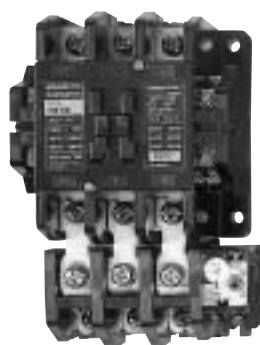
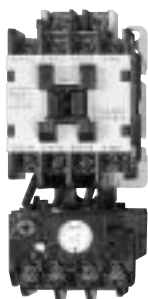


STANDARD MAGNETIC STARTERS AND CONTACTORS



Model identification

PAK — 20 JT 20 — A C

Type
PAK ...Standard model

Model		
J	H	
6	50	300
11	65	400
12	80	600
20	100	800
21	125	
26	150	
35	220	

J	H	Specifications
J	H	Magnetic contactor ① (without enclosure)
JT	HT	Magnetic starter (without enclosure)
JM	HM	Magnetic starter (with enclosure)
JB	HB	Magnetic contactor (with enclosure)

注 ① Only PAK-6J accompanies "c" at the end of model name.

Aux. contact configuration
PAK-6JC、11J
12J、20J
Blank.....1NO
31.....1NC
PAK-21J
Blank.....1NO1NC
20.....2NO
02.....2NC
PAK-26J ~ 200H
Blank.....2NO2NC
PAK-300、400H
Blank.....3NO3NC
PAK-600、800H
Blank.....4NO4NC

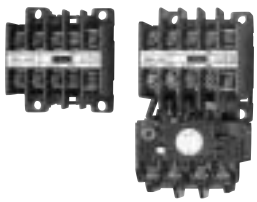
Options
A...Ammeter
D...Pushbutton

Career mark
Only magnetic starter However, except 300HT ~ 600HT

Ratings, performance and specifications

6 J

PAK-6JC PAK-6JTC



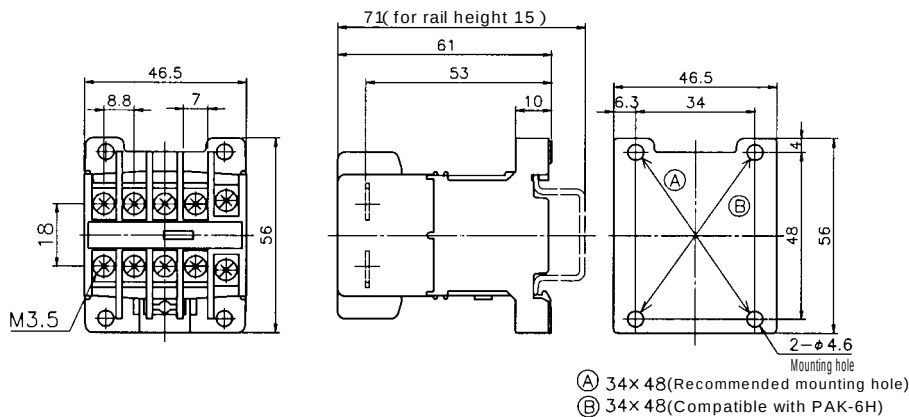
Ratings

Frame			6J
Rated capacity	AC-3 (kW)	240V	2.2
		440V	4
		550V	4
	AC-1 (A) (500,000 ops)	240V	15
		440V	15
		550V	15

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	$\phi 1 \sim 2$ 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	$\phi 1 \sim 2$ 0.5 ~ 5.5mm ²	1.25 - 4 5.5 - 4	1.2 ~ 1.8 (12 ~ 18)
	Aux. circuit	M3.5	$\phi 1 \sim 2$ 0.5 ~ 2mm ²	1.25 - 3.5 2 - 3.5	0.8 ~ 1.2 (8 ~ 12)

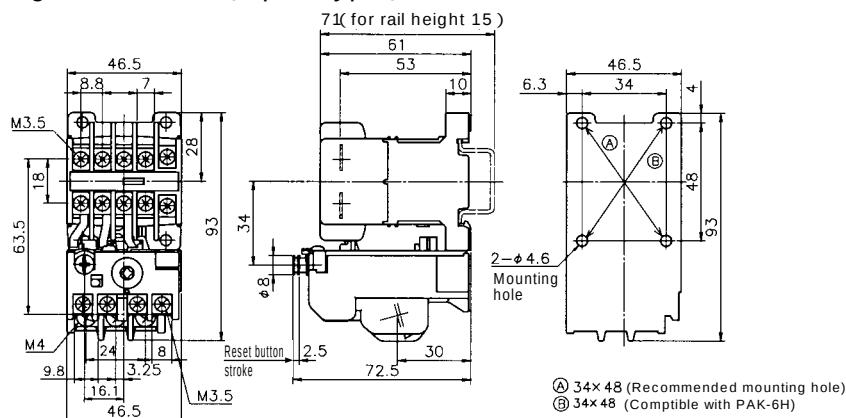
Magnetic contactor (open type) PAK-6JC



Auxiliary contact	Contact configuration
1NO	S/3/L2 (NO) 13 R/1/L1 14 T/5/L3 14 U/2/T1 14 V/4/T2 14 W/6/T3 14
1NC	S/3/L2 (NC) 31 R/1/L1 31 T/5/L3 31 U/2/T1 31 V/4/T2 31 W/6/T3 31

Weight 6JC=0.17kg

Magnetic starter (open type) PAK-6JTC



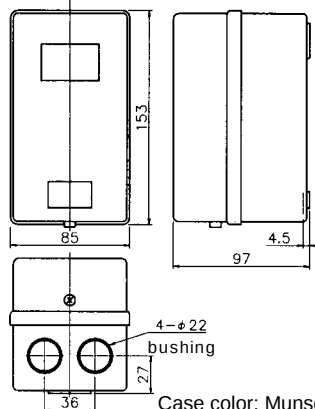
Auxiliary contact	Contact configuration
1NO	S/3/L2 (NO) 13 R/1/L1 14 T/5/L3 14 U/2/T1 14 V/4/T2 14 W/6/T3 14
1NC	S/3/L2 (NC) 31 R/1/L1 31 T/5/L3 31 U/2/T1 31 V/4/T2 31 W/6/T3 31

For 3-element and open-phase protection

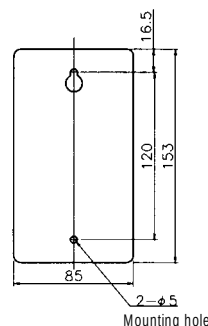
97(NO) 95(NC)
2/T1 4/T2 6/T3 98(NO) 96(NC)

Weight 6JT=0.29kg

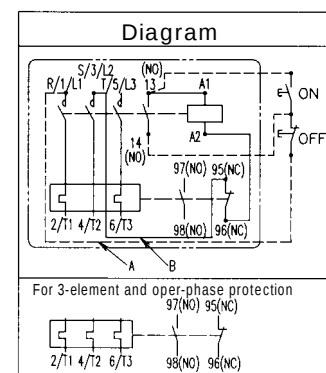
Magnetic starter • contactor (enclosed type) PAK-6JMC (JB)



Case color: Munsel No. 5Y7/1

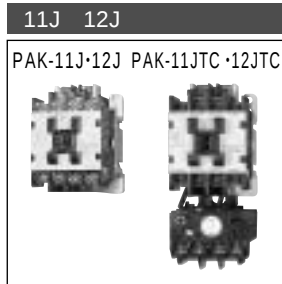


Weight 6JMC=0.45kg
6JB=0.34kg



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

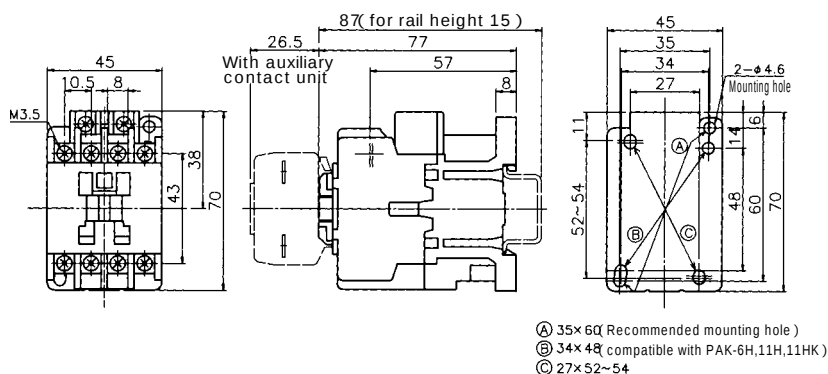
① If operating from other power source, remove " B ", and connect the supply to #95 and " A " on the pushbutton terminal.



