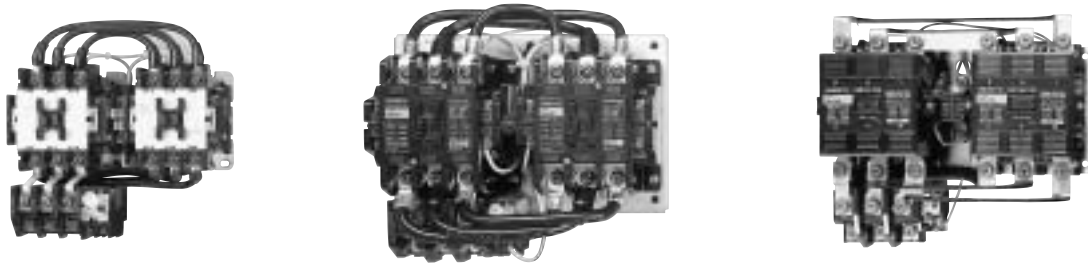
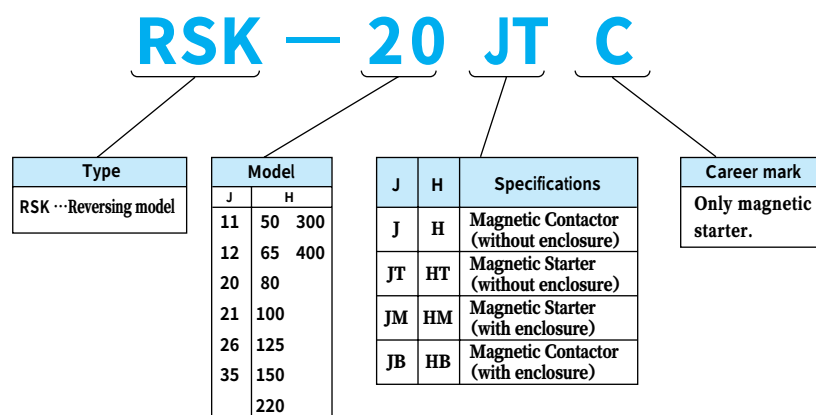


REVERSING MAGNETIC STARTERS AND CONTACTORS



Two standard magnetic contactors are mounted together with a high-reliable mechanical interlock (RSK-11J is an integral type) . The RSK-12J to 35J interlock units (ML-E type) is provided with both mechanical interlock and electrical interlock contacts (1NCx2).

Model identification



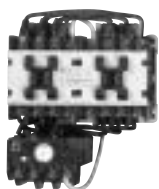
Ratings, performance and specifications

RSK SERIES DIMENSIONS AND SPECIFICATIONS

REVERSING MODEL

11J

RSK-11JTC



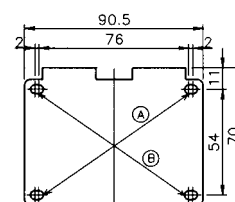
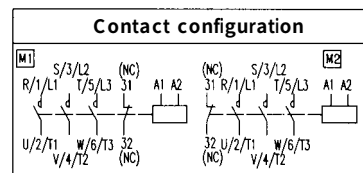
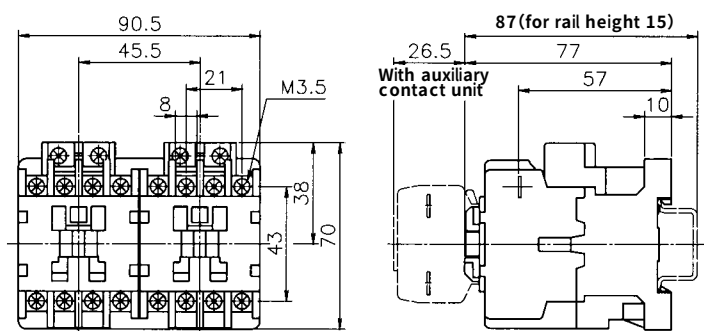
Ratings

Rated capacity	Frame		11J
	AC-3 (kW)	240V	3.7
		440V	4.5
		550V	4.5
	AC-1 (A) (500,000 ops)	240V	20
		440V	20
		550V	20

Applicable wire size and tightening torque

		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25~3.5 2~3.5	0.8~1.2 (8~12)
	Aux. circuit				
Thermal overload relay	Main circuit	M4	Φ1~2 0.5~3.5mm ²	1.25~4 5.5~4	1.2~1.8 (12~18)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25~3.5 2~3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-11J

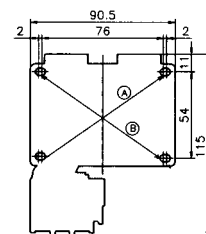
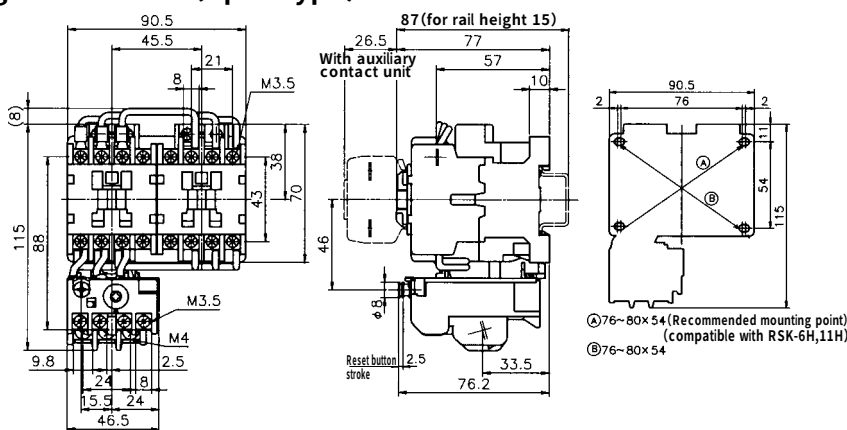


Ⓐ 76~80×54 (Recommended mounting hole)
(compatible with RSK-6H,11H)

Ⓑ 76~80×54

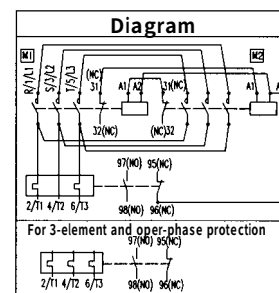
Weight 0.6kg

Magnetic starter (open type) RSK-11JTC



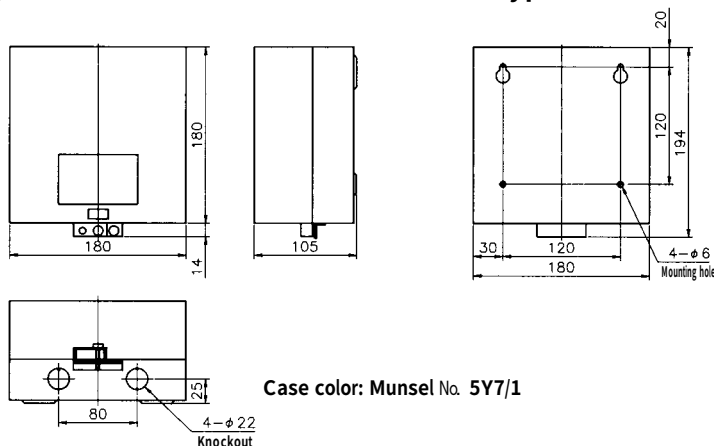
Ⓐ 76~80×54 (Recommended mounting point)
(compatible with RSK-6H,11H)

Ⓑ 76~80×54



Weight 0.72kg

Magnetic starter • contactor (enclosed type) RSK-11JMC (JB)

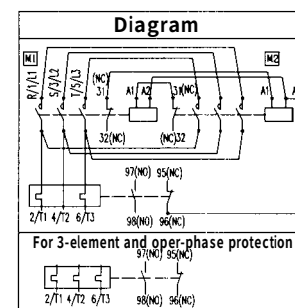


Case color: Munsel No. 5Y7/1

Weight 11JMC=1.82kg

11JB=1.7kg

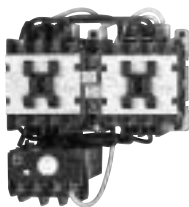
Above diagram is for magnetic starter.



