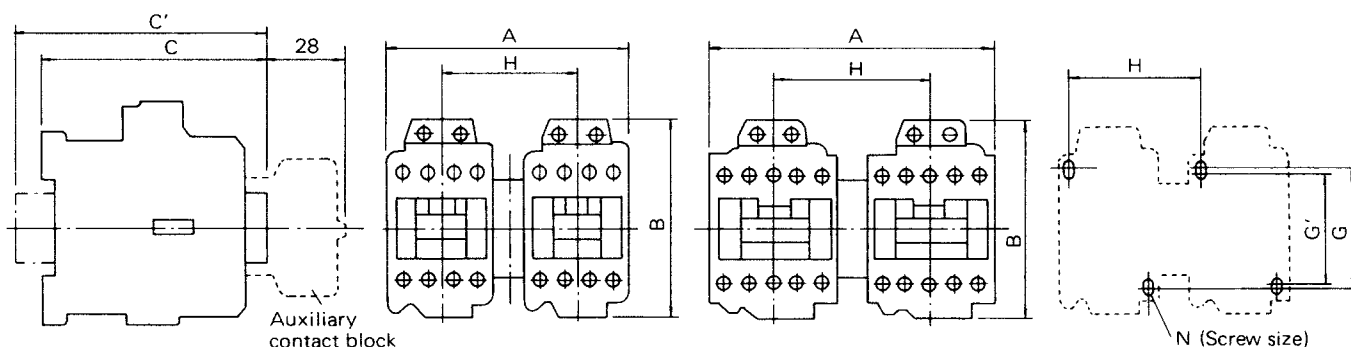
"ORANGE LINE" Dimensions

■ REVERSING CONTACTORS/OPEN TYPE Approximate Dimensions, mm

FIG.3 (4ND0A0 through 4ND0H0)

4ND0A0, 0F0, 0Q0, 0R0

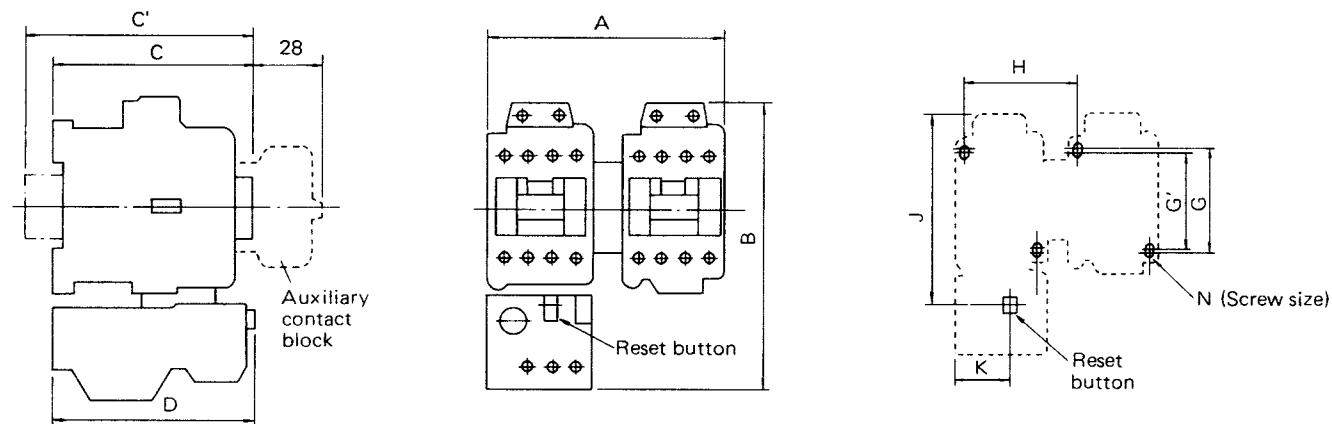
4ND0G0, 0H0



U.S. CAT. No.	Fuji Type	Fig. No.	Dimensions, mm								Net Weight (kg)
			A	B	C	C'	G	G'	H	N	
4ND0A0	SC-03RM	3	99	80	80	90	52	48	56	4-M4	0.68
4ND0F0	SC-0RM	3	99	80	80	90	52	48	56	4-M4	0.68
4ND0G0	SC-05RM	3	119	80	80	90	52	48	66	4-M4	0.72
4ND0Q0	SC-4-0RM	3	119	80	81	91	52	48	66	4-M4	0.76
4ND0R0	SC-4-1RM	3	119	80	81	91	52	48	66	4-M4	0.76
4ND0H0	SC-5-1RM	3	141	80	81	91	60	56	77	4-M4	0.8
4GD0A0	SC-03RM/G	3	99	80	110	120	52	48	56	4-M4	1.14
4GD0F0	SC-0RM/G	3	99	80	110	120	52	48	56	4-M4	1.14
4GD0G0	SC-05RM/G	3	119	80	110	120	52	48	66	4-M4	1.20
4GD0Q0	SC-4-0RM/G	3	119	80	111	121	52	48	66	4-M4	1.24
4GD0R0	SC-4-1RM/G	3	119	80	111	121	52	48	66	4-M4	1.24
4GD0H0	SC-5-1RM/G	3	141	80	111	121	60	56	77	4-M4	1.28

■ REVERSING MOTOR STARTERS/OPEN TYPE Approximate Dimensions, mm

FIG.4 (4NX0A0 through 4NX0H0)



U.S. CAT. No.	Fuji Type	Fig. No.	Dimensions, mm											Net Weight (kg)
			A	B	C	C'	D	G	G'	H	J	K	N	
4NX0A0	SW-03RM/2E	4	100	120	80	90	81	52	48	56	90	26.5	4-M4	0.79
4NX0F0	SW-0RM/2E	4	100	120	80	90	81	52	48	56	90	26.5	4-M4	0.79
4NX0G0	SW-05RM/2E	4	119	120	80	90	81	52	48	66	90	35.5	4-M4	0.83
4NX0Q0	SW-4-0RM/2E	4	119	126	81	91	81	52	48	66	93	26.5	4-M4	0.87
4NX0R0	SW-4-1RM/2E	4	119	126	81	91	81	52	48	66	93	26.5	4-M4	0.87
4NX0H0	SW-5-1RM/2E	4	141	126	81	91	81	60	56	77	93	37.5	4-M4	0.92
4GX0A0	SW-03RM/G 2E	4	100	120	110	120	81	52	48	56	90	26.5	4-M4	1.24
4GX0F0	SW-0RM/G 2E	4	100	120	110	120	81	52	48	56	90	26.5	4-M4	1.24
4GX0G0	SW-05RM/G 2E	4	119	120	110	120	81	52	48	66	90	35.5	4-M4	1.30
4GX0Q0	SW-4-0RM/G 2E	4	119	120	111	121	81	52	48	66	93	26.5	4-M4	1.40
4GX0R0	SW-4-1RM/G 2E	4	119	120	111	121	81	52	48	66	93	26.5	4-M4	1.40
4GX0H0	SW-5-1RM/G 2E	4	141	120	111	121	81	60	56	77	93	37.5	4-M4	1.42