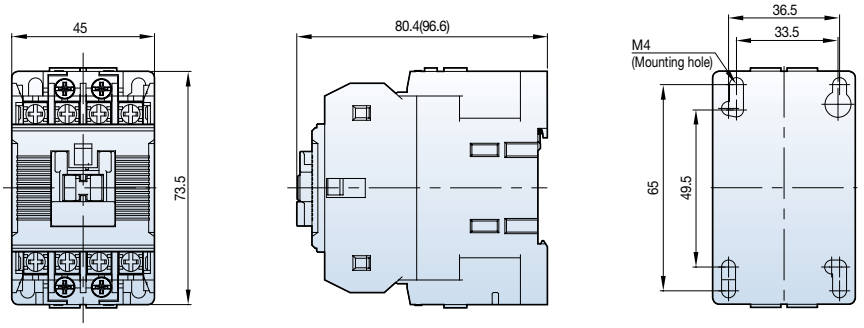
Contactor relays dimension

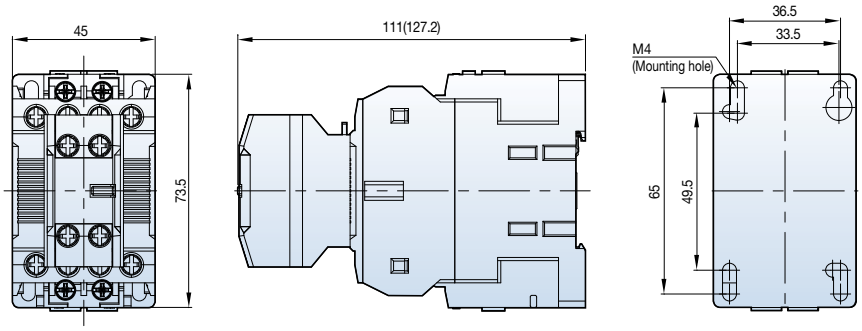
[mm]

MR-4 (D)



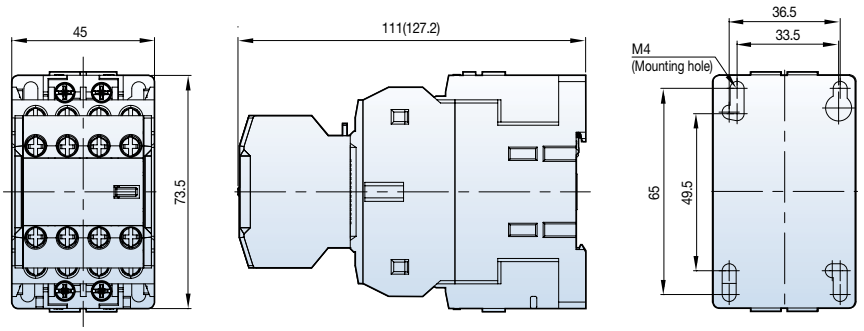
284g

MR-6 (D)



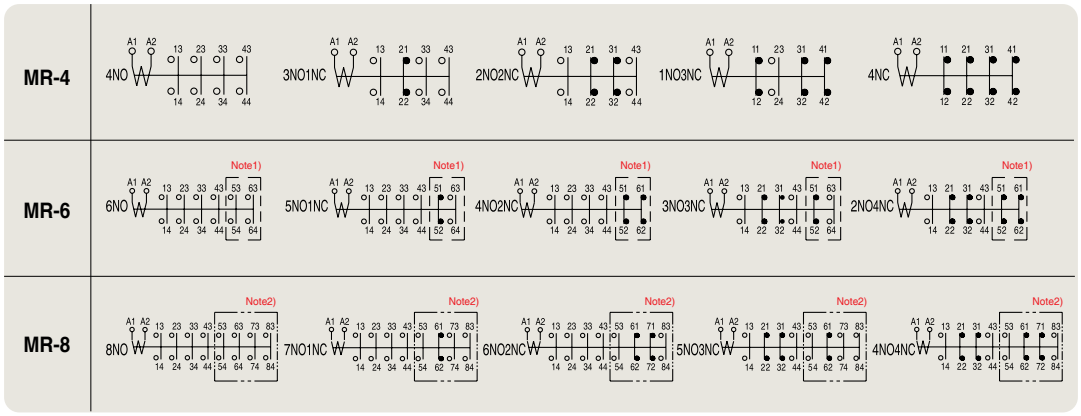
315g

MR-8 (D)



339g

Composition



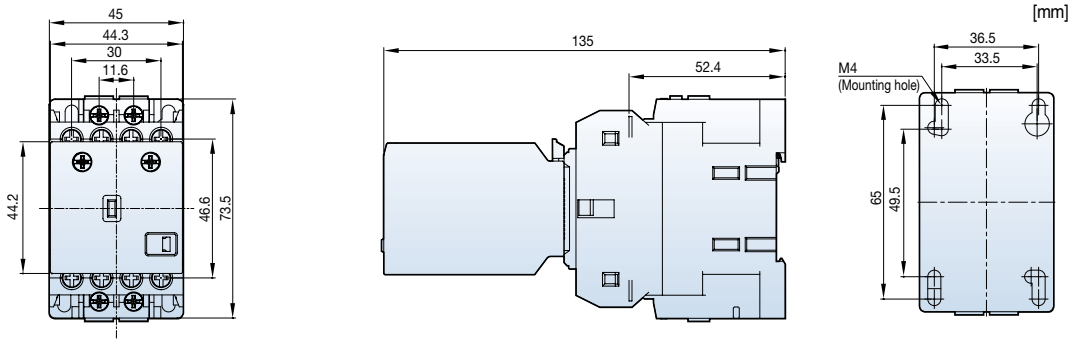
Note) 1. UA-2: Auxiliary contact units 2. UA-4: Auxiliary contact units
Please refer to the contact diagram represented on catalog when contactor relays MR-4, 4D and auxiliary contact units UA-2,4 are purchased separately.
Be sure to order the auxiliary contact units separately except for the above contact units. • ( ) : Dimension for DC control contactor relays

Latching contactors dimension (18AF/22AF)

[mm]

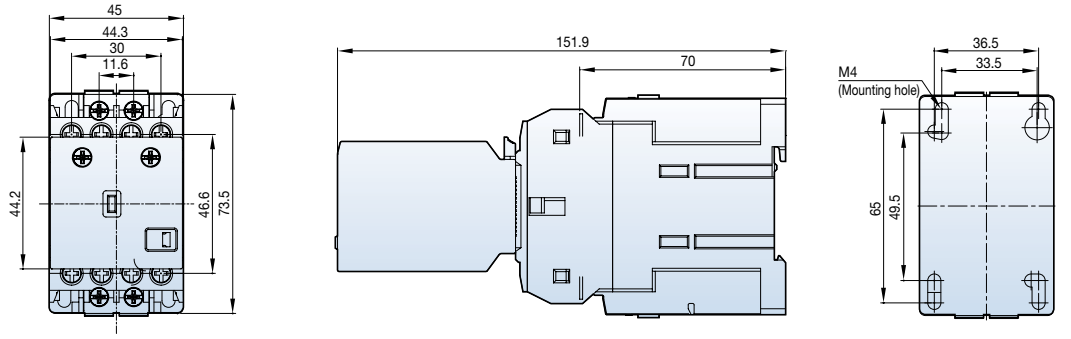
MC-6a~18a AC

1NO or 1NC + ML-65



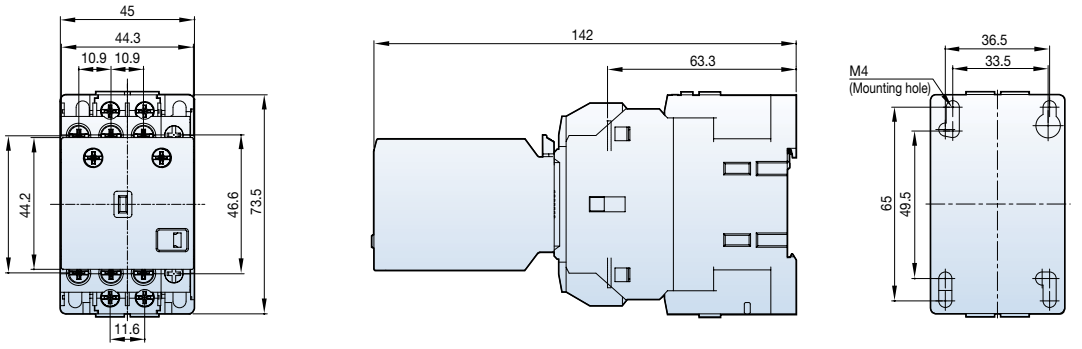
MC-6a~18a DC

1NO or 1NC + ML-65



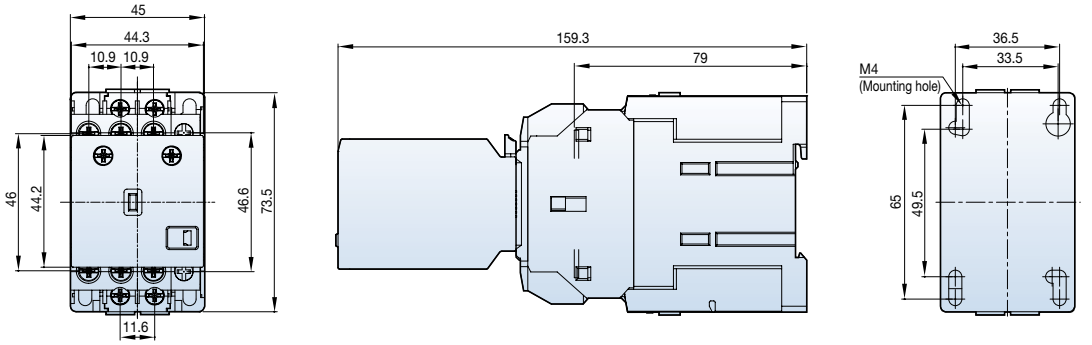
MC-9b~22b AC

1NO1NC + ML-65



MC-9b~22b DC

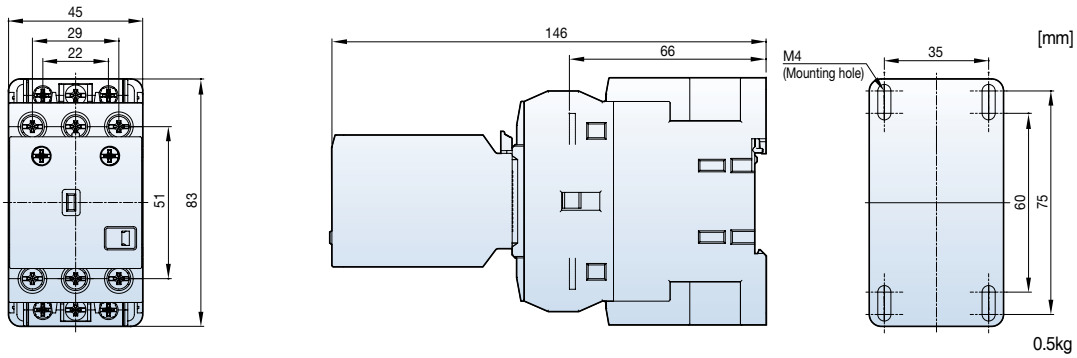
1NO1NC + ML-65



Latching contactors dimension (40AF)