REVERSING MODEL

12J

RSK-12JTC



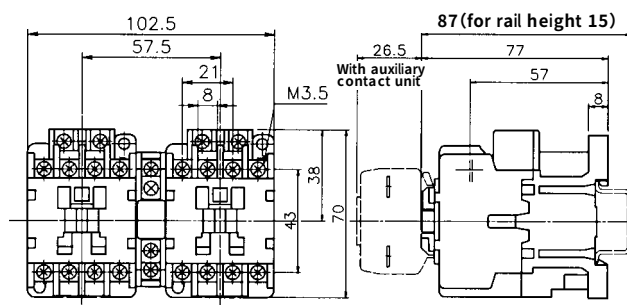
Ratings

Frame			12J
Rated capacity	AC-3 (kW)	240V	4
		440V	5.5
		550V	5.5
	AC-1 (A) (500,000 ops)	240V	26
		440V	26
		550V	26

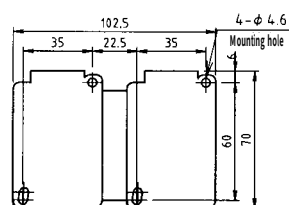
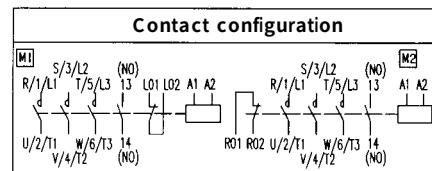
Applicable wire size and tightening torque

		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M3.5	$\phi 1 \sim 1.6$	1.25—3.5 2—3.5	0.8~1.2 (8~12)
	Aux. circuit		$0.5 \sim 2\text{mm}^2$		
Thermal overload relay	Main circuit	M4	$\phi 1 \sim 2$ $0.5 \sim 3.5\text{mm}^2$	1.25—4 5.5—4	1.2~1.8 (12~18)
	Aux. circuit	M3.5	$\phi 1 \sim 1.6$ $0.5 \sim 2\text{mm}^2$	1.25—3.5 2—3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-12J

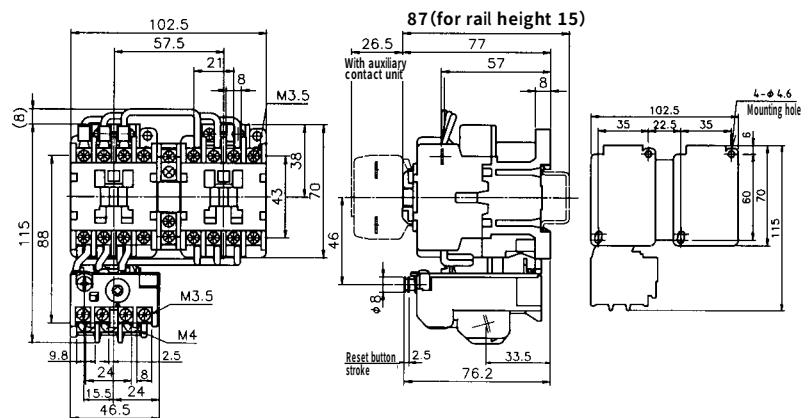


Contact configuration

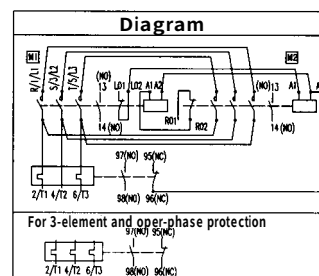


Weight 0.63kg

Magnetic starter (open type) RSK-12JTC

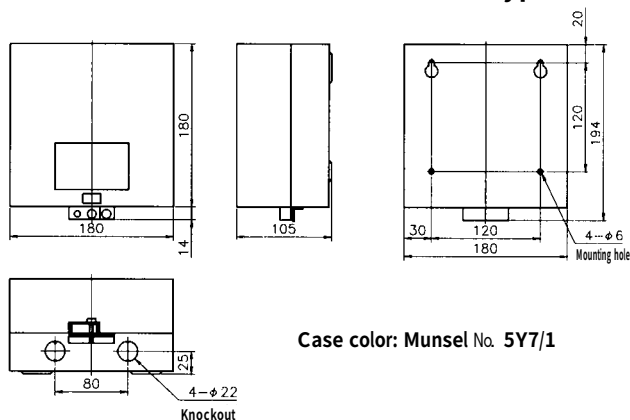


Diagram



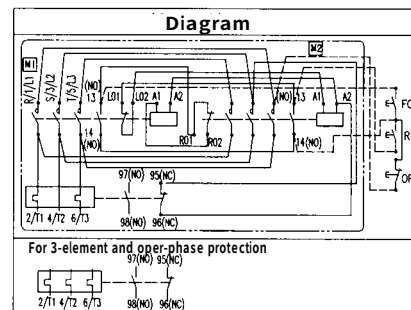
Weight 0.75kg

Magnetic starter • contactor (enclosed type) RSK-12JMC (JB)



Case color: Munsel No. 5Y7/1

Diagram



Weight 12JMC=1.85kg
12JB=1.73kg

Dashed lines are not connected.
Above diagram is for magnetic starter.

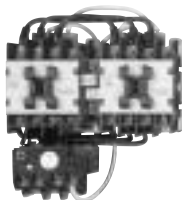
- ① If operating from other power source, remove “ B ”, and connect the supply to #95 and “ A ” on the pushbutton terminal.

RSK SERIES DIMENSIONS AND SPECIFICATIONS

REVERSING MODEL

20J

RSK-20JTC



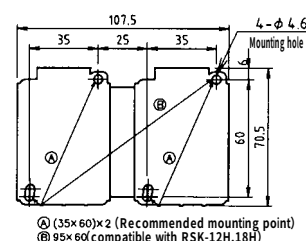
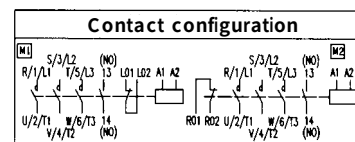
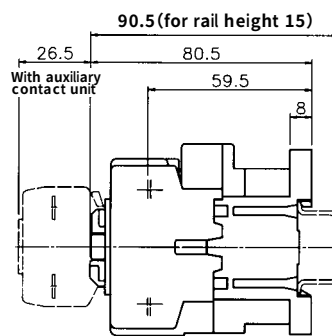
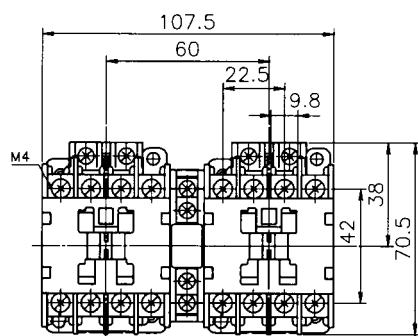
Ratings

Rated capacity	Frame		20J
	AC-3 (kW)	240V	7.5
		440V	11
		550V	11
	AC-1 (A) (500,000 ops)	240V	32
		440V	32
		550V	32