Ratings				
Rated capacity	Frame		11J	12J
	AC-3 (kW)	240V	3.7	4
		440V	4.5	5.5
		550V	4.5	5.5
	AC-1 (A) (500,000 ops)	240V	20	26
		440V	20	26
		550V	20	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	φ 1 ~ 2 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	φ 1 ~ 2 0.5 ~ 5.5mm ²	1.25 ~ 4 5.5 - 4	1.2 ~ 1.8 (12 ~ 18)
	Aux. circuit	M3.5	φ 1 ~ 2 0.5 ~ 2mm ²	1.25 ~ 3.5 2 - 3.5	0.8 ~ 1.2 (8 ~ 12)

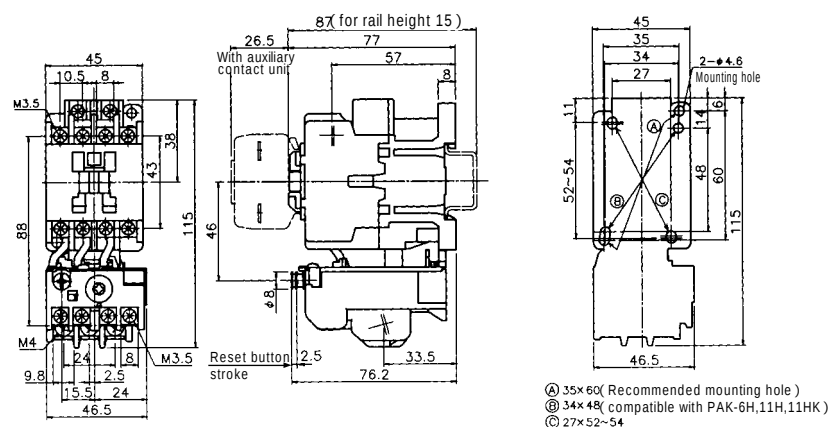
Magnetic contactor (open type) PAK-11J · 12J



Auxiliary contact	Contact configuration
1NO	R/1/L1 S/3/L2 T/5/L3 13 (NO) A1 A2 U/2/T1 W/6/T3 V/4/T2 14 (NO)
1NC	R/1/L1 S/3/L2 T/5/L3 31 (NC) A1 A2 U/2/T1 W/6/T3 V/4/T2 32 (NC)

Weight 11J · 12J=0.3kg

Magnetic starter (open type) PAK-11JTC · 12JTC

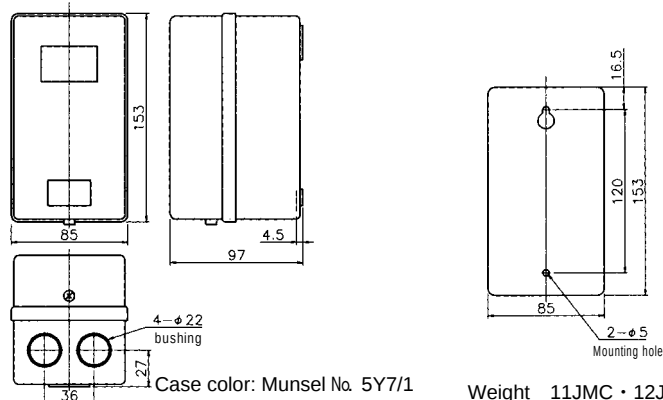
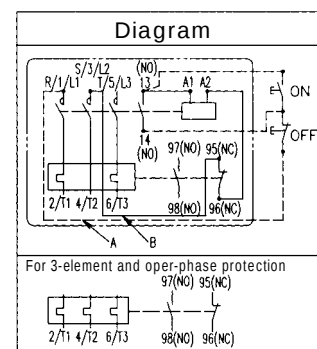


Auxiliary contact	Contact configuration
1NO	R/1/L1 S/3/L2 T/5/L3 13 (NO) A1 A2 U/2/T1 W/6/T3 V/4/T2 14 (NO) 97(NO) 95(NC) 98(NO) 96(NC)
1NC	R/1/L1 S/3/L2 T/5/L3 31 (NC) A1 A2 U/2/T1 W/6/T3 V/4/T2 32 (NC) 97(NO) 95(NC) 98(NO) 96(NC)

For 3-element and over-phase protection
97(NO) 95(NC)
2/T1 4/T2 6/T3 98(NO) 96(NC)

Weight 11JTC · 12JTC=0.4kg

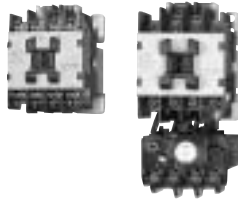
Magnetic starter · contactor (enclosed type) PAK-11JMC (JB) · 12JMC (JB)


Weight 11JMC · 12JMC=0.57kg
11JB · 12JB=0.46kg

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.

20J

PAK-20J PAK-20JTC



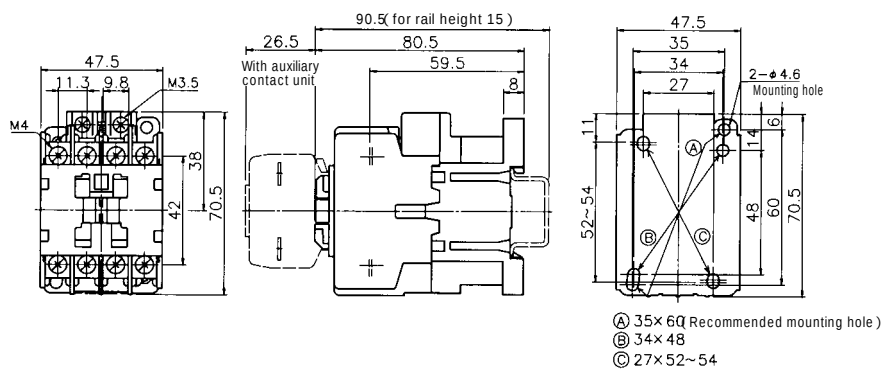
Ratings

Frame		20J
Rated capacity	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.	M3.5	0.5~3.5mm ²	5.5-4	(12~18)
Thermal overload relay	coil circuit	M3.5	φ1~1.6	1.25-3.5	0.8~1.2
			0.5~2mm ²	2-3.5	(8~12)
	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
			0.5~2mm ²	2-3.5	(8~12)

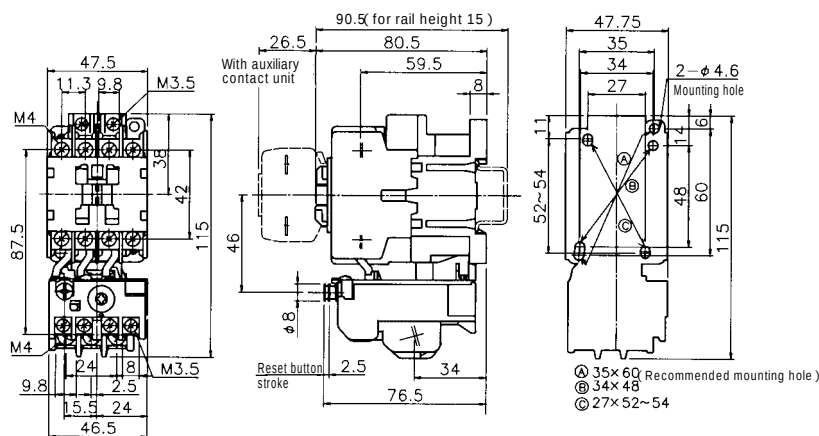
Magnetic contactor (open type) PAK-20J



Auxiliary contact	Contact configuration
1NO	S/3/L2 (NO) 13 A1 A2 R/1/L1 T/5/L3 14 (NO) U/2/T1 W/6/T3 V/4/T2
1NC	S/3/L2 (NC) 31 A1 A2 R/1/L1 T/5/L3 32 (NC) U/2/T1 W/6/T3 V/4/T2

Weight 20J=0.32kg

Magnetic starter (open type) PAK-20JTC



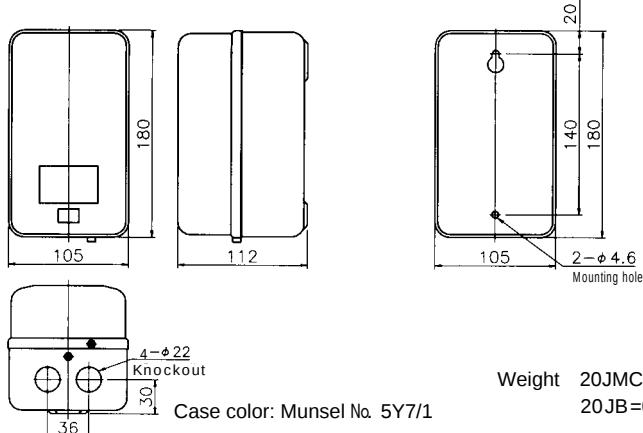
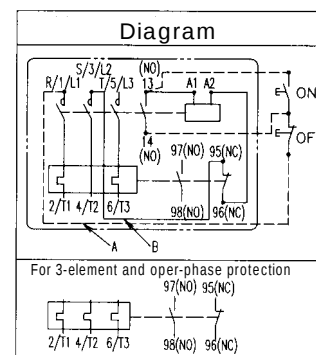
Auxiliary contact	Contact configuration
1NO	S/3/L2 (NO) 13 A1 A2 R/1/L1 T/5/L3 14 (NO) 97(NO) 95(NC) 2/T1 4/T2 6/T3 98(NO) 96(NC)
1NC	S/3/L2 (NC) 31 A1 A2 R/1/L1 T/5/L3 32 (NC) 97(NO) 95(NC) 2/T1 4/T2 6/T3 98(NO) 96(NC)

For 3-element and over-phase protection

97(NO) 95(NC)
2/T1 4/T2 6/T3 98(NO) 96(NC)

Weight 20JTC=0.42kg

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


Weight 20JMC=0.91kg
20JB=0.8kg

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

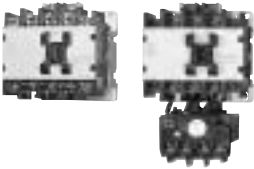
① If operating from other power source, remove " B ", and connect the supply to #95 and " A " on the pushbutton terminal.