MC-32a~40a AC

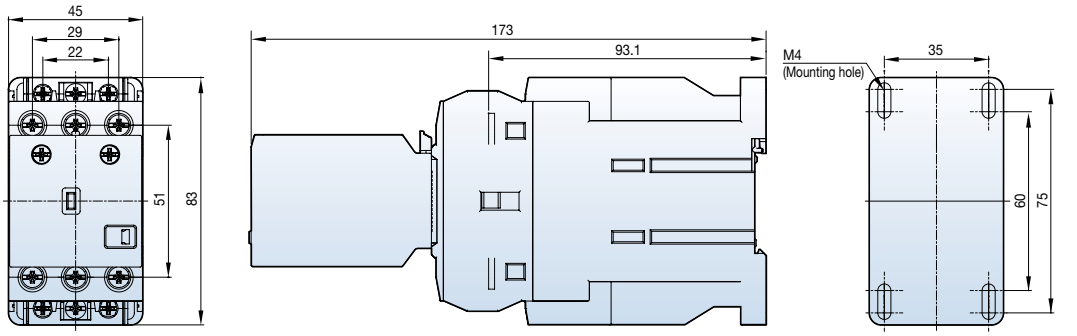
+ML-65



0.5kg

MC-32a~40a DC

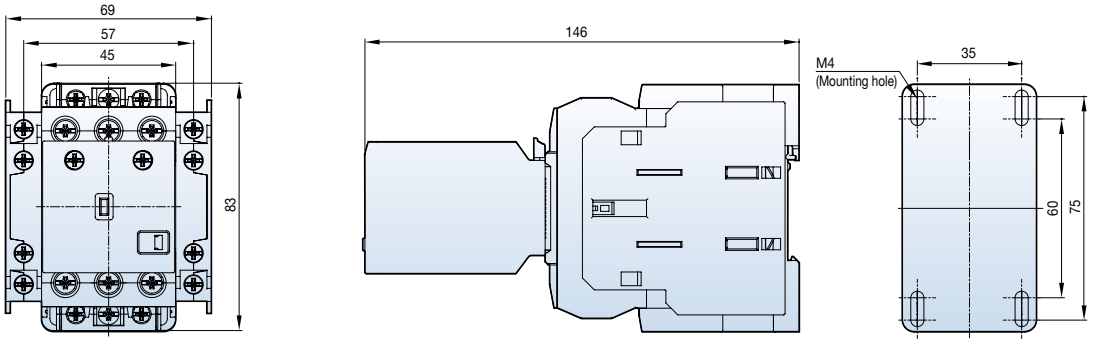
+ ML-65



0.8kg

MC-32a~40a AC

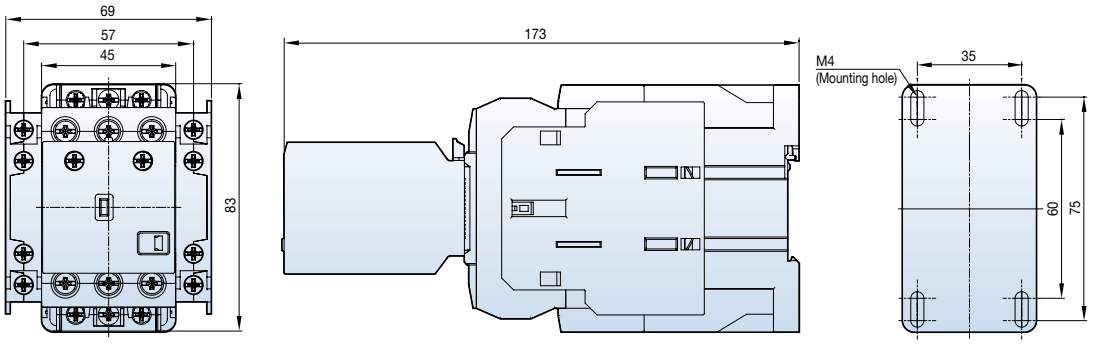
2NO2NC + ML-65



1kg

MC-32a~40a DC

2NO2NC + ML-65



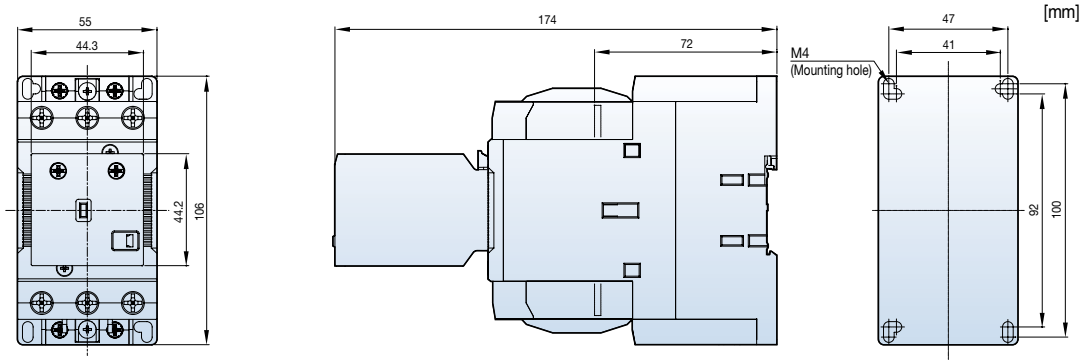
1.3kg

Latching contactors dimension (65AF)

[mm]