Applicable wire size and tightening torque

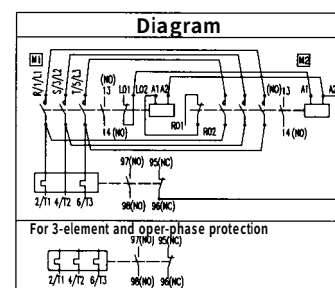
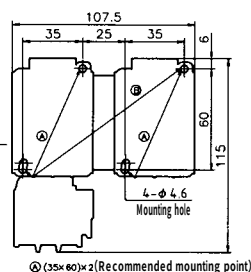
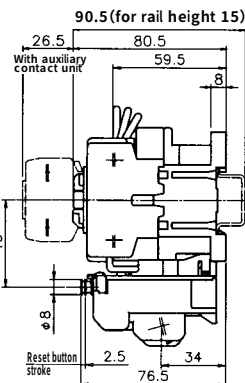
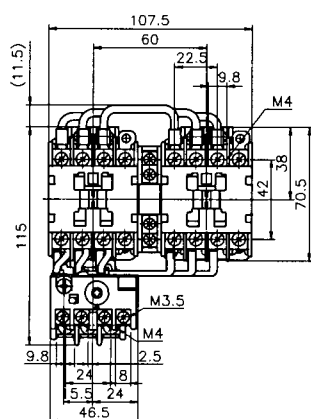
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main c.	M4	Φ1~2	1.25-4	1.2~1.8
	Aux c.	M4	0.5~3.5mm ²	3.5-4	(12~18)
Thermal overload relay	coil circuit	M3.5	Φ1~1.6	1.25-3.5	0.8~1.2
		M3.5	0.5~2mm ²	2-3.5	(8~12)
Thermal overload relay	Main circuit	M4	Φ1~2	1.25-4	1.2~1.8
	Aux. circuit	M3.5	Φ1~1.6	1.25-3.5	0.8~1.2
		M3.5	0.5~2mm ²	2-3.5	(8~12)

Magnetic contactor (open type) RSK-20J



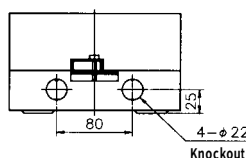
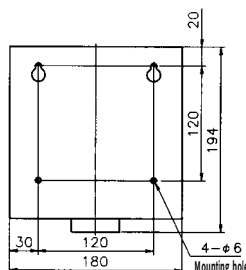
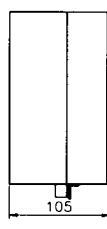
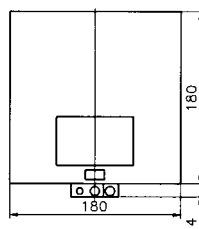
Weight 0.68kg

Magnetic starter (open type) RSK-20JTC

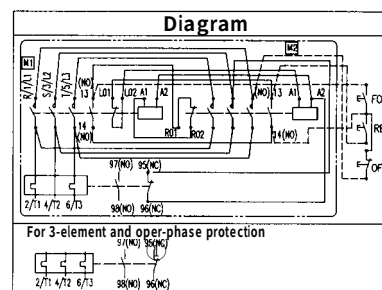


Weight 0.79kg

Magnetic starter • contactor(enclosed type) RSK-20JMC (JB)



Case color: Munsel No. 5Y7/1



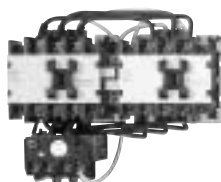
Weight 20JMC=1.89kg
20JB=1.78kg

Dashed lines are not connected.
Above diagram is for magnetic starter.

① If operating from other power source, remove "B", and connect the supply to #95 and "A" on the pushbutton terminal.

REVERSING MODEL

21J



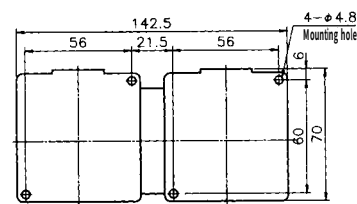
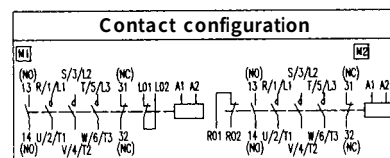
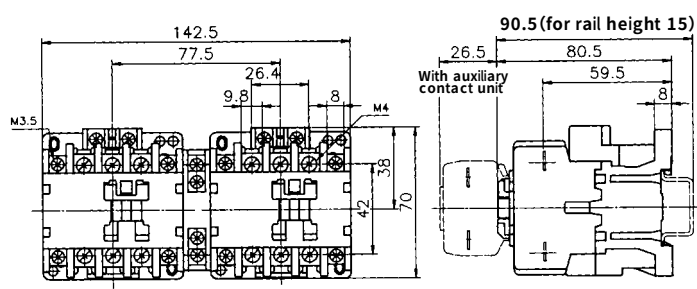
Ratings

Frame			21J
Rated capacity	AC-3 (kW)	240V	7.5
		440V	11
		550V	11
	AC-1 (A) (500,000ops)	240V	32
		440V	32
		550V	32

Applicable wire size and tightening torque

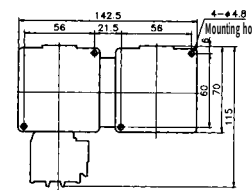
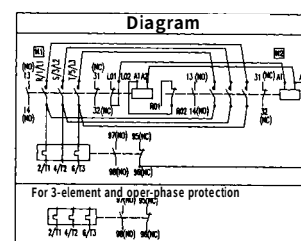
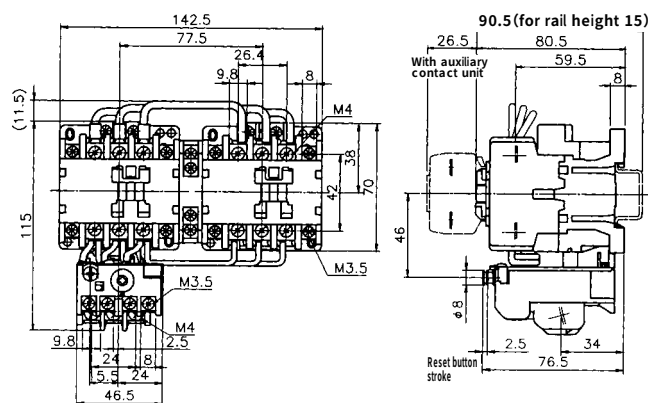
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M4	φ1~2 0.5~3.5mm ²	1.25-4 3.5-4	1.2~1.8 (12~18)
	Aux. circuit	M3.5	φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)
Thermal overload relay	Main circuit	M4	φ1~2 0.5~3.5mm ²	1.25-4 3.5-4	1.2~1.8 (12~18)
	Aux. circuit	M3.5	φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-21J



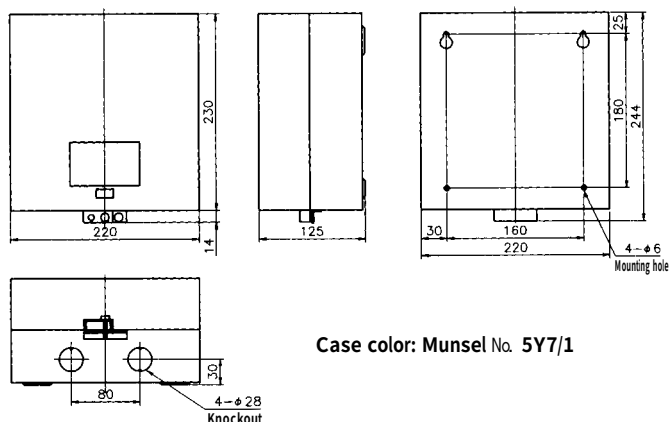
Weight 0.75kg

Magnetic starter (open type) RSK-21JTC

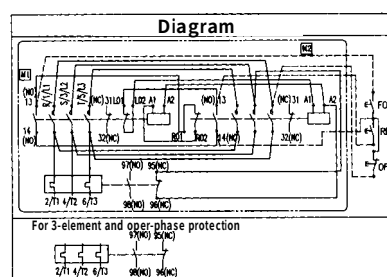


Weight 0.97kg

Magnetic starter • contactor (enclosed type) RSK-21JMC (JB)



Case color: Munsel No. 5Y7/1



Weight 21JMC=2.72kg
21JB=2.5kg

Dashed lines are not connected.
Above diagram is for magnetic starter.