PAK-J SERIES DIMENSIONS AND SPECIFICATIONS

STANDARD MODEL

21J

PAK-21J PAK-21JTC



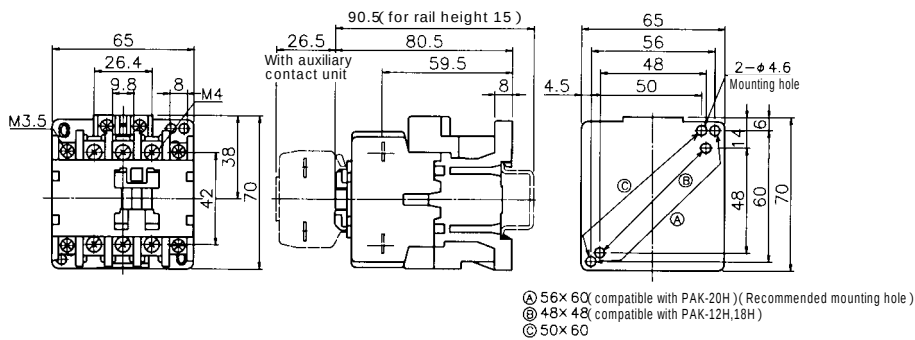
Ratings

Frame		21J
Rated capacity	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 circuit	M4	φ 1 ~ 2 0.5 ~ 3.5mm ²	1.25-4 5.5-4	1.2 ~ 1.8 (12 ~ 18)
	Aux. circuit	M3.5	φ 1 ~ 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	φ 1 ~ 2 0.5 ~ 3.5mm ²	1.25-4 5.5-4	1.2 ~ 1.8 (12 ~ 18)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

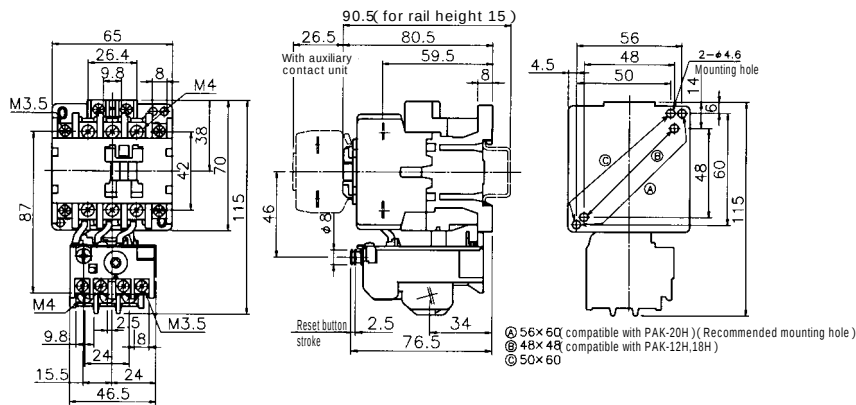
Magnetic contactor (open type) PAK-21J



Auxiliary contact	Contact configuration
1NO1NC	
2NO	
2NC	

Weight 21J=0.36kg

Magnetic starter (open type) PAK-21JTC

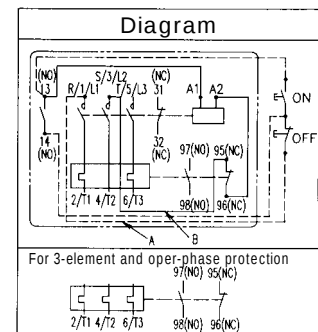
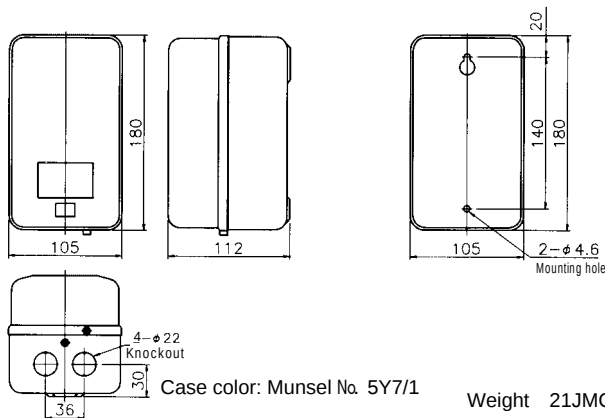


Auxiliary contact	Contact configuration
1NO1NC	
2NO	
2NC	

For 3-element and over-phase protection
 97(NO)95(NC)
 2/71 4/72 6/73 98(NO)96(NC)

Weight 21JTC=0.47kg

Magnetic starter · contactor (enclosed type) PAK-21JMC (JB)



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

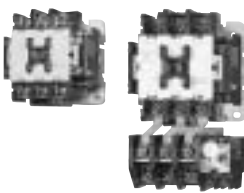
① If operating from other power source, remove " B ", and connect the supply to #95 and " A " on the pushbutton terminal.

PAK-J SERIES DIMENSIONS AND SPECIFICATIONS

STANDARD MODEL

26J • 35J

PAK-26J•35J PAK-26JTC•35JTC



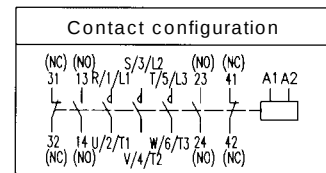
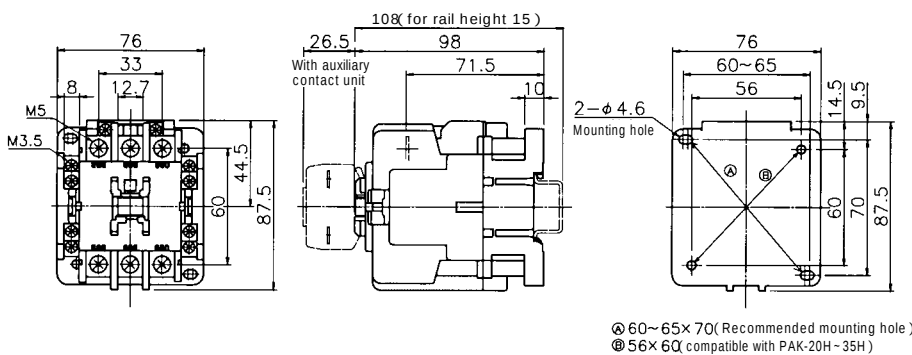
Ratings

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

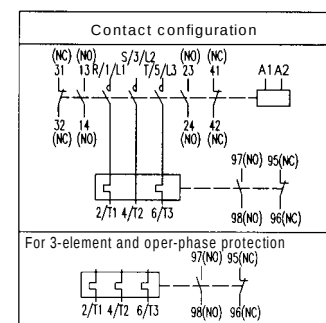
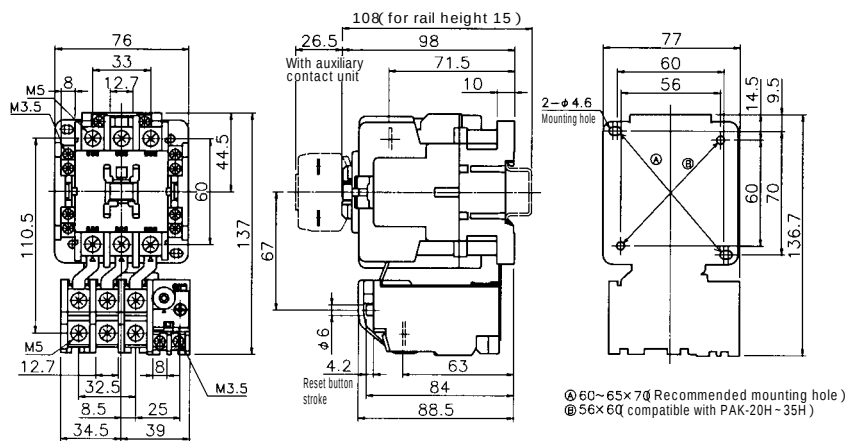
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M5	φ 1.6 ~ 3.2 1.25 ~ 14mm ²	1.25-5 14-5	2.4 ~ 3.5 (24 ~ 36)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)
Thermal overload relay	Main circuit	M5	φ 1.6 ~ 3.2 1.25 ~ 14mm ²	1.25-5 14-5	2.4 ~ 3.5 (24 ~ 36)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

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



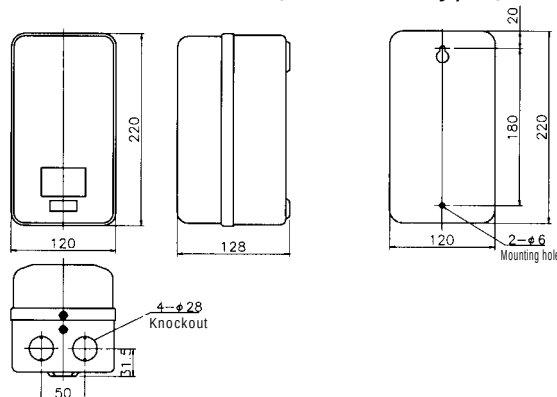
Weight 26J • 35J=0.68kg

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



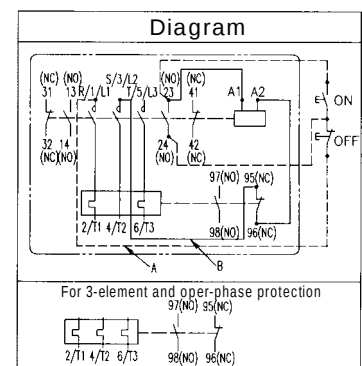
Weight 26JTC • 35JTC=0.91kg

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



Case color: Munsel No. 5Y7/1

Weight 26JMC • 35JMC=1.86kg
26JB • 35JB=1.63kg



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

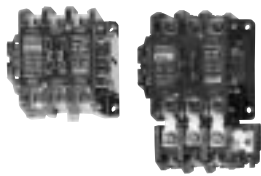
① If operating from other power source, remove " B ", and connect the supply to #95 and " A " on the pushbutton terminal.