MC-50a~65a AC

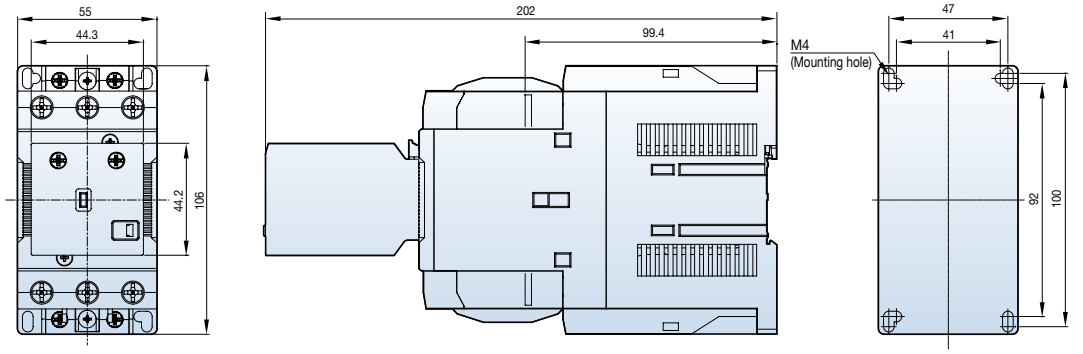
+ ML-65



1.9kg

MC-50a~65a DC

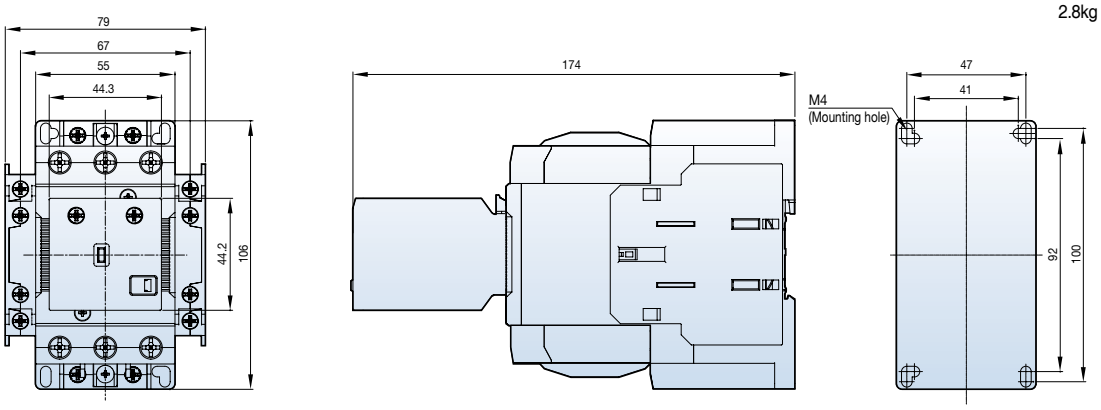
+ ML-65



2.8kg

MC-50a~65a AC

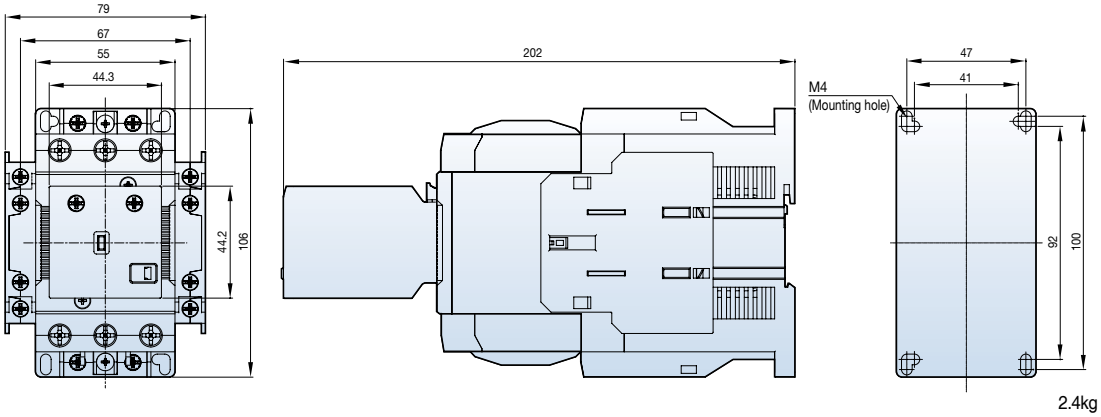
2NO2NC + ML-65



2.4kg

MC-50a~65a DC

2NO2NC + ML-65



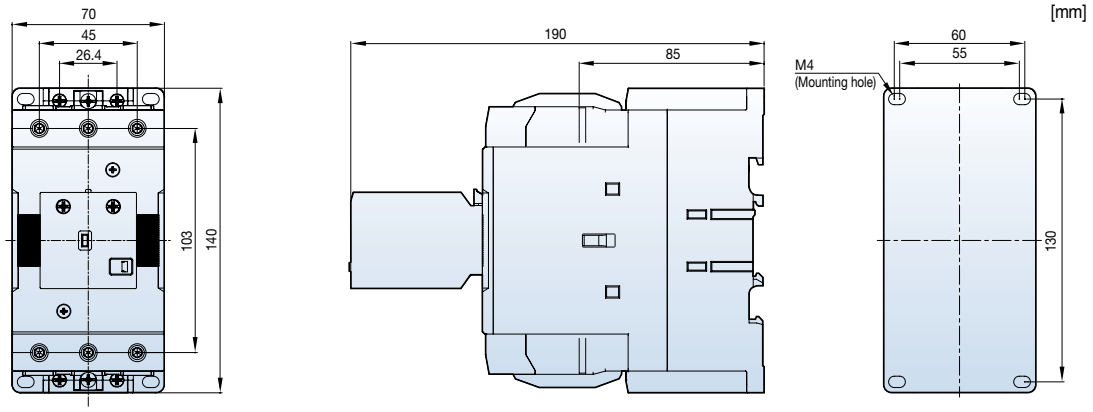
2.4kg

Latching contactors dimension (100AF)

[mm]

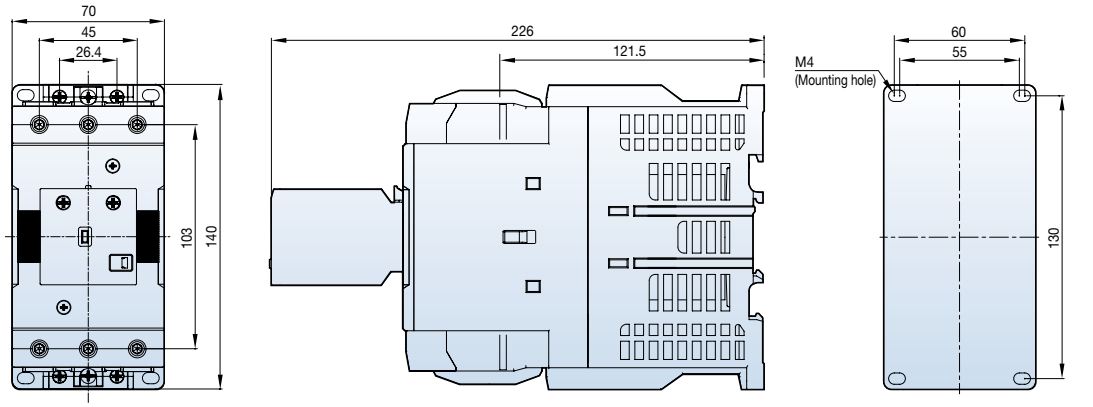
MC-75a~100a AC

+ ML-150



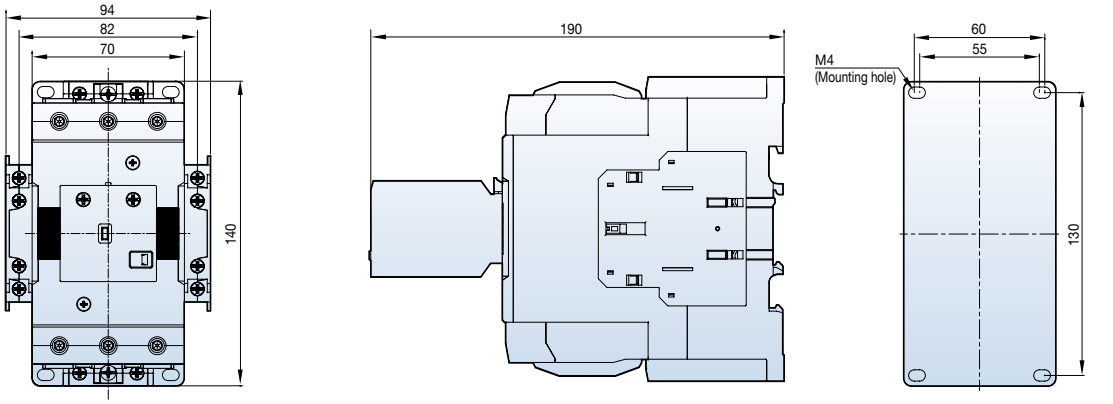
MC-75a~100a DC

+ ML-150



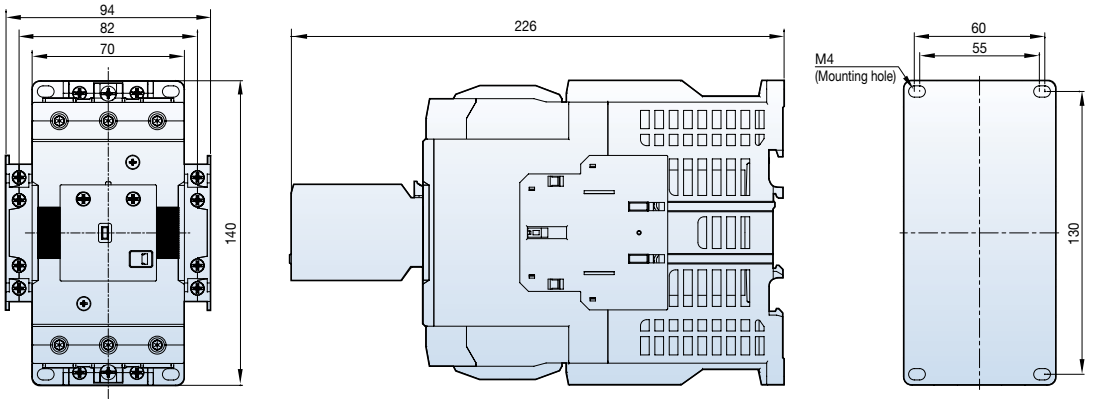
MC-75a~100a AC

2NO2NC + ML-150



MC-75a~100a DC

2NO2NC + ML-150

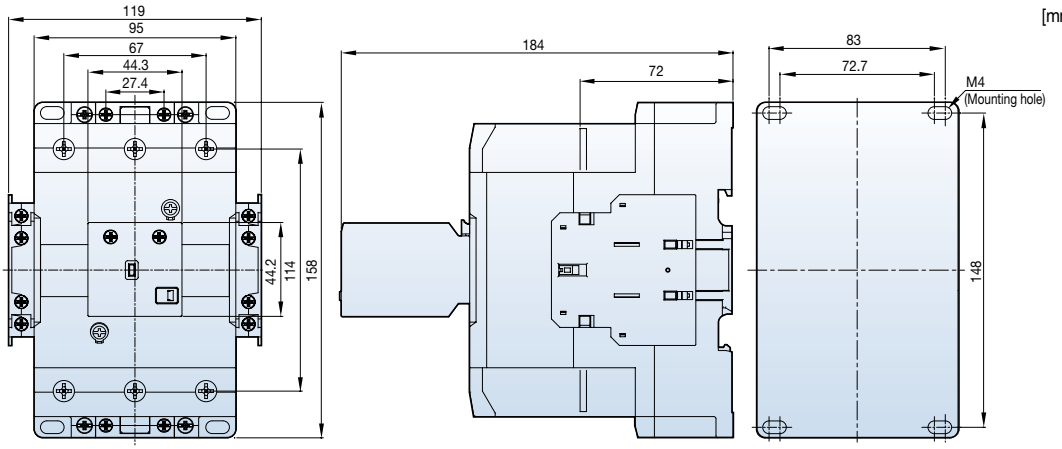


Latching contactors dimension (150AF~400AF)

MC-130a~150a

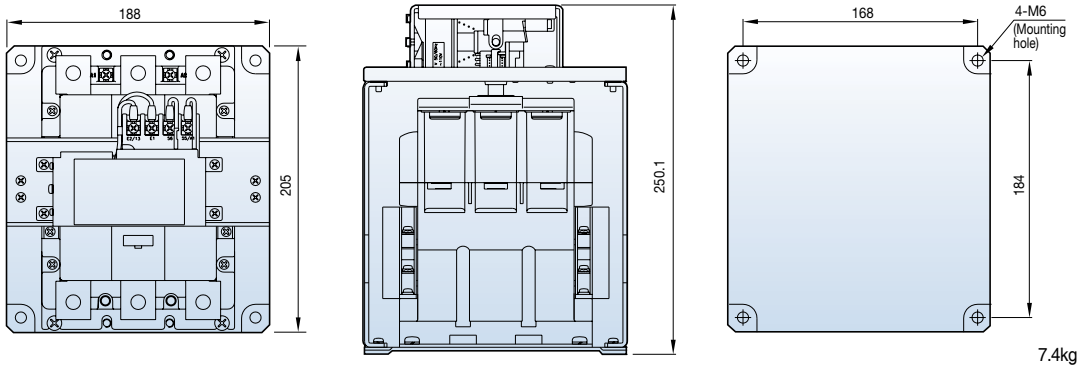
2NO2NC + ML-150

[mm]