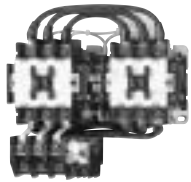
- ① If operating from other power source, remove “ B ”, and connect the supply to #95 and “ A ” on the pushbutton terminal.

RSK SERIES DIMENSIONS AND SPECIFICATIONS

REVERSING MODEL

26J • 35J

RSK-26JTC • 35JTC



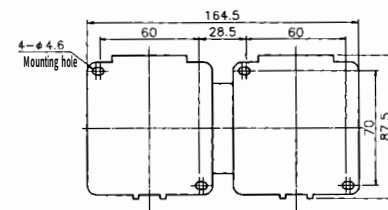
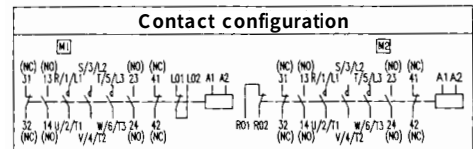
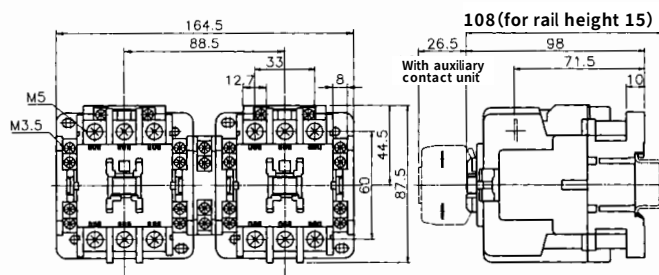
Ratings

Rated capacity	Frame		26J	35J
	AC-3 (kW)	240V	10	15
		440V	20	26
		550V	20	26
	AC-1 (A) (500,000 ops)	240V	50	60
		440V	50	60
		550V	50	60

Applicable wire size and tightening torque

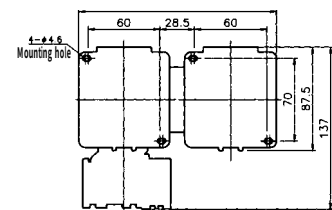
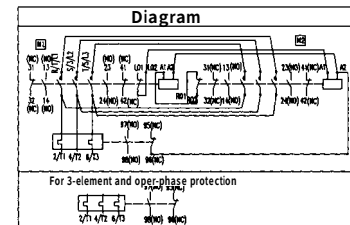
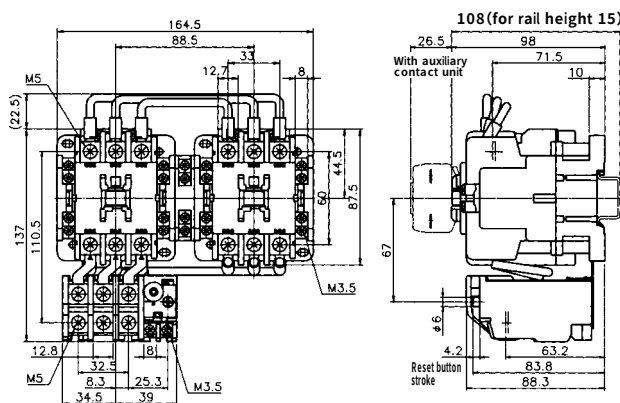
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M5	Φ1.6~3.2 1.25~14mm ²	1.25-5 14-5	2.4~3.5 (24~36)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)
Thermal overload relay	Main circuit	M5	Φ1.6~3.2 1.25~14mm ²	1.25-5 14-5	2.4~3.5 (24~36)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-26J • 35J



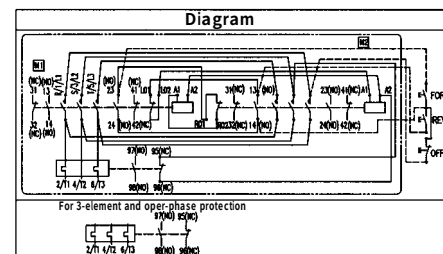
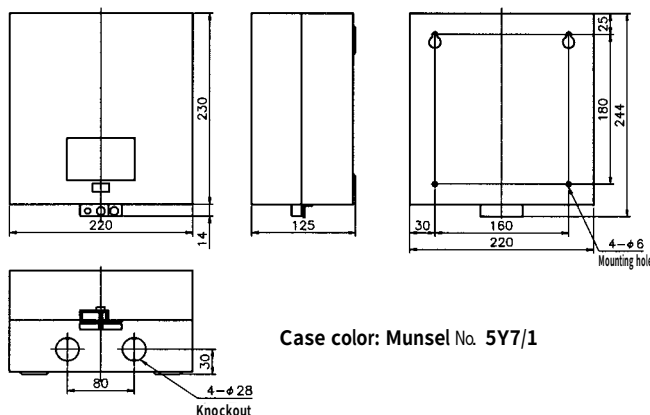
Weight 1.4kg

Magnetic starter (open type) RSK-26JTC • 35JTC



Weight 1.75kg

Magnetic starter • contactor (enclosed type) RSK-26JMC (JB) • RSK-35JMC (JB)



Weight 26JMC•35JMC=3.5kg Dashed lines are not connected.
26JB•35JB=3.15kg Above diagram is for magnetic starter.

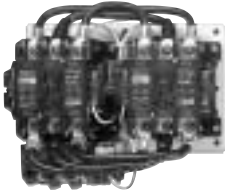
① If operating from other power source, remove "B", and connect the supply to #95 and "A" on the pushbutton terminal.

RSK-H SERIES DIMENSIONS AND SPECIFICATIONS

REVERSING MODEL

50H • 65H

RSK-50HTC•65HTC



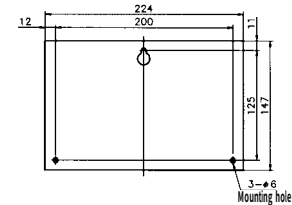
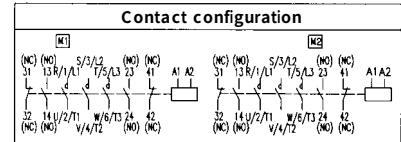
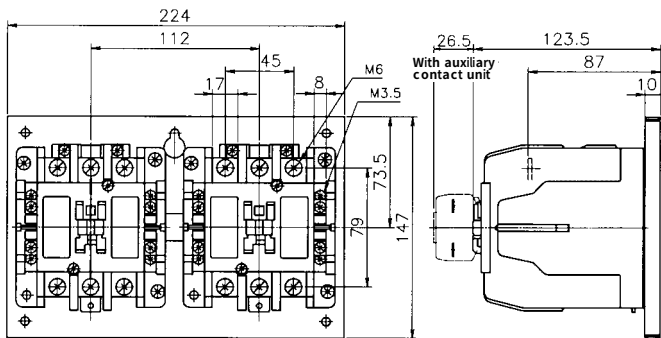
Ratings

Rated capacity	Frame		50H	65H
	AC-3 (kW)	220V	15	19
		440V	30	37
		550V	26	37
	AC-1 (A) (500,000 ops)	220V	75	90
		440V	75	90
		550V	75	90