PAK-H SERIES DIMENSIONS AND SPECIFICATIONS

STANDARD MODEL

50H·65H

PAK-50H·65H PAK-50HTC·65HTC



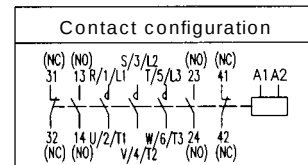
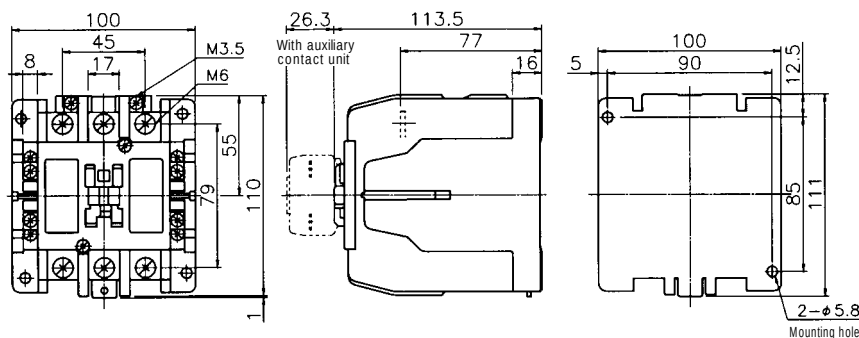
Ratings

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

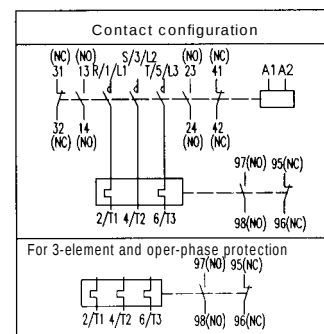
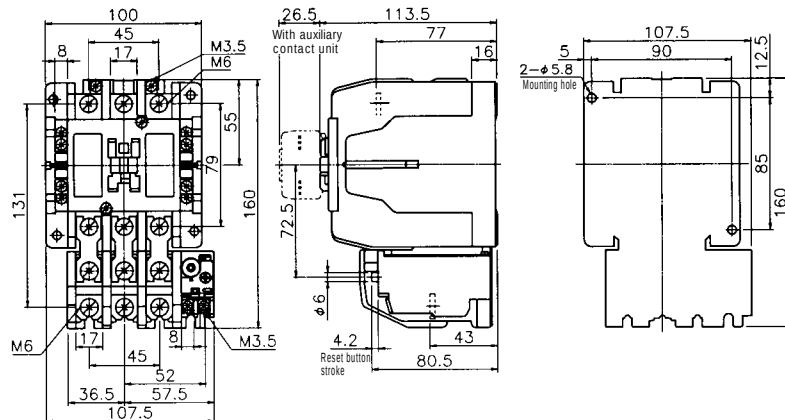
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m (kgf·cm)
Contactor	Main circuit	M6	2 ~ 38mm ² Using crimped terminals	2-6 38-6S	3.9 ~ 5.9 (40 ~ 60)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)
Thermal overload relay	Main circuit	M6	2 ~ 38mm ² Using crimped terminals	2-6 38-6S	3.9 ~ 5.9 (40 ~ 60)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

Magnetic contactor (open type) PAK-50H · 65H



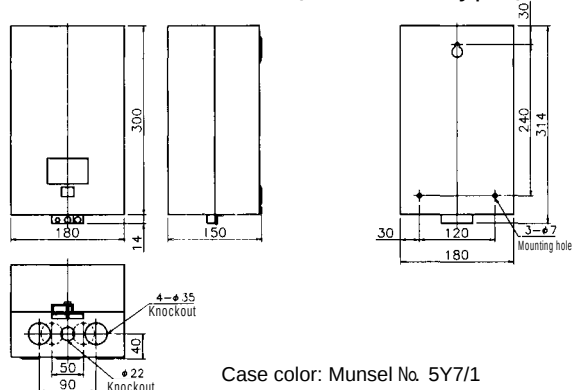
Weight 50H = 1.3kg , 65H = 1.5kg

Magnetic starter (open type) PAK-50HTC · 65HTC



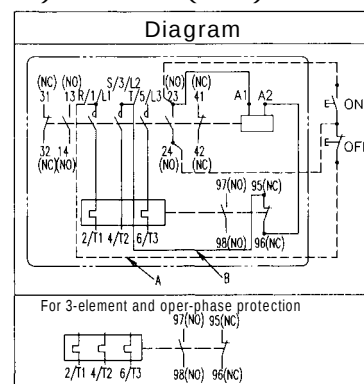
Weight 50HTC = 1.7kg , 65HTC = 1.9kg

Magnetic starter · contactor (enclosed type) PAK-50HMC (HB) · 65HMC (HB)



Case color: Munsel No. 5Y7/1

Weight 50HMC = 3.78kg , 65HMC = 4.57kg
50HB = 3.38kg , 65HB = 4.17kg



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

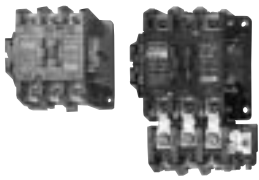
① If operating from other power source, remove " B ", and connect the supply to #95 and " A " on the pushbutton terminal.

PAK-H SERIES DIMENSIONS AND SPECIFICATIONS

STANDARD MODEL

80H

PAK-80H PAK-80HTC



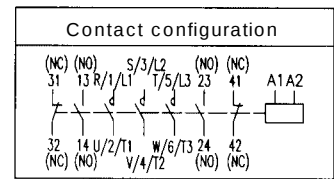
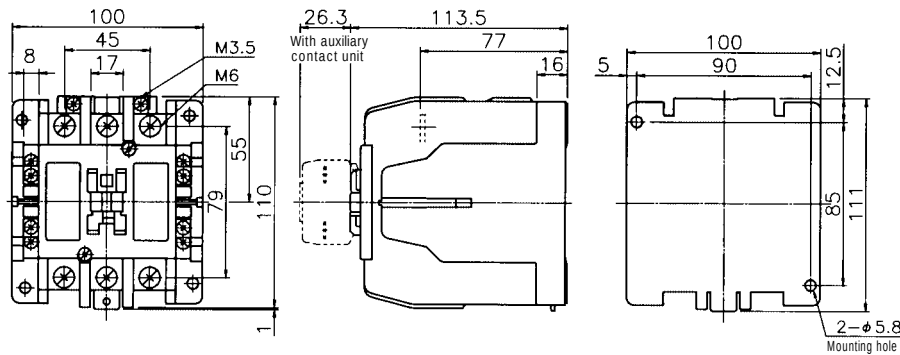
Ratings

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

Applicable wire size and tightening torque

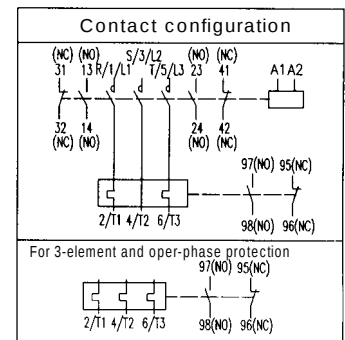
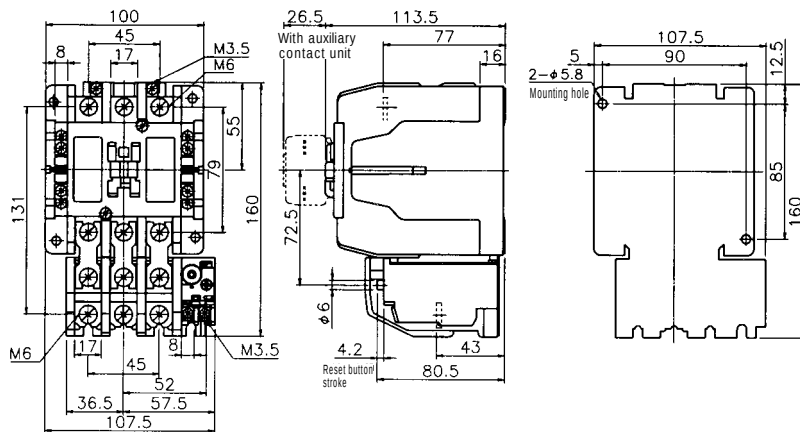
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M6	2 ~ 38mm ² Using crimped terminals	2-6 38-6S	3.9 ~ 5.9 (40 ~ 60)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)
Thermal overload relay	Main circuit	M6	2 ~ 38mm ² Using crimped terminals	2-6 38-6S	3.9 ~ 5.9 (40 ~ 60)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