MC-185a

MC-225a

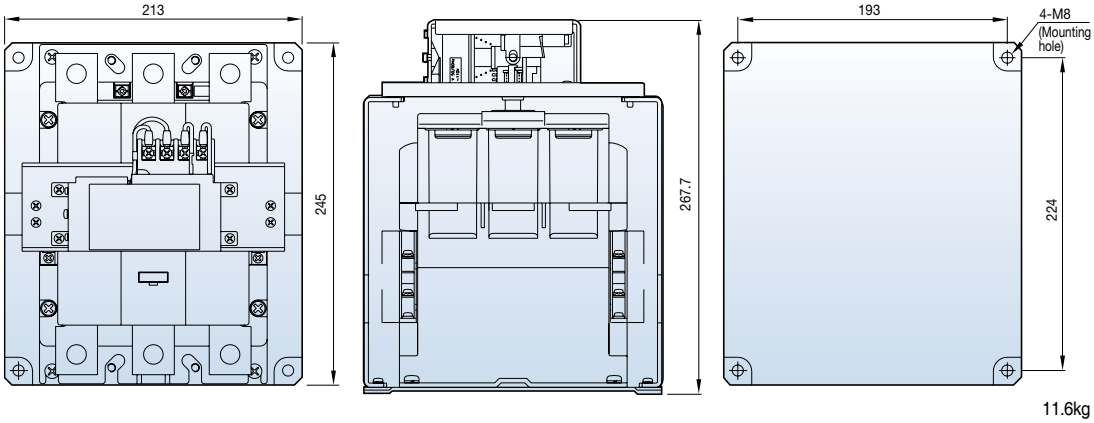


7.4kg

MC-265a

MC-330a

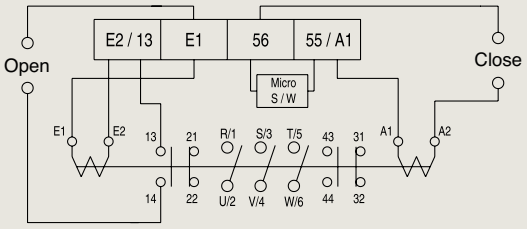
MC-400a



11.6kg

Composition

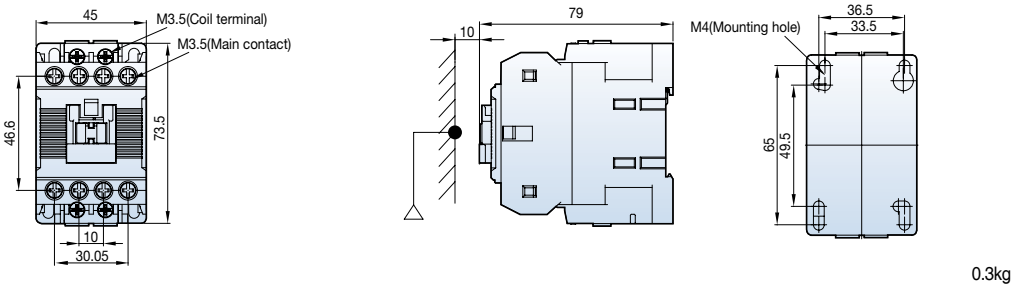
MC-185a/L~400a/L



4-pole contactors dimension (MC-6a/4~22a/4)

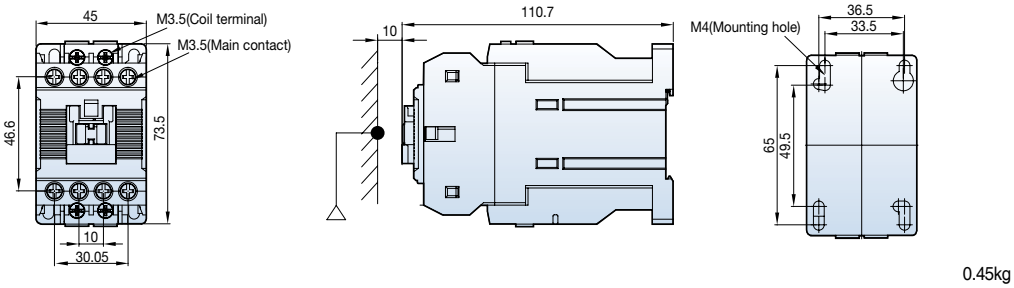
[mm]

MC-6a/4~18a/4 AC



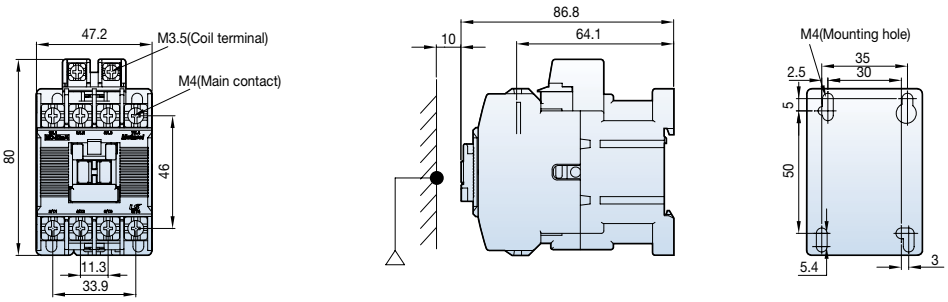
0.3kg

MC-6a/4~18a/4 DC



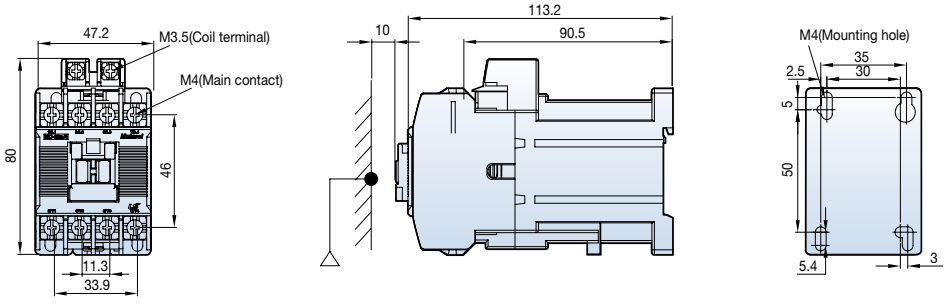
0.45kg

MC-22a/4 AC



0.4kg

MC-22a/4 DC

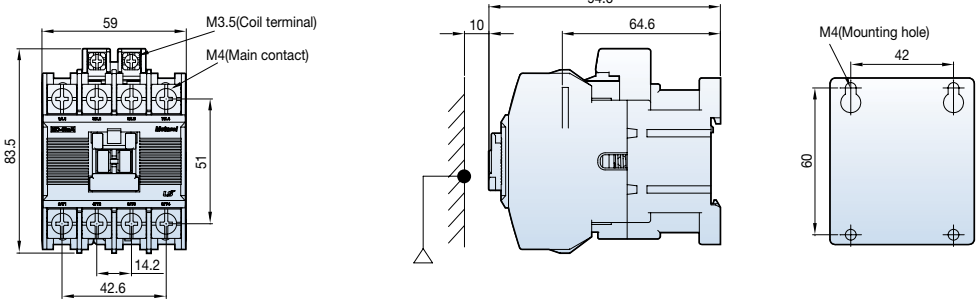


0.5kg

4-pole contactors dimension (MC-32a/4~85a/4)

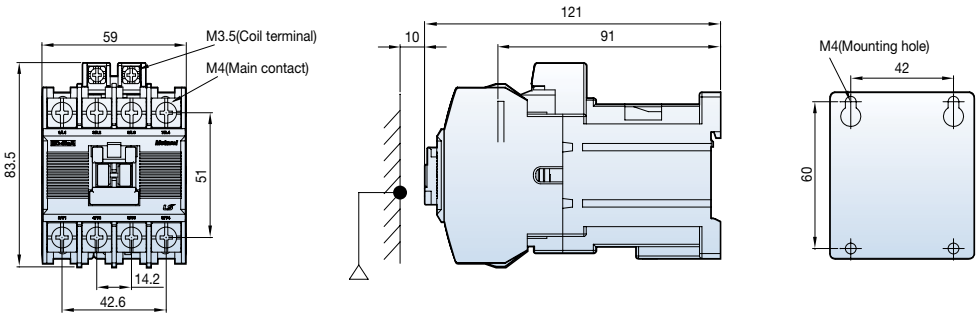
[mm]