Applicable wire size and tightening torque

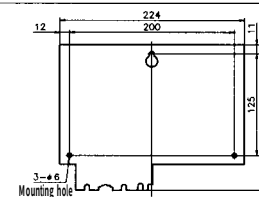
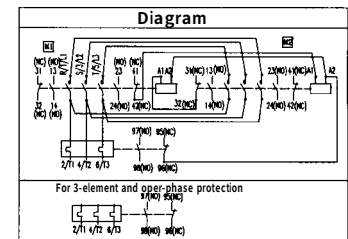
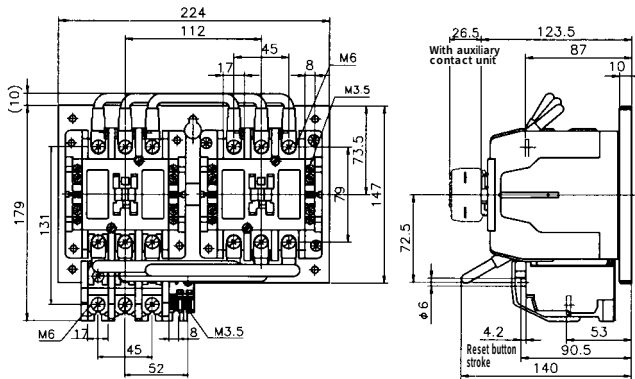
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M6	2~38mm ² Using crimped terminals	2-6 38-6S	3.9~5.9 (40~60)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)
Thermal overload relay	Main circuit	M6	2~38mm ² Using crimped terminals	2-6 38-6S	3.9~5.9 (40~60)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-50H • 65H



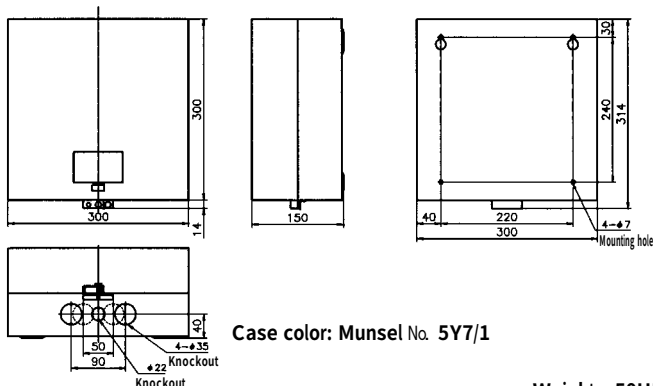
Weight 50H=3.22kg 65H=3.42kg

Magnetic starter (open type) RSK-50HTC • 65HTC



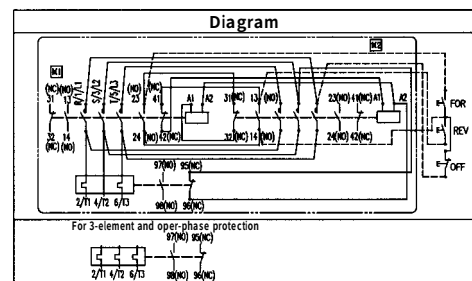
Weight 50HTC=3.95kg 65HTC=4.45kg

Magnetic starter • contactor (enclosed type) RSK-50HMC (HB) • 65HMC (HB)



Case color: Munsel No. 5Y7/1

Weight 50HMC=6.91kg•65HMC=7.41kg
50HB=6.18kg•65HB=6.38kg

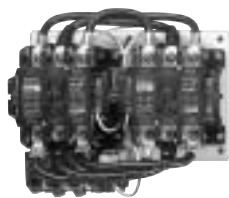


Dashed lines are not connected.
Above diagram is for magnetic starter.

① If operating from other power source, remove "B", and connect the supply to #95 and "A" on the pushbutton terminal.

REVERSING MODEL

Applicable wire size and tightening torque



Frame			80H
Rated capacity	AC-3 (kW)	220V	22
		440V	45
		550V	45
	AC-1 (A) (500,000 ops)	220V	110
		440V	110
		550V	110

		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M6	2~38mm ² Using crimped terminals	2-6 38-6S	3.9~5.9 (40~60)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25~3.5 2-3.5	0.8~1.2 (8~12)
Thermal overload relay	Main circuit	M6	2~38mm ² Using crimped terminals	2-6 38-6S	3.9~5.9 (40~60)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25~3.5 2-3.5	0.8~1.2 (8~12)

Technical drawing of the 1200 series terminal block, showing top and side views with dimensions in millimeters.

Top View Dimensions:

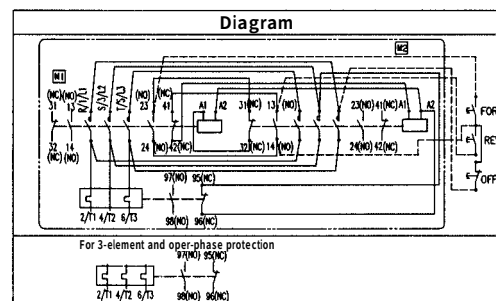
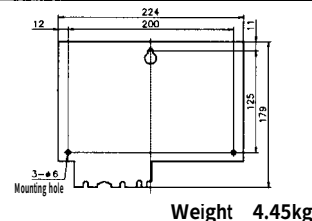
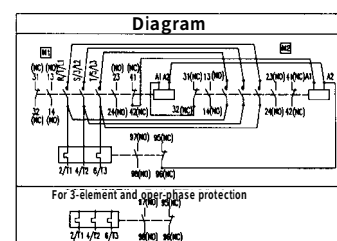
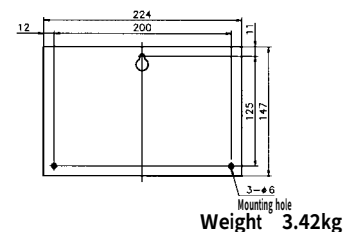
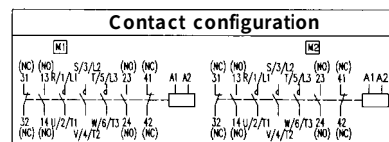
- Overall width: 224
- Distance between main terminal columns: 112
- Distance from left edge to first terminal column: 45
- Terminal pitch: 17
- Distance between terminal columns: 8
- Mounting hole diameter: M6
- Mounting hole offset: M3.5
- Terminal height: 73.5
- Terminal width: 79
- Overall height: 147

Side View Dimensions:

- Distance from front face to terminal column: 26.5
- Overall length: 123.5
- Distance from front face to terminal column (alternative): 87
- Terminal width: 10

Additional Labels:

- With auxiliary contact unit



Case color: Munsel No. 5Y7/1

Weight 80HMC=8.4kg
80HB=7.37kg

Dashed lines are not connected.
Above diagram is for magnetic starter.

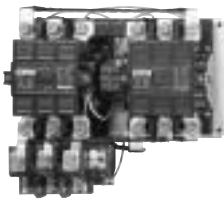
① If operating from other power source, remove “ B ”, and connect the supply to #95 and “ A ” on the pushbutton terminal.