Magnetic contactor (open type) PAK-80H



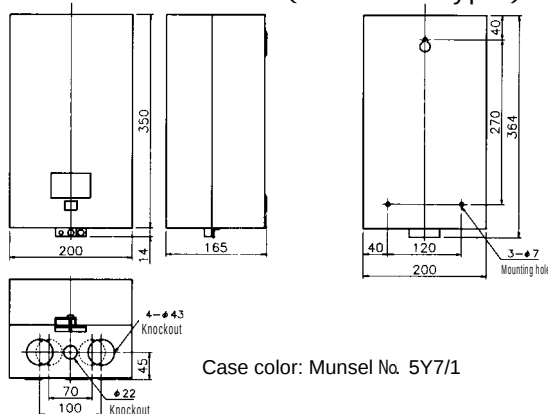
Weight 1.5kg

Magnetic starter (open type) PAK-80HTC

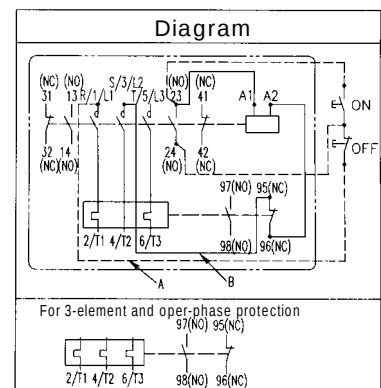


Weight 1.9kg

Magnetic starter · contactor (enclosed type) PAK-80HMC (HB)



Case color: Munsel No. 5Y7/1



Weight 80HMC = 4.57kg

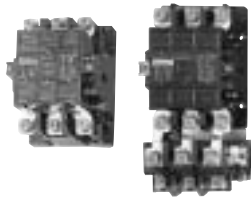
80HB = 4.17kg

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.

100H

PAK-100H PAK-100HTC



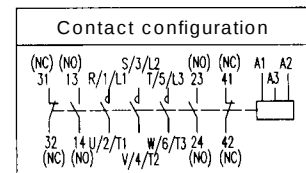
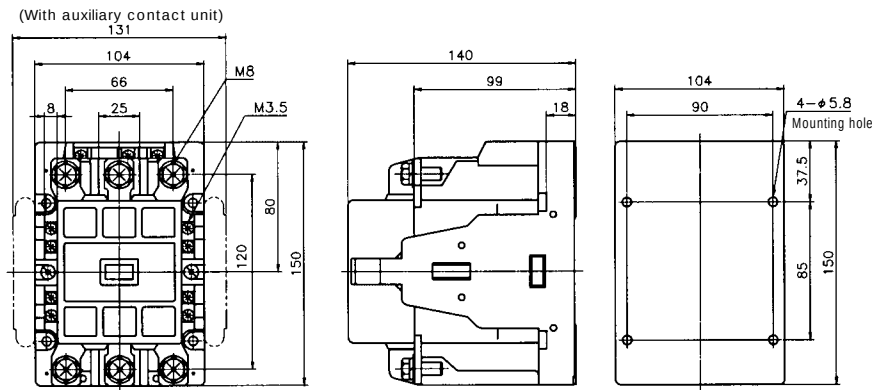
Ratings

Frame		100H
Rated capacity	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

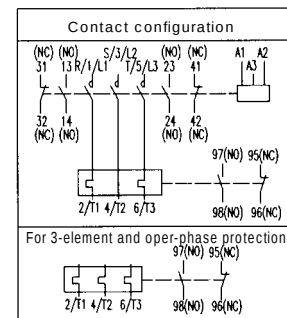
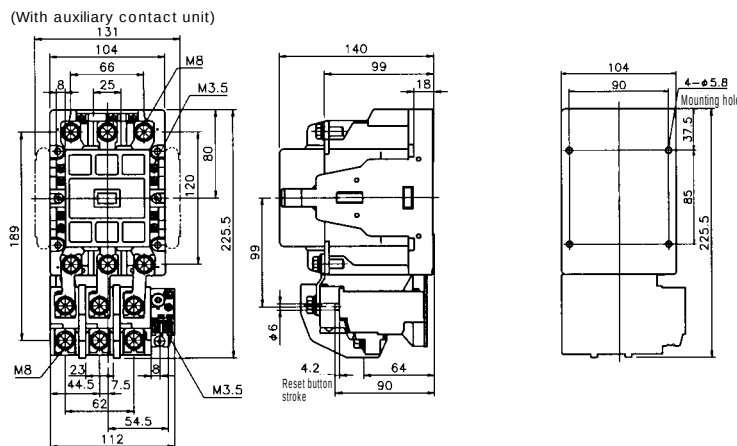
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M8	2 ~ 80mm ² Using crimped terminals	2-8 CB80-8	9.0 ~ 13.5 (92 ~ 138)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)
Thermal overload relay	Main circuit	M8	2 ~ 80mm ² Using crimped terminals	2-8 CB80-8	9.0 ~ 13.5 (92 ~ 138)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

Magnetic contactor (open type) PAK-100H



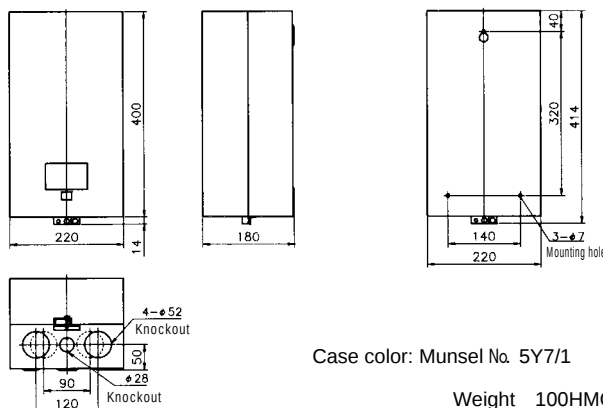
Weight 2.9kg

Magnetic starter (open type) PAK-100HTC

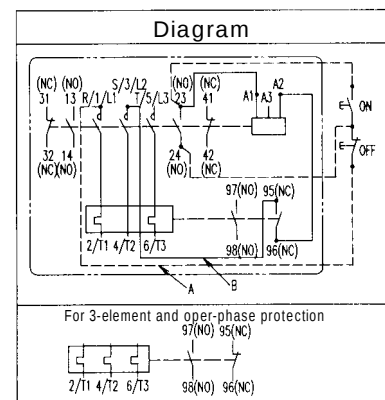


Weight 3.7kg

Magnetic starter · contactor (enclosed type) PAK-100HMC (HB)



Case color: Munsel No. 5Y7/1

Weight 100HMC = 7.8kg
100HB = 7.0kg

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

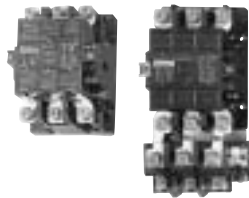
① If operating from other power source, remove " B ", and connect the supply to #95 and " A " on the pushbutton terminal.

PAK-H SERIES DIMENSIONS AND SPECIFICATIONS

STANDARD MODEL

125H

PAK-125H PAK-125HTC



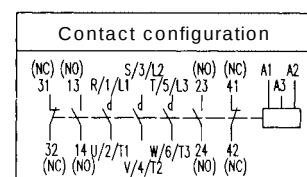
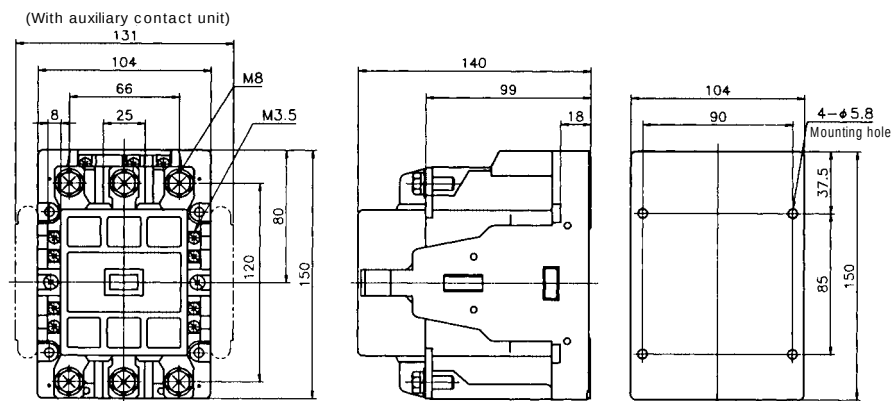
Ratings