MC-32a/4~40a/4 AC



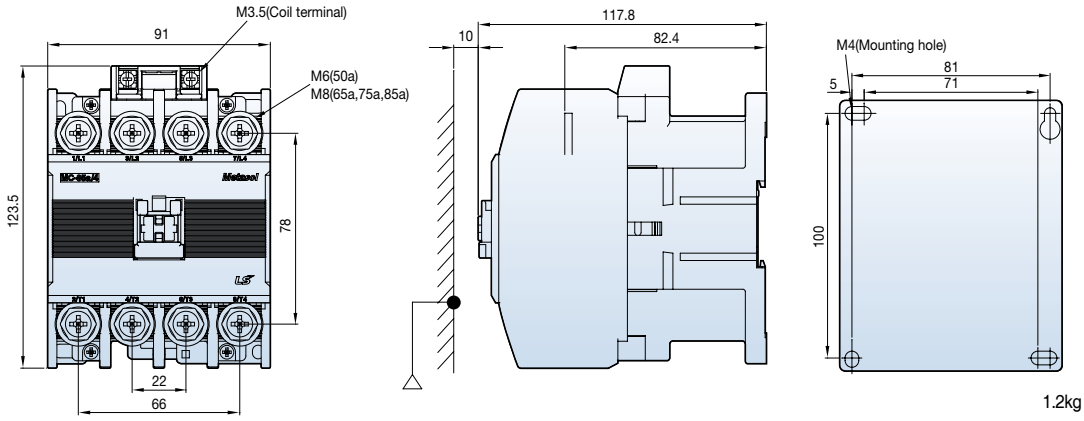
0.59kg

MC-32a/4~40a/4 DC



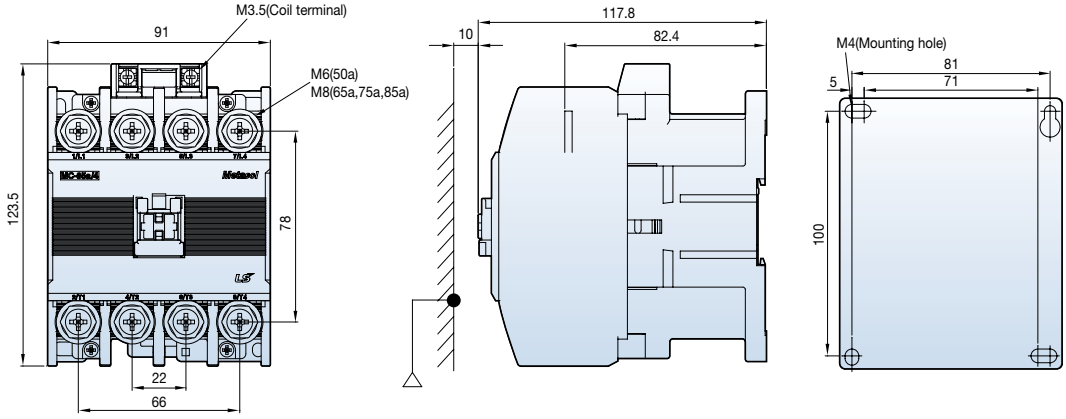
0.7kg

MC-50a/4~85a/4 AC



1.2kg

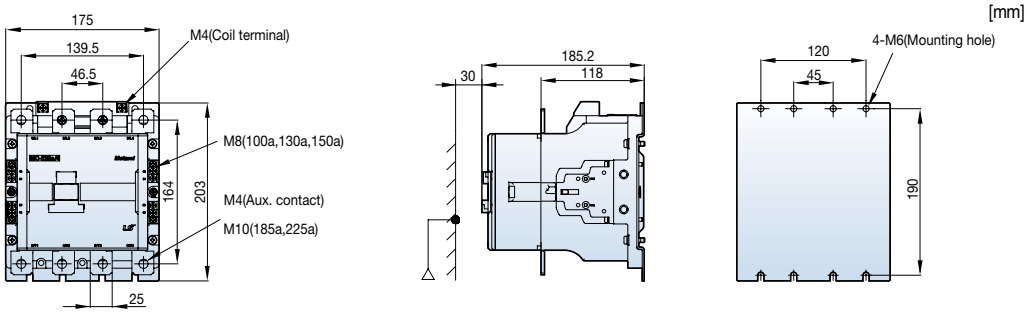
MC-50a/4~85a/4 DC



4-pole contactors dimension (MC-100a/4~800a/4)

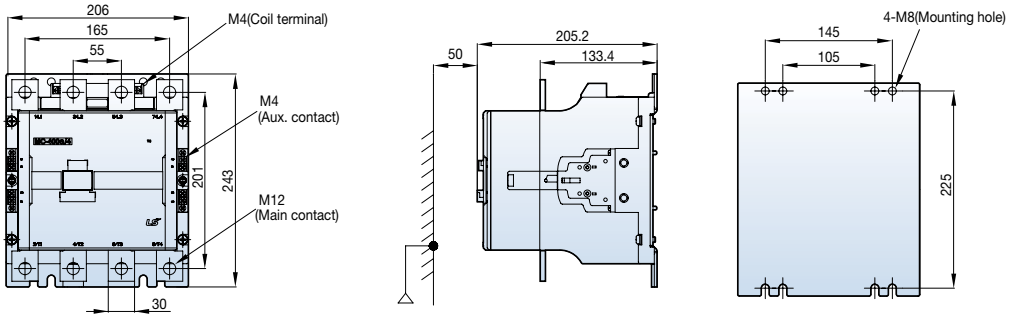
[mm]

MC-100a/4
MC-130a/4
MC-150a/4
MC-185a/4
MC-225a/4



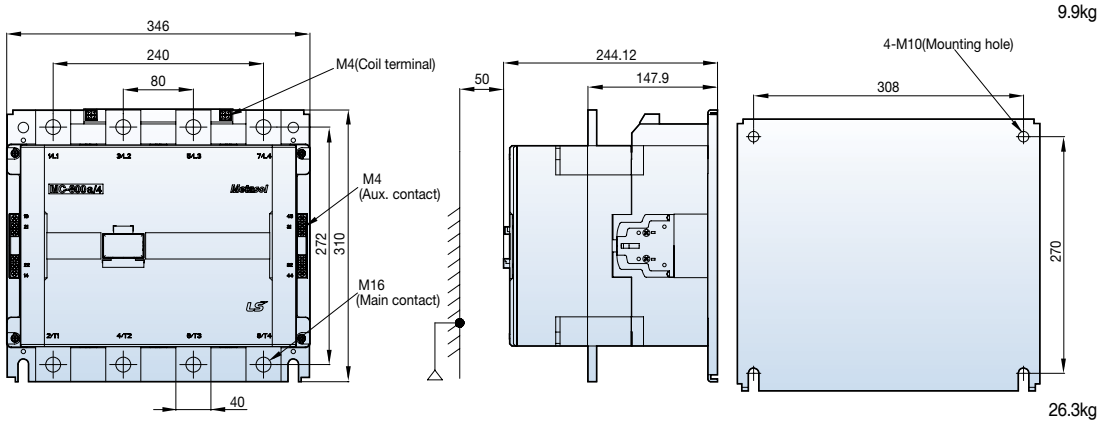
5.6kg

MC-265a/4
MC-330a/4
MC-400a/4



9.9kg

MC-500a/4
MC-630a/4
MC-800a/4

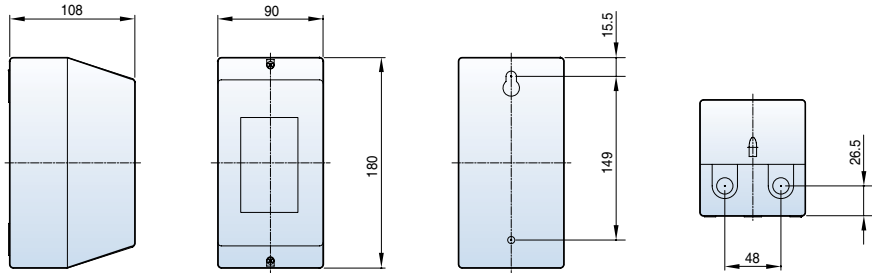


26.3kg

Enclosed motor starters, Mold enclosure dimension

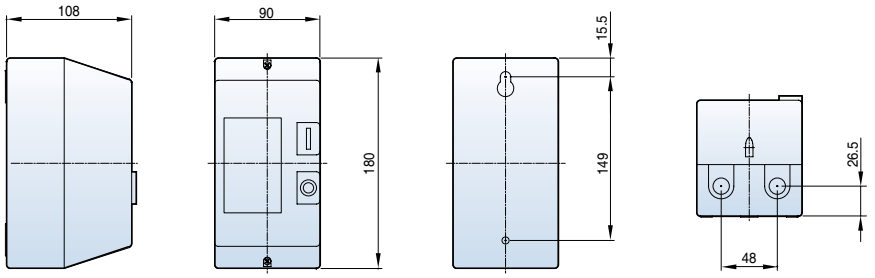
MW-9bM~22bM

[mm]



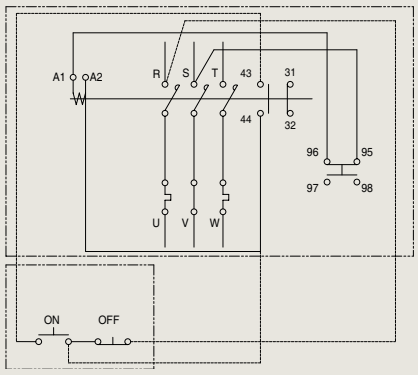
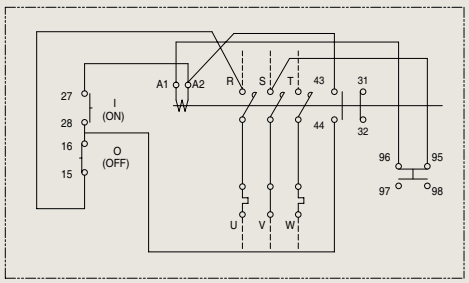
0.8kg

MW-9bMB~22bMB



0.8kg

Circuit diagram

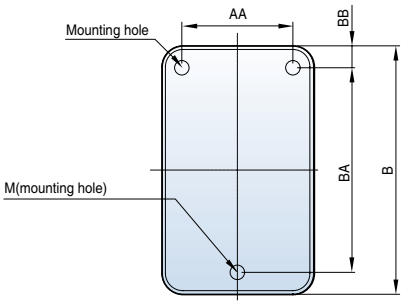
MW-9bM~22bM	MW-9bMB~22bMB
	

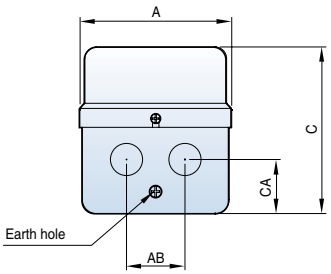
Enclosed motor starters, Steel enclosure dimension

MW-6a~100a

MW-9b~22b

[mm]

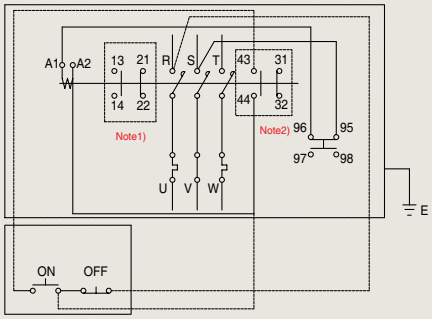




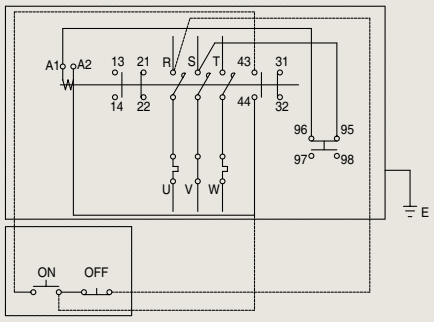
Type	A	AA	AB	B	BA	BB	C	CA	M	N	Weight(kg)
MW-9b~22b, 6a~18a	104	76	40	170	140	15	114	41	M5	Ø22	1.1
MW-32a, 40a	145	95	55	245	165	40	130	50	M5	Ø35	1.6
MW-50a, 65a	160	120	74	290	220	35	141	50	M5	Ø35	2.7
MW-75a, 85a, 100a	160	120	74	290	220	35	161	67	M5	Ø35	3.6