RSK-H SERIES DIMENSIONS AND SPECIFICATIONS

REVERSING MODEL

100H

RSK-100HTC



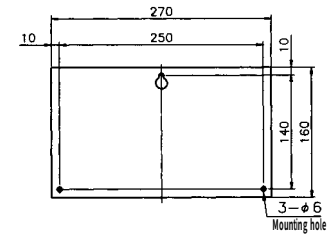
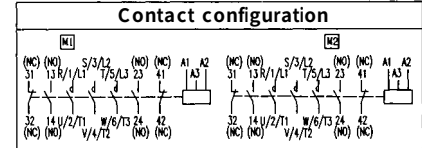
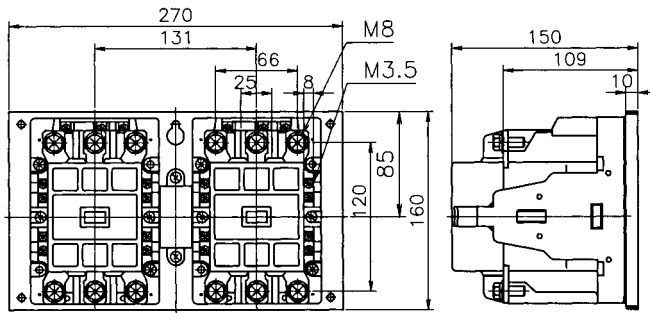
Ratings

Rated capacity	Frame		100H
	AC-3 (kW)	220V	30
		440V	55
		550V	55
	AC-1 (A) (500,000 ops)	220V	150
		440V	150
		550V	150

Applicable wire size and tightening torque

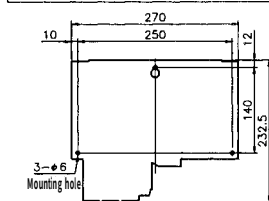
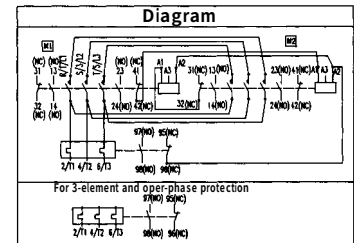
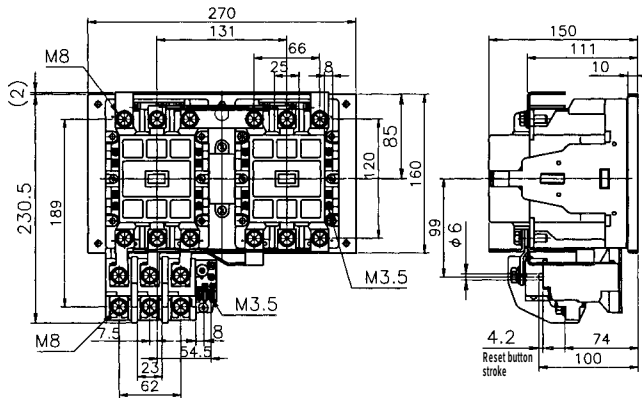
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M8	2~80mm ² Using crimped terminals	2-8 CB80-8	9.0~13.5 (92~138)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)
Thermal overload relay	Main circuit	M8	2~80mm ² Using crimped terminals	2-8 CB80-8	9.0~13.5 (92~138)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-100H



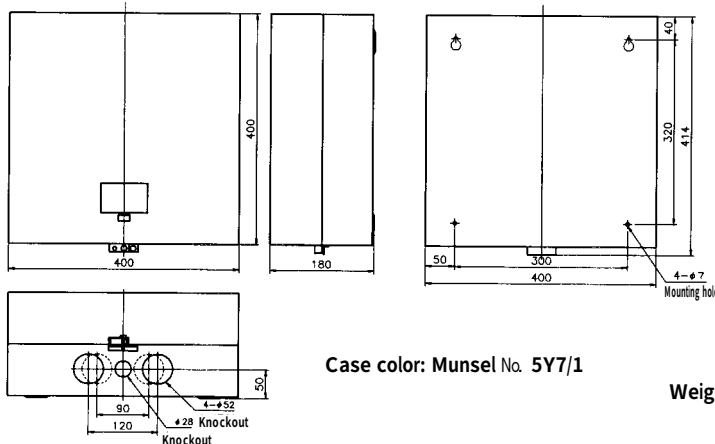
Weight 6.8kg

Magnetic starter (open type) RSK-100HTC



Weight 8.1kg

Magnetic starter • contactor (enclosed type) RSK-100HMC (HB)



Case color: Munsel No. 5Y7/1

Weight 100HMC=14.3kg
100HB=13.0kg

Dashed lines are not connected.
Above diagram is for magnetic starter.

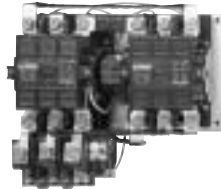
① If operating from other power source, remove "B", and connect the supply to #95 and "A" on the pushbutton terminal.

RSK-H SERIES DIMENSIONS AND SPECIFICATIONS

REVERSING MODEL

125H

RSK-125HTC



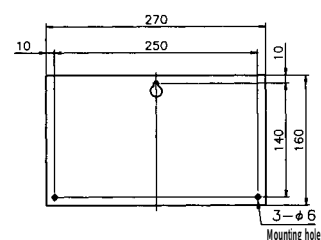
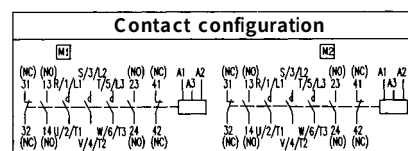
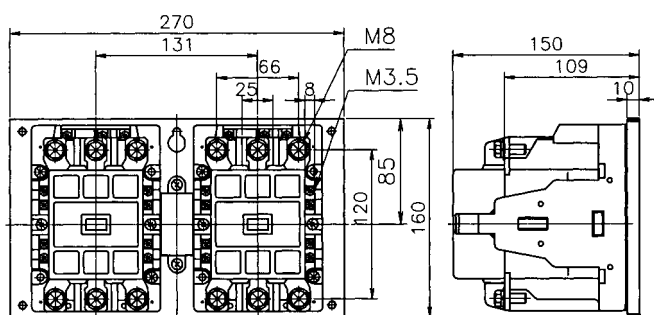
Ratings

Rated capacity	Frame		125H
	AC-3 (kW)	220V	37
		440V	60
		550V	70
	AC-1 (A) (500,000 ops)	220V	170
		440V	170
		550V	170

Applicable wire size and tightening torque

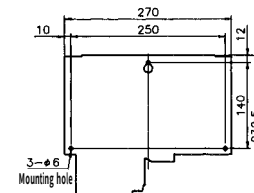
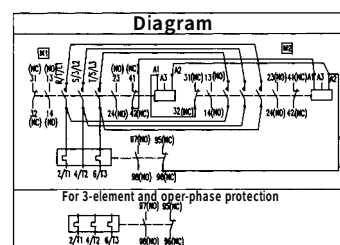
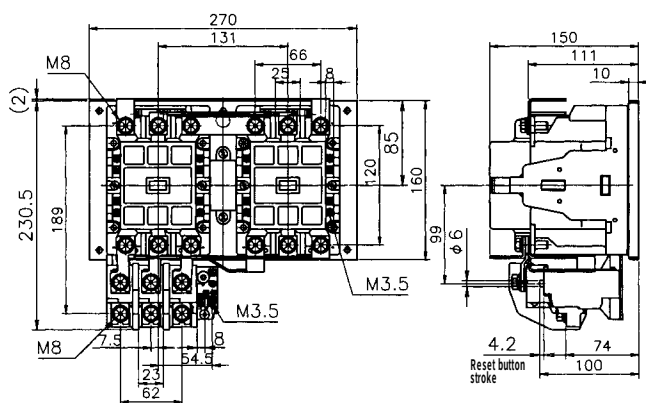
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M8	2~80mm ² Using crimped terminals	2-8 CB80-8	9.0~13.5 (92~138)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)
Thermal overload relay	Main circuit	M8	2~80mm ² Using crimped terminals	2-8 CB80-8	9.0~13.5 (92~138)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-125H



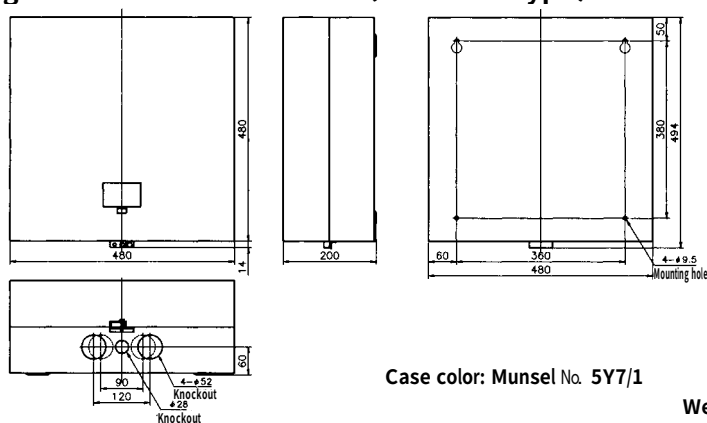
Weight 6.8kg

Magnetic starter (open type) RSK-125HTC



Weight 8.1kg

Magnetic starter • contactor (enclosed type) RSK-125HMC (HB)



Case color: Munsel No. 5Y7/1

Weight 125HMC=18.0kg
125HB=16.7kg

Dashed lines are not connected.
Above diagram is for magnetic starter.