Frame		125H
Rated capacity	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

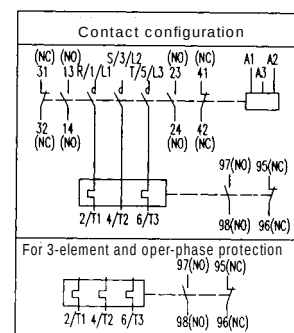
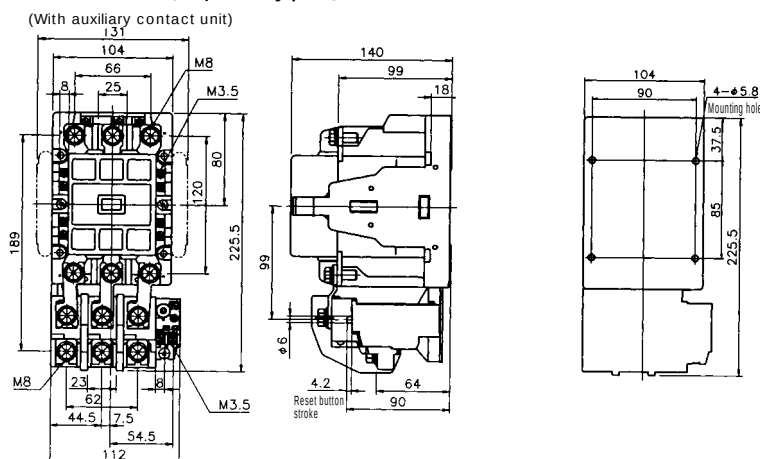
		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M8	2 ~ 80mm ² Using crimped terminals	2-8 CB80-8	9.0 ~ 13.5 (92 ~ 138)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)
Thermal overload relay	Main circuit	M8	2 ~ 80mm ² Using crimped terminals	2-8 CB80-8	9.0 ~ 13.5 (92 ~ 138)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

Magnetic contactor (open type) PAK-125H



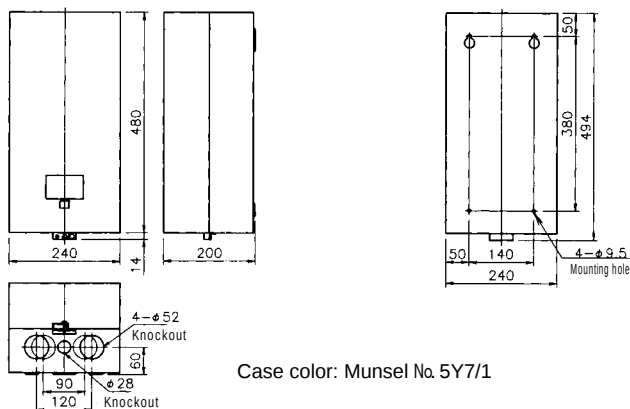
Weight 2.9kg

Magnetic starter (open type) PAK-125HTC

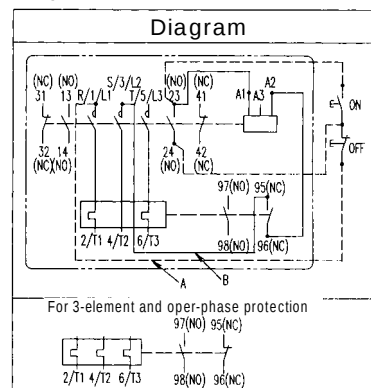


Weight 3.7kg

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



Case color: Munsel No. 5Y7/1



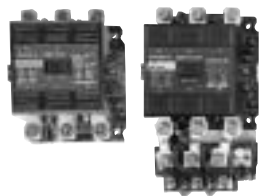
Weight 125HMC = 9.6kg
125HB = 8.8kg

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.

150H

PAK-150H PAK-150HTC



Ratings

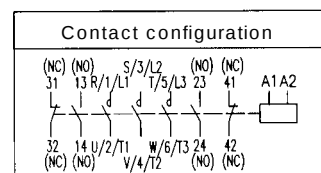
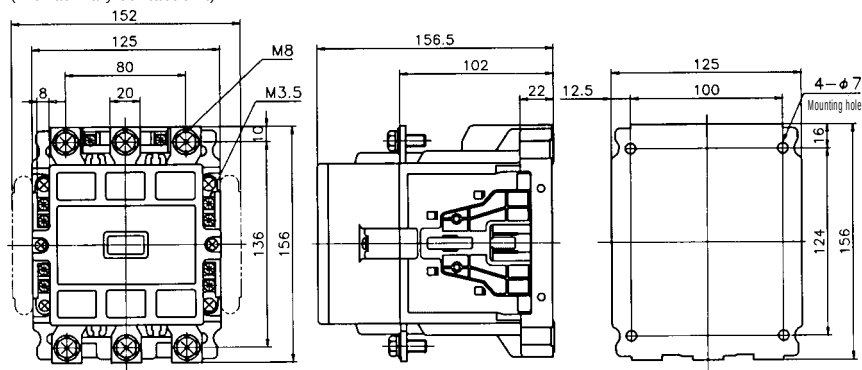
Frame		150H
Rated capacity	AC-3 (kW)	220V 55
		440V 75
		550V 75
	AC-1 (A) (500,000 ops)	220V 220
		440V 220
		550V 220

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	φ 1 ~ 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	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

Magnetic contactor (open type) PAK-150H

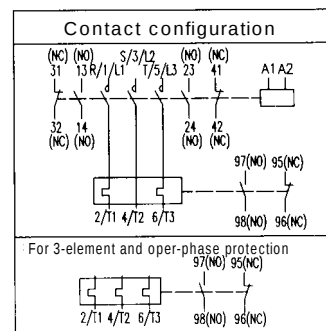
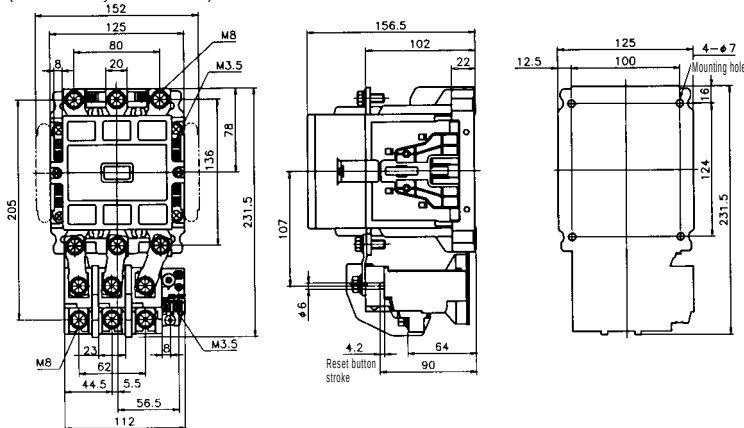
(With auxiliary contact unit)



Weight 3.5kg

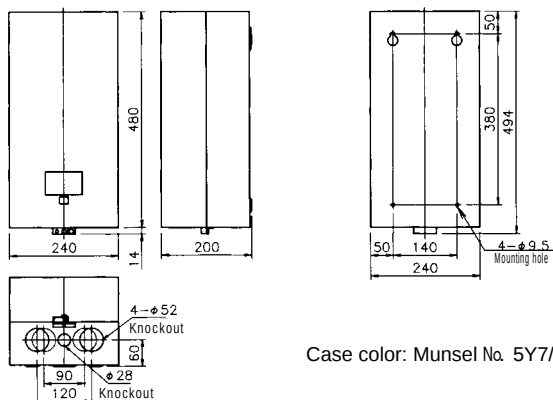
Magnetic starter (open type) PAK-150HTC

(With auxiliary contact unit)

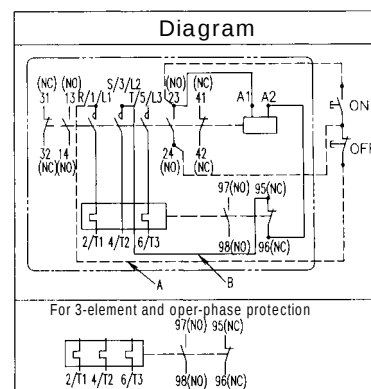


Weight 4.6kg

Magnetic starter · contactor (enclosed type) PAK-150HMC (HB)



Case color: Munsel No. 5Y7/1



Weight 150HMC = 10.2kg

150HB = 9.7kg

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

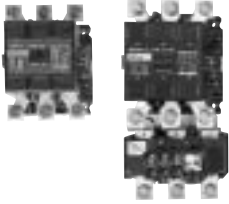
① If operating from other power source, remove " B ", and connect the supply to #95 and " A " on the pushbutton terminal.