Circuit diagram

MW-6a~18a, MW-9b~22b



MW-32a~100a



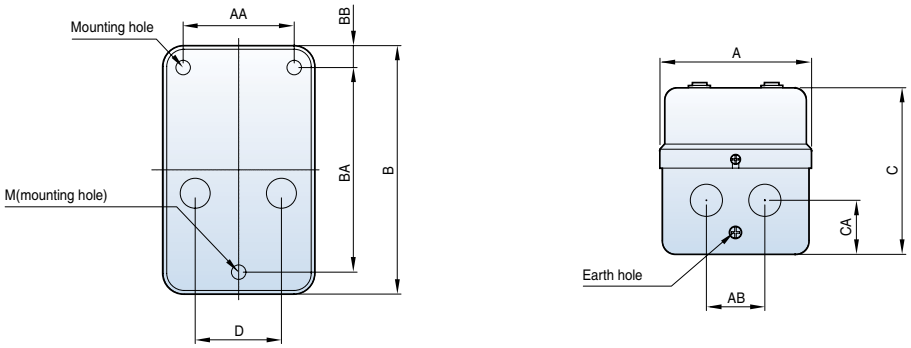
Note) 1. In case of adding the auxiliary contact unit(1NO1NC).
2. See below for MC-6a~18a(1NO)



MW-6aB~100aB

MW-9bB~22bB

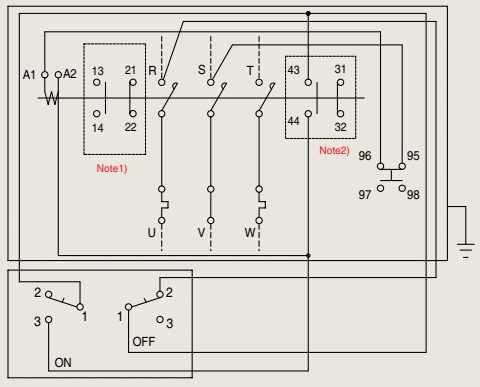
[mm]



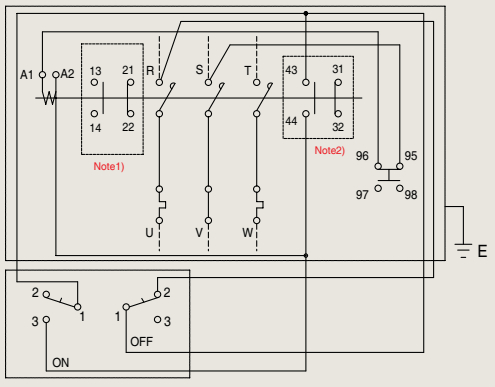
Type	A	AA	AB	B	BA	BB	C	CA	D	M	N	Weight(kg)
MW-9bB~22bB, 6aB~18aB	104	76	40	170	140	15	114	41	59	M5	Ø22	1.1
MW-32aB, 40aB	145	95	55	245	165	40	130	50	97	M5	Ø35	1.6
MW-50aB, 65aB	160	120	74	290	220	35	141	50	114	M5	Ø35	2.7
MW-75aB, 85aB, 100aB	160	120	74	290	220	35	161	67	114	M5	Ø35	3.6

Circuit diagram

MW-6aB~18aB, MW-9bB~22bB



MW-32aB~100aB



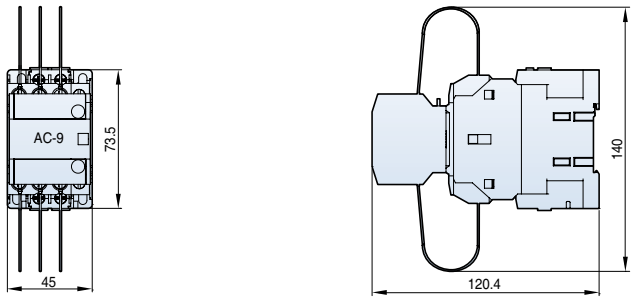
Note) 1. In case of adding the auxiliary contact unit(1NO1NC).
2. See below for MC-6a~18a(1NO)



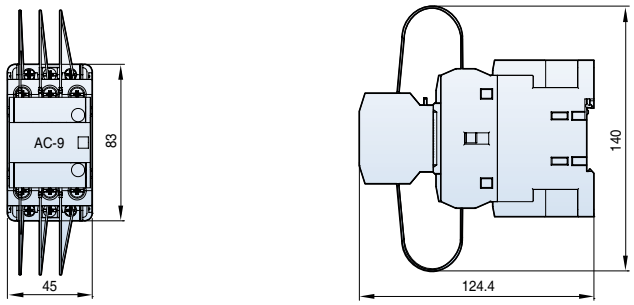
Capacitor contactors (MC-9b~40a with AC-9, MC 50a~100a with AC-50)

[mm]

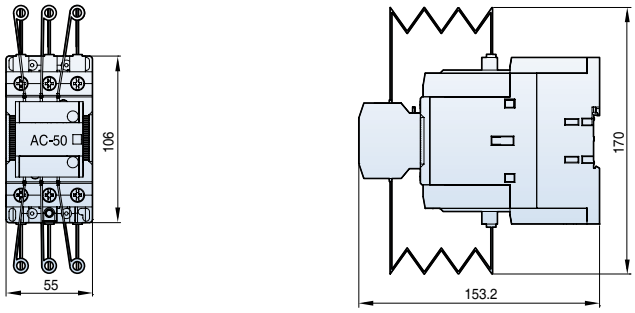
MC-9b~22b with AC-9



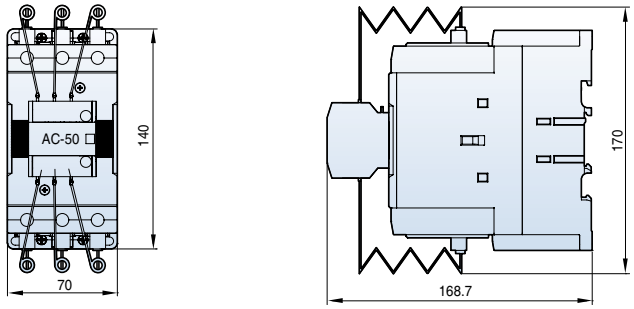
MC-32a,40a with AC-9



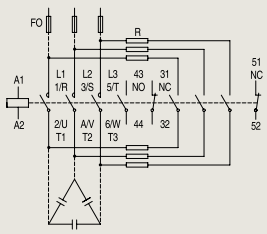
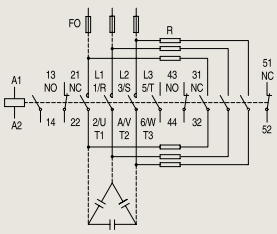
MC-50a,65a with AC-50



MC-75a~100a with AC-50



Circuit diagram

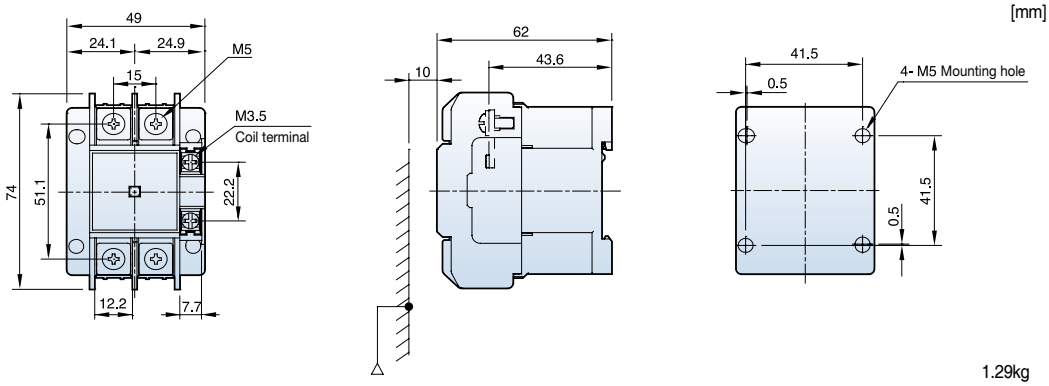
MC-9b~22b with AC-9	MC-32a, 40a with AC-9 MC 50a~100a with AC-50
	

2-pole AC Contactors dimension (GMC-10P2~40P2)

GMC-10P2
GMC-20P2
GMC-25P2
GMC-30P2
GMC-35P2
GMC-40P2

(TSBS Type)

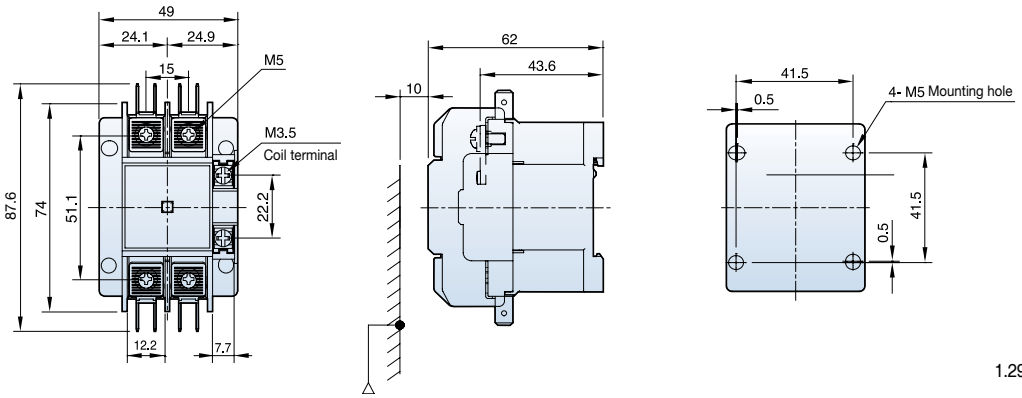
[mm]



1.29kg

GMC-10P2
GMC-20P2
GMC-25P2
GMC-30P2
GMC-35P2
GMC-40P2

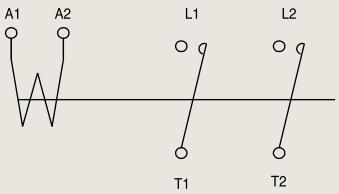
(TQBS Type)



1.29kg

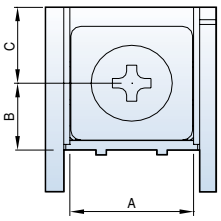
Composition

GMC - 10P2~40P2



Terminal

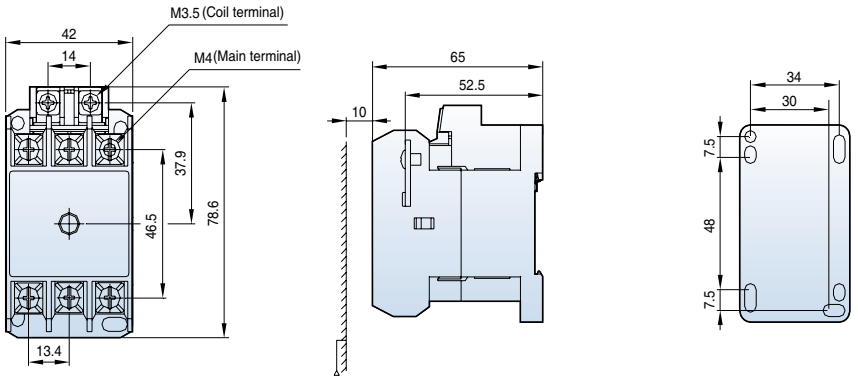
Type	Terminals	Screw	Wire (mm^2)	Torque (kgf·cm)	A×B×C (mm)
GMC-10P2~40P2	Main	M5	1-16	26	12.2×7×8
	Coil	M3.5	1-2.5	12	7.7×7.5×4.5