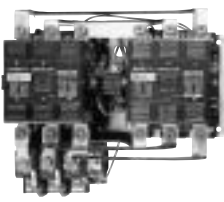
① If operating from other power source, remove "B", and connect the supply to #95 and "A" on the pushbutton terminal.

RSK-H SERIES DIMENSIONS AND SPECIFICATIONS

REVERSING MODEL

150H

RSK-150HTC



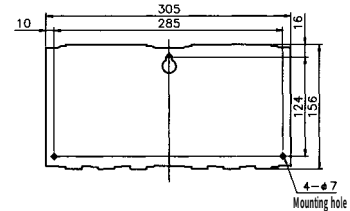
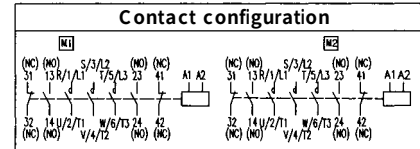
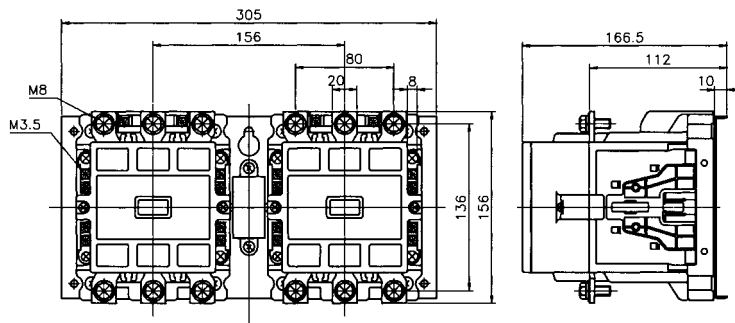
Ratings

Rated capacity	Frame		150H
	AC-3 (kW)	220V	55
		440V	75
		550V	75
	AC-1(A) (500,000 ops)	220V	220
		440V	220
		550V	220

Applicable wire size and tightening torque

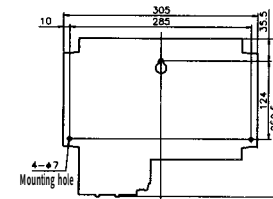
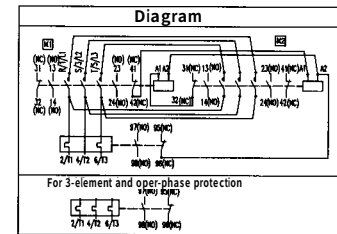
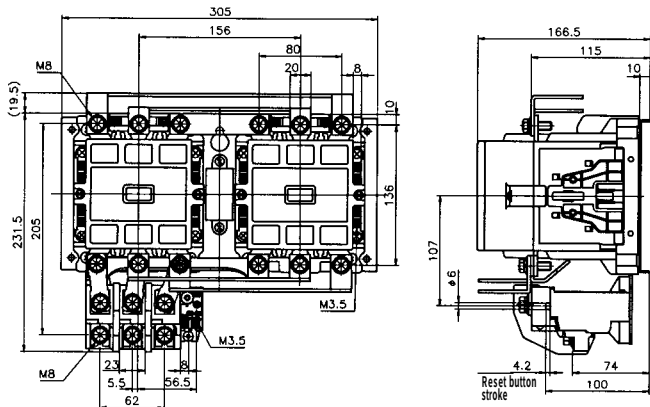
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M8	2~100mm ² Using crimped terminals	2-8 CB100-8	9.0~13.5 (92~138)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)
Thermal overload relay	Main circuit	M8	2~100mm ² Using crimped terminals	2-8 CB100-8	9.0~13.5 (92~138)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-150H



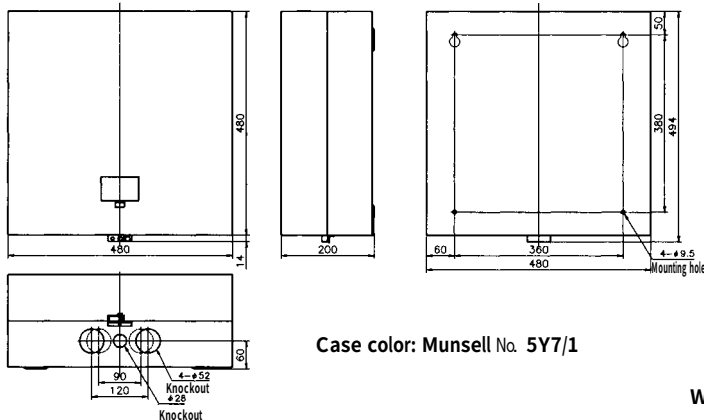
Weight 8.68kg

Magnetic starter (open type) RSK-150HTC

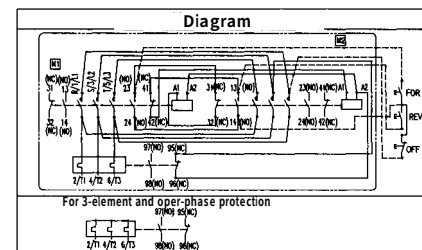


Weight 9.75kg

Magnetic starter • contactor (enclosed type) RSK-150HMC (HB)



Case color: Munsell No. 5Y7/1



Weight 150HMC=19.8kg
150HB=18.7kg

Dashed lines are not connected.
Above diagram is for magnetic starter.

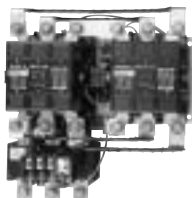
① If operating from other power source, remove "B", and connect the supply to #95 and "A" on the pushbutton terminal.

RSK-H SERIES DIMENSIONS AND SPECIFICATIONS

REVERSING MODEL

220H

RSK-220HTC



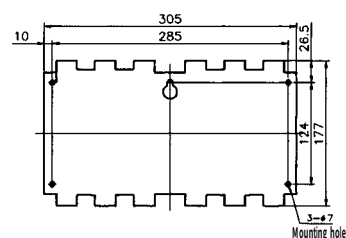
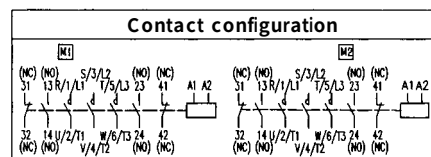
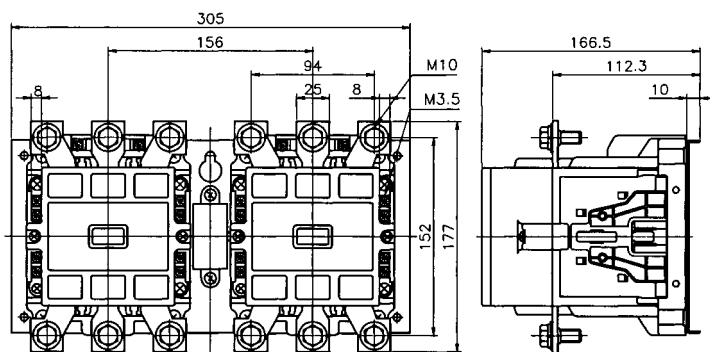
Ratings