PAK-H SERIES DIMENSIONS AND SPECIFICATIONS

STANDARD MODEL

220H

PAK-220H PAK-220HTC



Ratings

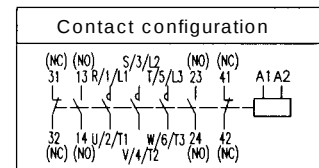
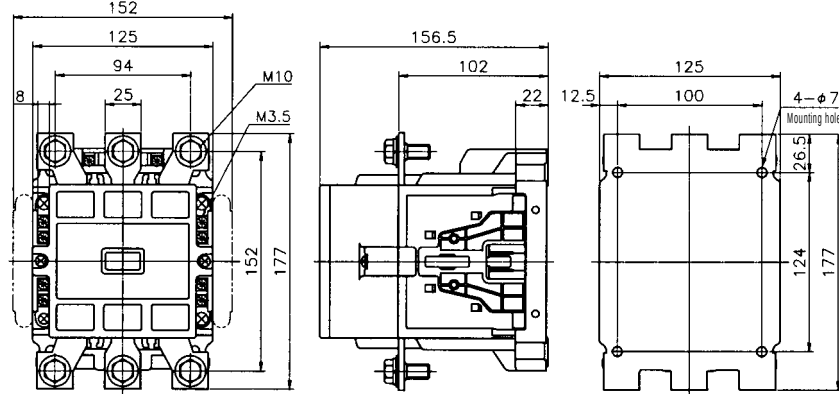
Rated capacity	Frame		220H
	AC-3 (kW)	220V	75
		440V	95
		550V	95
	AC-1 (A) (500,000 ops)	220V	275
		440V	275
		550V	275

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	2-10 150-10	18.1 ~ 27 (185 ~ 275)
	Aux. circuit	M3.5	φ 1 ~ 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	2-10 150-10	18.1 ~ 27 (185 ~ 275)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

Magnetic contactor (open type) PAK-220H

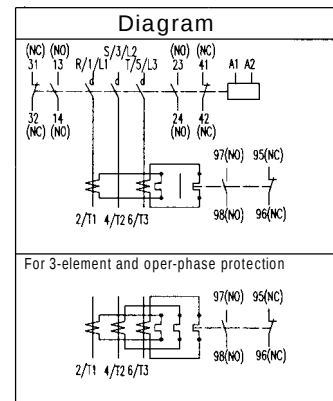
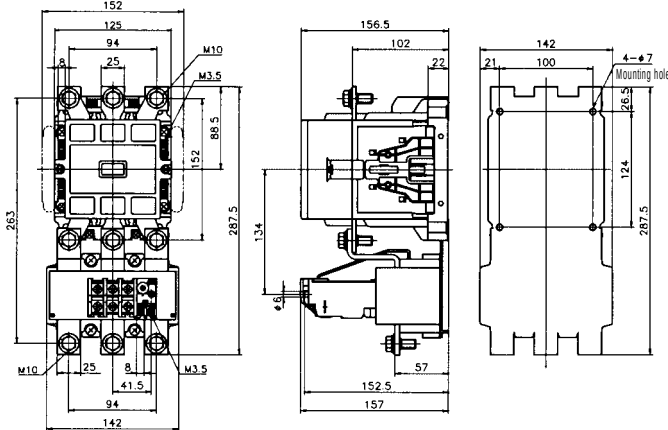
(With auxiliary contact unit)



Weight 4.0kg

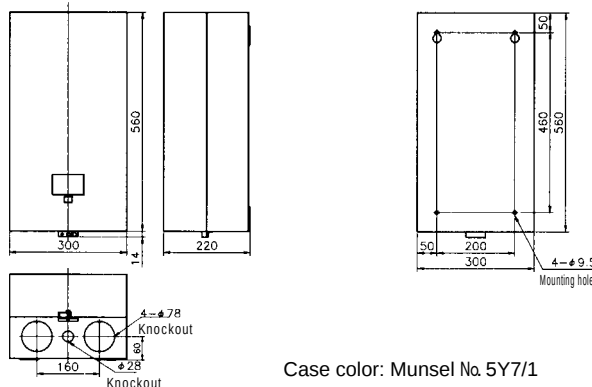
Magnetic starter (open type) PAK-220HTC

(With auxiliary contact unit)

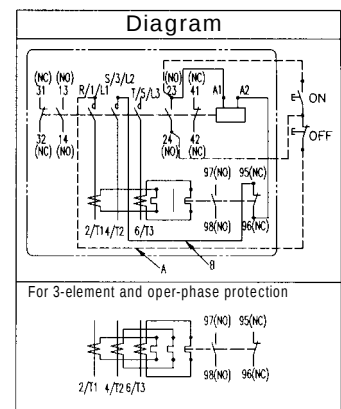


Weight 6.3kg

Magnetic starter (enclosed type) PAK-220HMC (HB)



Case color: Munsel No. 5Y7/1



Weight 220HMC = 13.3kg
220HB = 11.0kg

Dashed lines not connected.
Above diagram for magnetic starter.

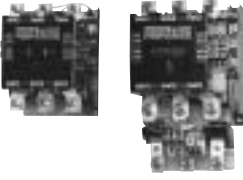
① If operating from other power source, remove " B ", and connect the supply to #95 and " A " on the pushbutton terminal.

PAK-H SERIES DIMENSIONS AND SPECIFICATIONS

STANDARD MODEL

300H • 400H

PAK-300H • 400H PAK-300HT • 400HT



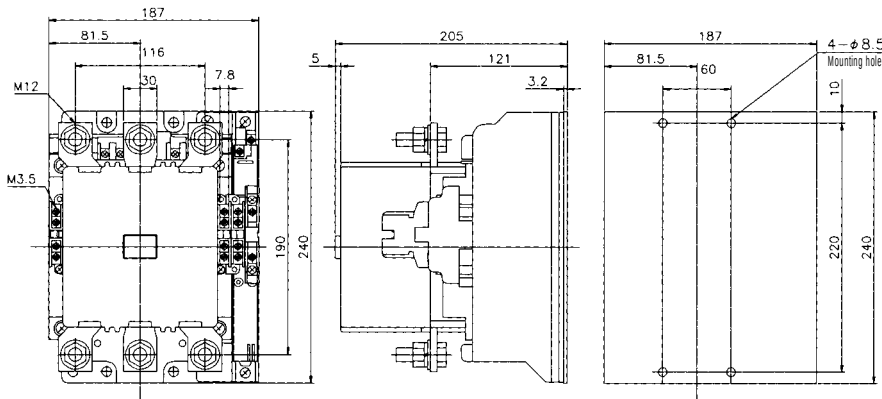
Ratings

Rated capacity	Frame		300H	400H
	AC-3 (kW)	220V	90	115
		440V	150	200
		550V	160	-
	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	φ 1 ~ 2 0.5 ~ 3.5mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)
Thermal overload relay	Main circuit	M12	2 ~ 200mm ²	2-12 200-12	30.4 ~ 46.1 (310 ~ 470)
	Aux. circuit	M3.5	φ 1 ~ 1.6 0.5 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

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

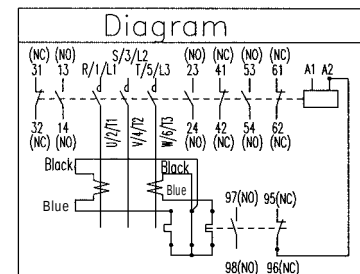
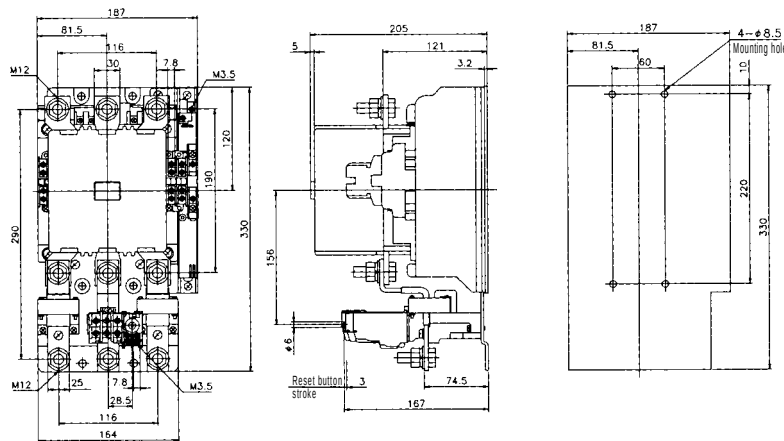


Contact configuration

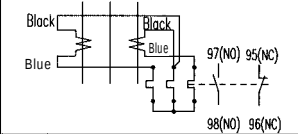
(NC)	(NO)	S/3/L2	(NC)	(NC)	(NO)	(NC)	
31	13	R/1/L1	23	41	53	61	A1 A2
32	14	U/2/T1	24	42	54	62	
(NC)	(NO)	V/4/T2	(NO)	(NC)	(NO)	(NC)	

Weight 9.7kg

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

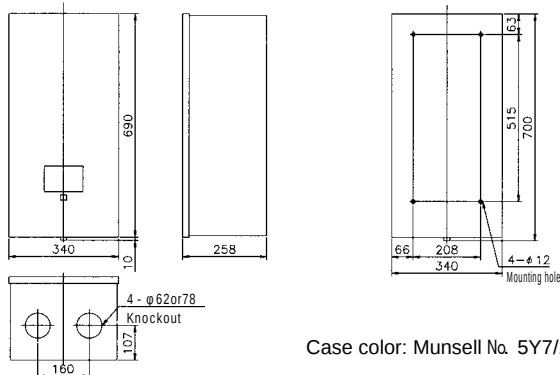


For oper-phase protection



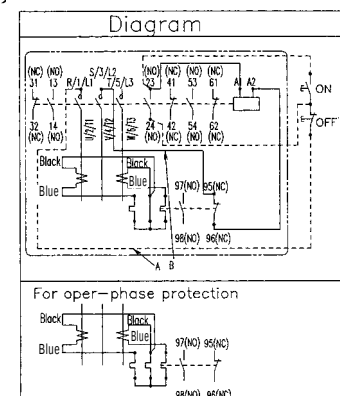
Weight 13kg

Magnetic starter (enclosed type) PAK-300HM(HB)•400HM(HB)

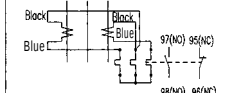


Case color: Munsell No. 5Y7/1

Weight 300HM • 400HM=25kg
300HB • 400HB=22kg



For oper-phase protection



Dashed lines not connected.
Above diagram for magnetic starter.