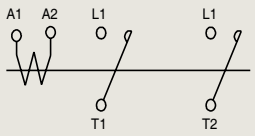
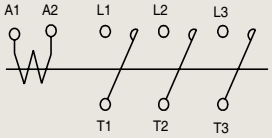
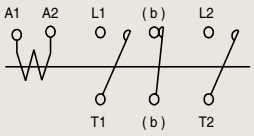
3-pole AC Contactors dimension (GMC-20D, 25D)

GMC-20D
GMC-25D

[mm]

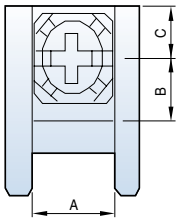


Contact arrangement

2NO	3NO	2NO1NC
		

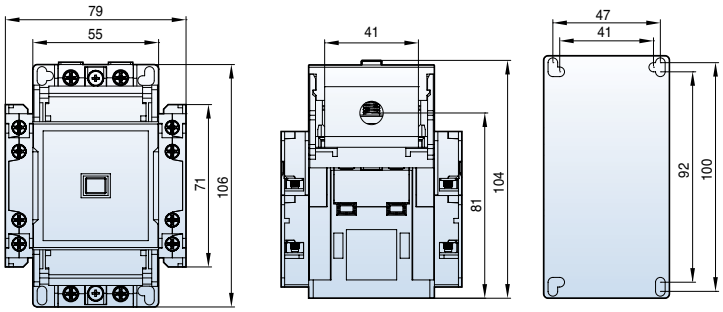
Terminal

Type	Screw	Wire (mm^2)	Torque (kgf·cm)	A×B×C (mm)
GMC-20D~25D	M4	1-10	15	9.4×5×85.1
Coil~	M3.5	1.25~2	12	8×5×4.9

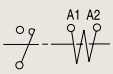
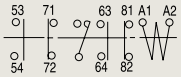


Single-pole AC Contactors (MC-65aSP)

MC-65aSP



Composition

without auxiliary contact	
with auxiliary contacts	

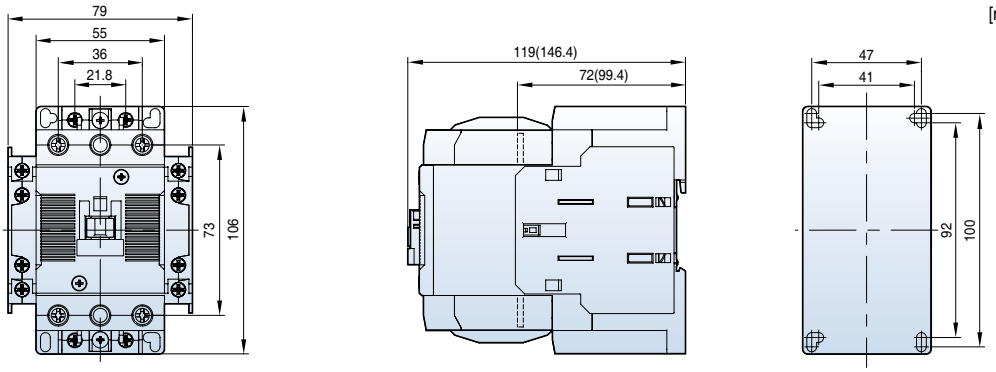
0.65kg

DC Contactors dimension (MD-30a, 60a,100a)

[mm]

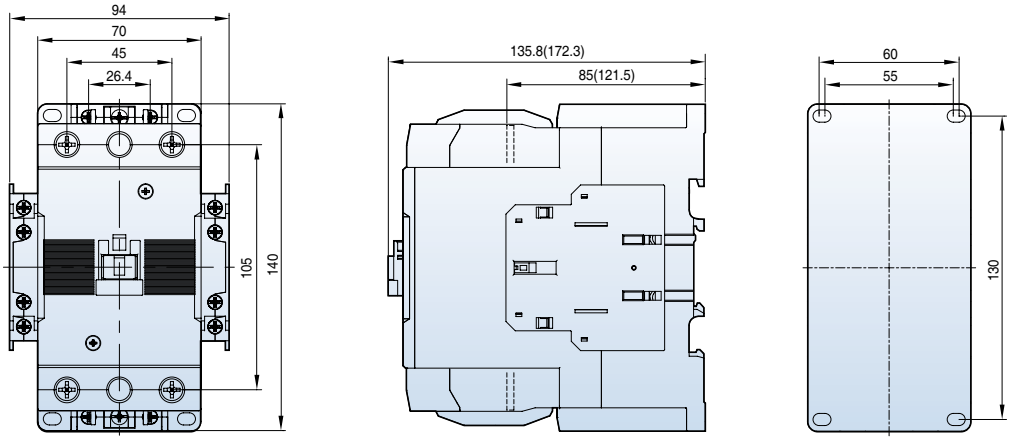
MD-30a AC(DC)

2NO2NC



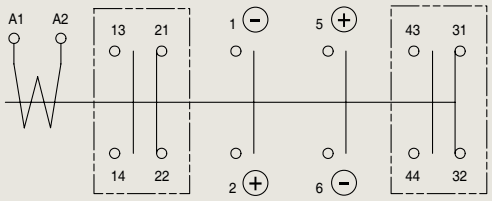
MD-60a,100a AC(DC)

2NO2NC

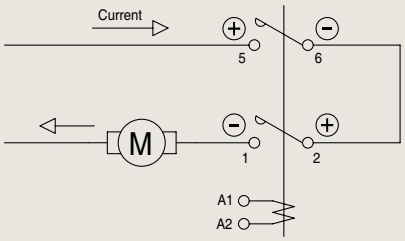


Composition

MD-30a, 60a, 100a



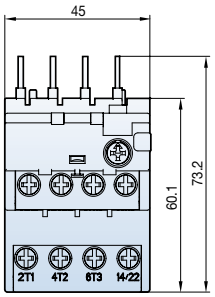
Contact arrangement

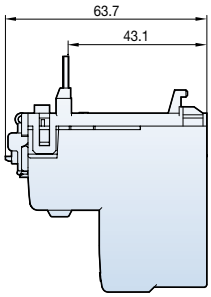


Overload relays dimension

[mm]

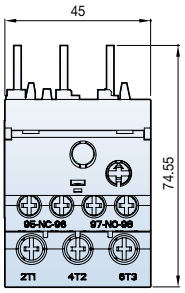
MT-12

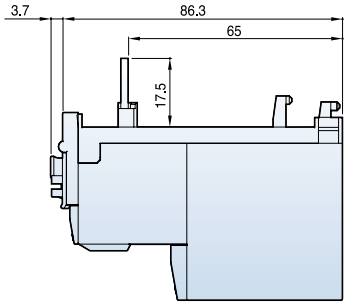




100g

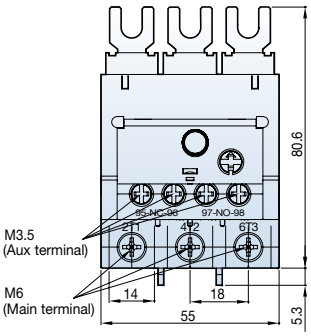
MT-32

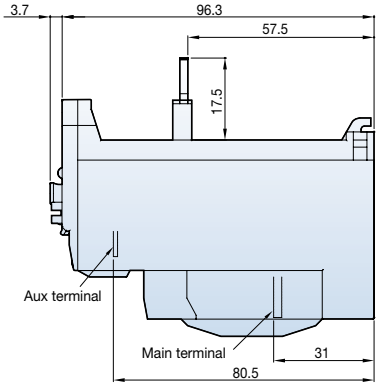




167g

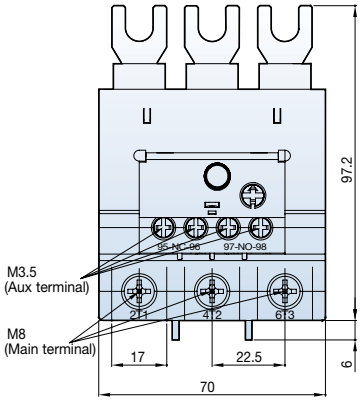
MT-63

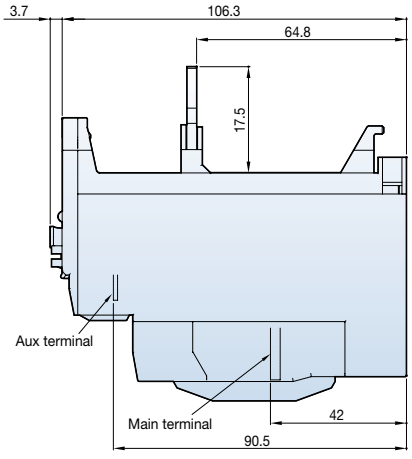




303g

MT-95

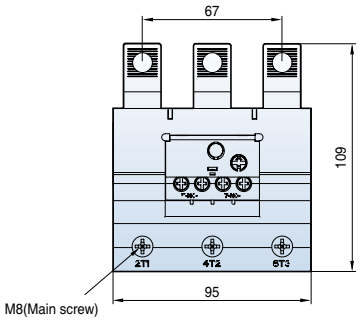


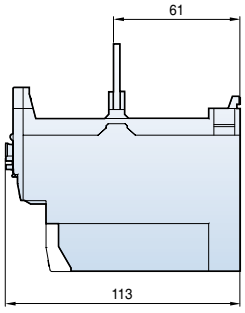


474g

[mm]