Rated capacity	Frame		220H
	AC-3 (kW)	220V	75
		440V	95
		550V	95
	AC-1 (A) (500,000 ops)	220V	275
		440V	275
		550V	275

Applicable wire size and tightening torque

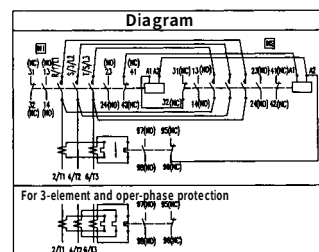
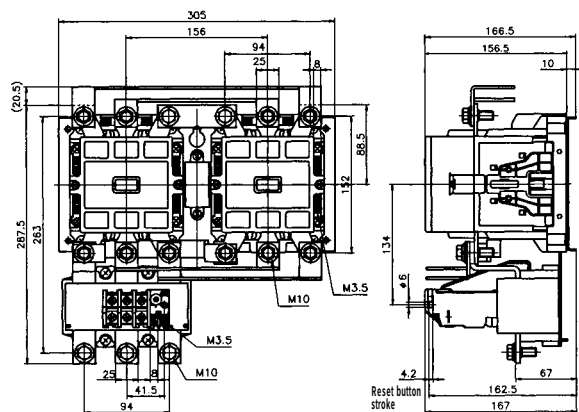
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m (kgf·cm)
Contactor	Main circuit	M10	2~150mm ² Using crimped terminals	2-10 CB150-10	18.1~27 (185~275)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)
Thermal overload relay	Main circuit	M10	2~150mm ² Using crimped terminals	2-10 CB150-10	18.1~27 (185~275)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-220H



Weight 9.9kg

Magnetic starter (open type) RSK-220HTC



For 3-element and over-phase protection

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

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90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

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2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

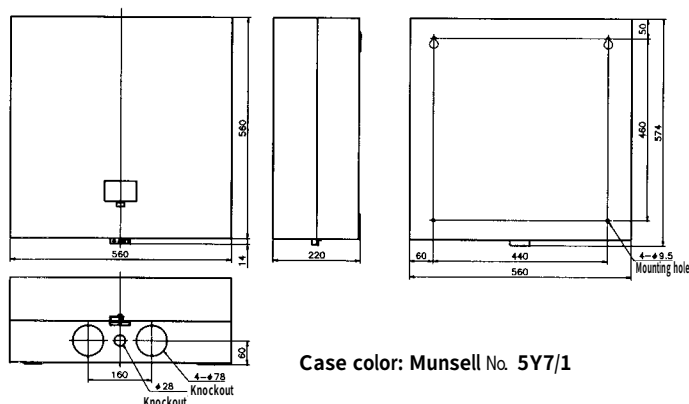
90(NC) 90(NC)

2/T1 4/T2 6/T3

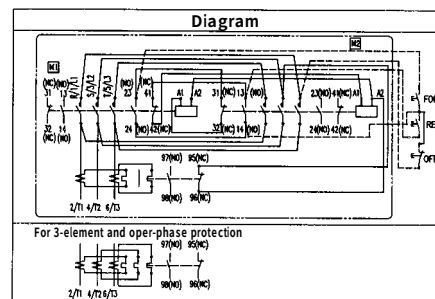
90(NC) 90(NC)

Weight 12.4kg

Magnetic starter • contactor (enclosed type) RSK-220HMC (HB)



Case color: Munsell No. 5Y7/1



For 3-element and over-phase protection

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

2/T1 4/T2 6/T3

90(NC) 90(NC)

Weight 220HMC=22.4kg
220HB=19.9kg

Dashed lines are not connected.
Above diagram is for magnetic starter.

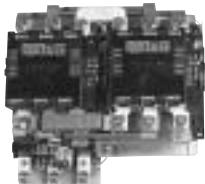
① If operating from other power source, remove "B", and connect the supply to #95 and "A" on the pushbutton terminal.

RSK-H SERIES DIMENSIONS AND SPECIFICATIONS

REVERSING MODEL

300H • 400H

RSK-300HT • 400HT



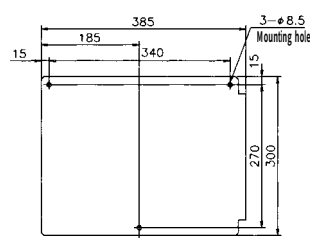
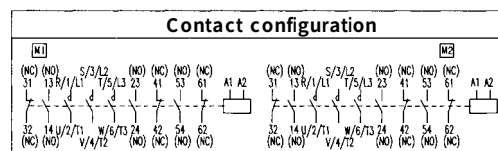
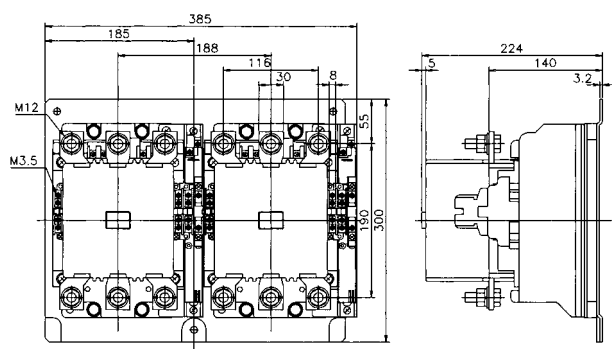
Ratings

Rated capacity	Frame		300H	400H
	AC-3 (kW)	220V	90	115
		440V	150	200
		550V	160	200
	AC-1(A) (500,000 ops)	220V	350	420
		440V	350	420
		550V	—	—

Applicable wire size and tightening torque

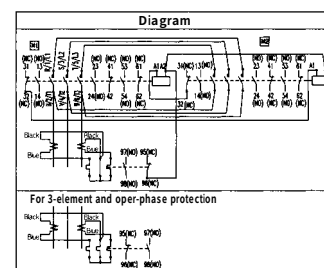
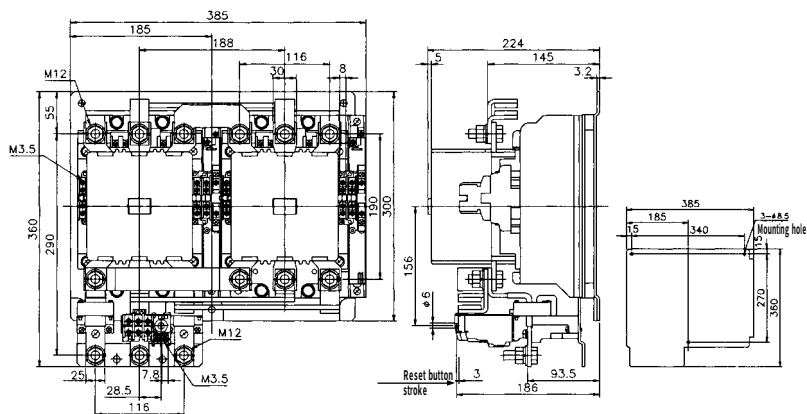
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M12	2~200mm ²	2-12 200-12	30.4~46.1 (310~470)
	Aux. circuit	M3.5	Φ1~2 0.5~3.5mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)
Thermal overload relay	Main circuit	M10	2~200mm ²	2-12 200-12	30.4~46.1 (310~470)
	Aux. circuit	M3.5	Φ1~1.6 0.5~2mm ²	1.25-3.5 2-3.5	0.8~1.2 (8~12)

Magnetic contactor (open type) RSK-300H • 400H



Weight 25kg

Magnetic starter (open type) RSK-300HT • 400HT



Weight 30kg