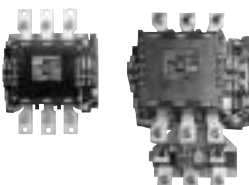
① If operating from other power source, remove "B", and connect the supply to #95 and "A" on the pushbutton terminal.

PAK-H SERIES DIMENSIONS AND SPECIFICATIONS

STANDARD MODEL

600H

PAK-600H PAK-600HT



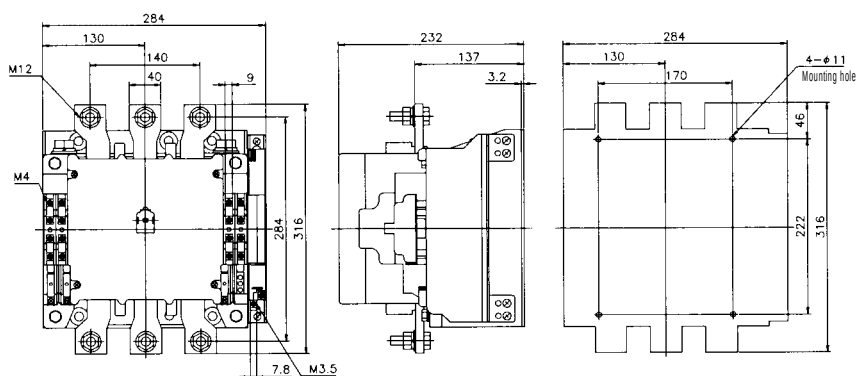
Ratings

Rated capacity	Frame		600H
	AC-3 (kW)	220V	160
		440V	300
		550V	300
	AC-1 (A) (500,000 ops)	220V	600
		440V	600
		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	M4 M3.5	φ 1.6 1.25 ~ 2mm ²	1.25-4 2-4	1.2 ~ 1.8 (12 ~ 18)
Thermal overload relay	Main circuit	M12	2 ~ 200mm ²	2-12 200-12	30.4 ~ 46.1 (310 ~ 470)
	Aux. circuit	M3.5	φ 1.6 1.25 ~ 2mm ²	1.25-3.5 2-3.5	0.8 ~ 1.2 (8 ~ 12)

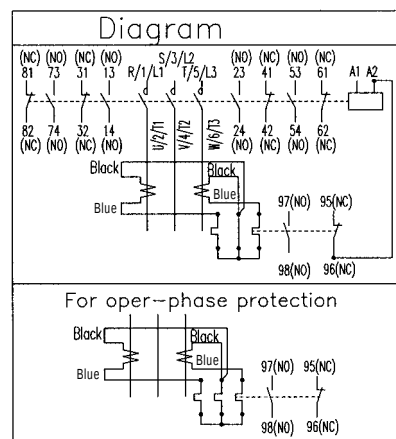
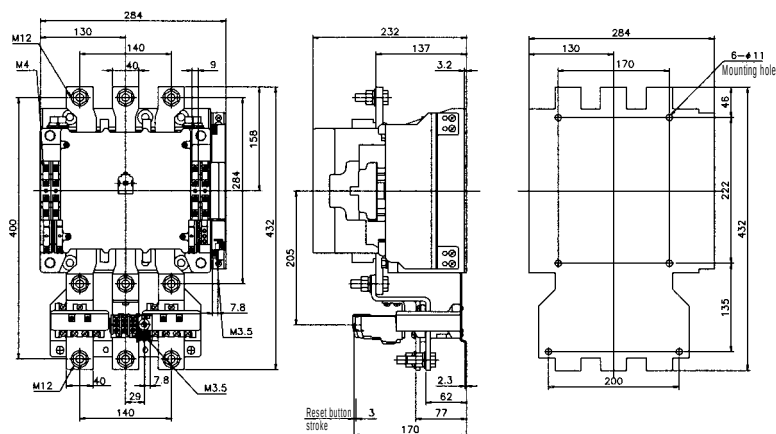
Magnetic contactor (open type) PAK-600H



Contact configuration											
(NC)	(NC)	(NC)	(NO)	S/3/L2	(NO)	(NC)	(NO)	(NC)		A1	A2
81	73	31	13	R/1/L1	1/5/L3	23	41	53	61		
				d	d						
82	74	32	14	U/2/T1	W/6/T3	24	42	54	62		
(NC)	(NO)	(NC)	(NO)	V/4/T2		(NO)	(NC)	(NO)	(NC)		

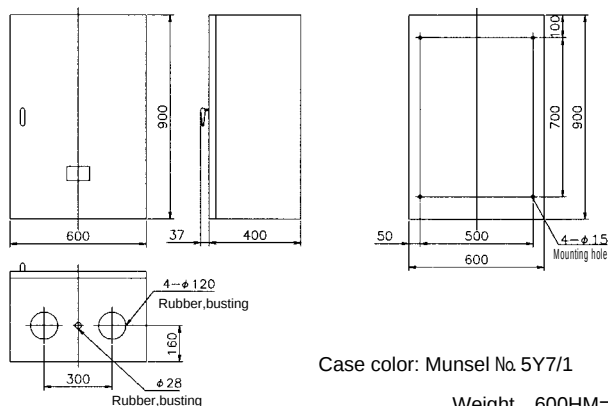
Weight 22kg

Magnetic starter (open type) PAK-600HT



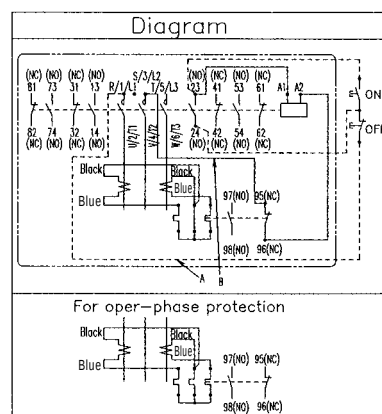
Weight 28kg

Magnetic starter (enclosed type) PAK-600HM(HB)



Case color: Munsel No. 5Y7/1

Weight 600HM=62kg
600HB=50Kg



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

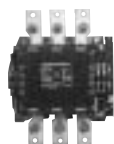
① If operating from other power source, remove "B", and connect the supply to #95 and "A" on the pushbutton terminal.

PAK-H SERIES DIMENSIONS AND SPECIFICATIONS

STANDARD MODEL

800H

PAK-800H



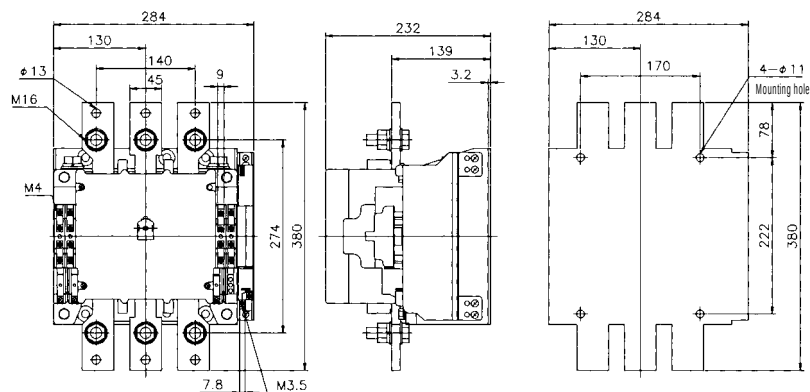
Ratings

Rated capacity	Frame		800H
	AC-2 (kW)	220V	200
		440V	400
		550V	-
	AC-1 (A) (100,000 ops)	220V	800
		440V	800
		550V	-

Applicable wire size and tightening torque

		Screw size	Applicable wire size	Applicable terminal connector	Tightening torque N·m(kgf·cm)
Contactor	Main circuit	M16	2 ~ 325mm ²	2-16 325-16	75.5 ~ 114.7 (770 ~ 1170)
	Aux. circuit	M4	φ 1 ~ 2 0.5 ~ 3.5mm ²	1.25-4 2-4	1.2 ~ 1.8 (12 ~ 18)

Magnetic contactor (open type) PAK-800H



Contact configuration											
(NC)	(NO)	(NC)	(NO)	S/3/A2	(NO)	(NC)	(NO)	(NC)			
81	73	51	15	R/1/A1	23	41	53	61	A1	A2	
				V/5/L3							
				V/4/72							
82	74	52	14	U/2/11	24	42	54	62			
(NC)	(NO)	(NC)	(NO)		(NO)	(NC)	(NO)	(NC)			

Weight 25kg