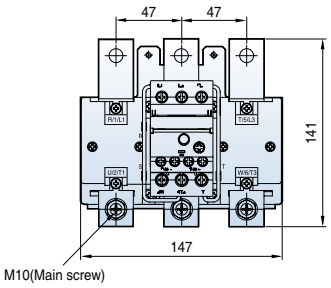
MT-150

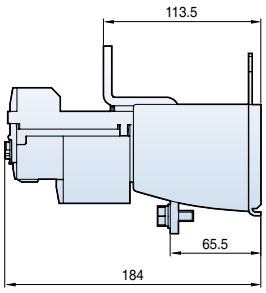




0.7kg

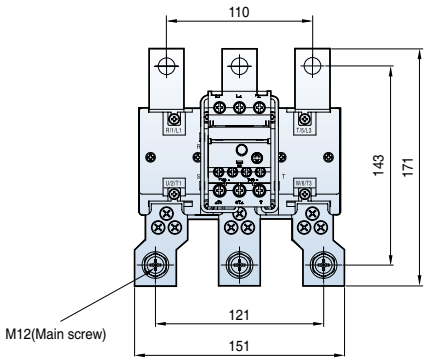
MT-225

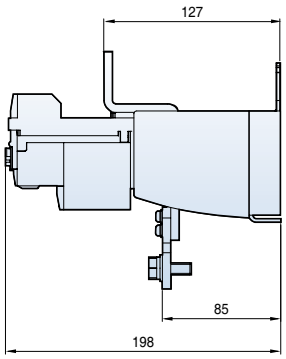




2.5kg

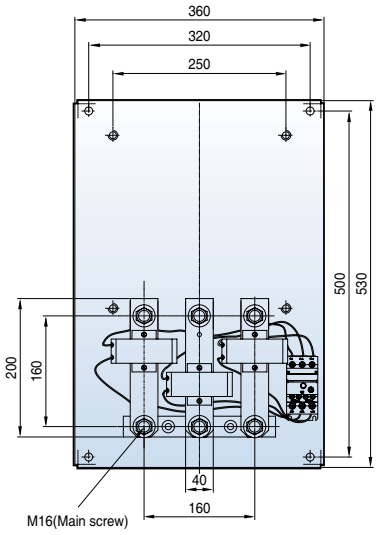
MT-400

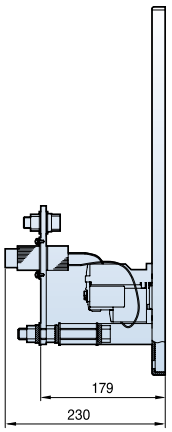




2.6kg

MT-800



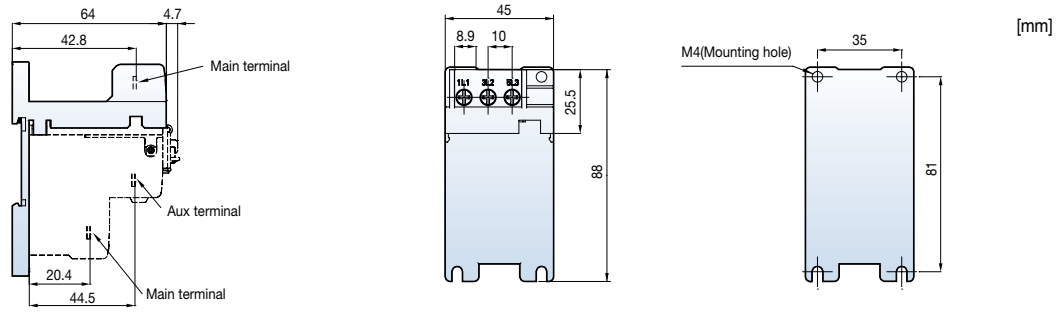


11.5kg

Overload relays dimension (Separate mount)

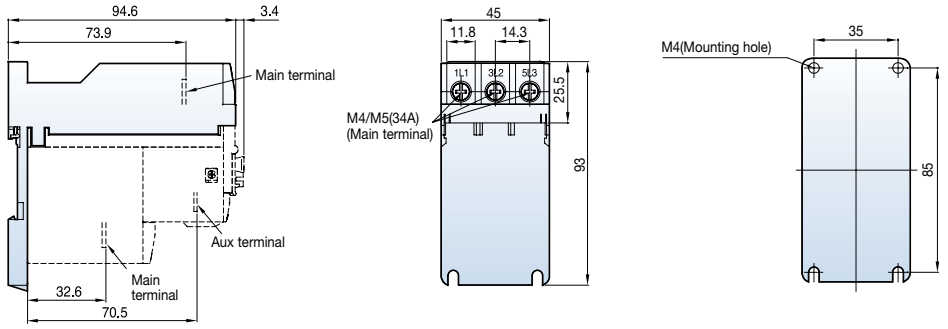
[mm]

UZ-12



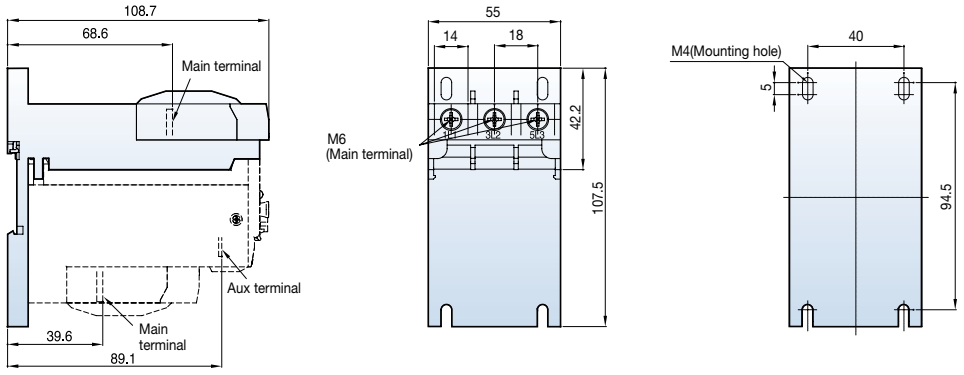
35g

UZ-32



68g

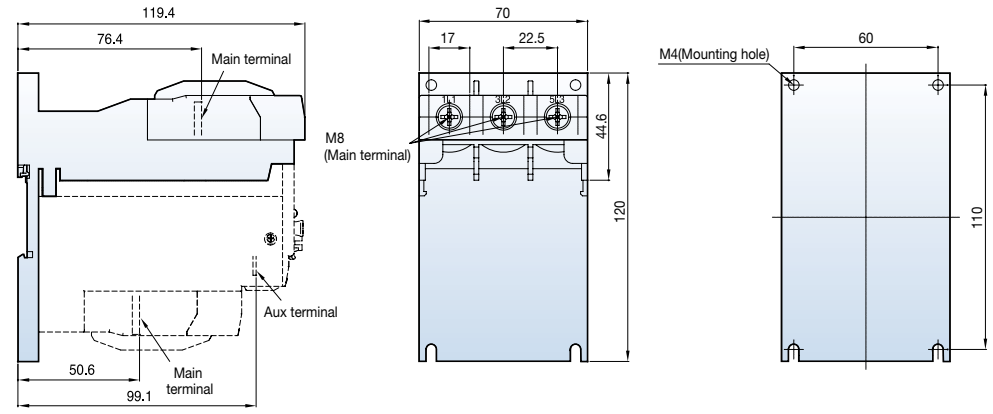
UZ-63



134g

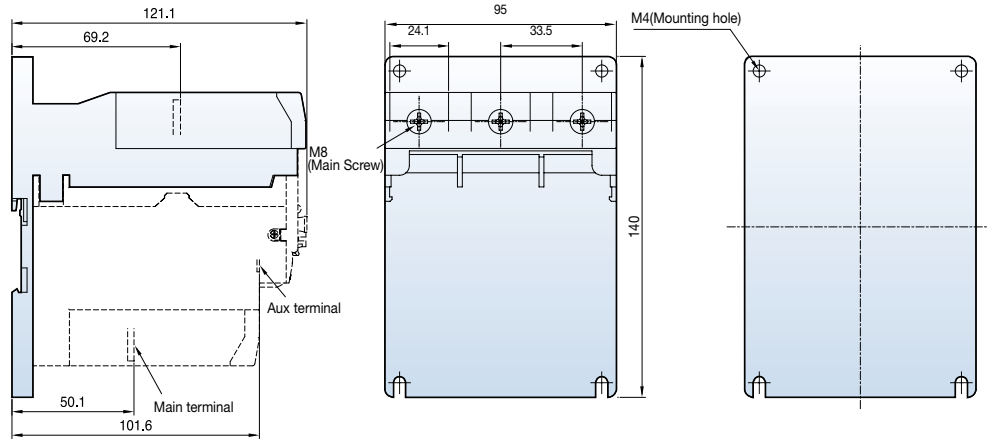
[mm]

UZ-95



230g

UZ-150

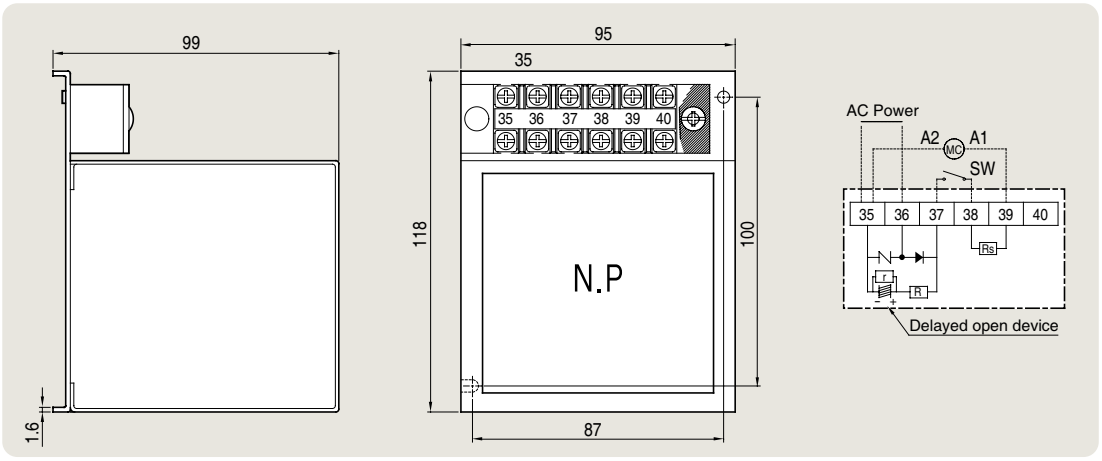


284g

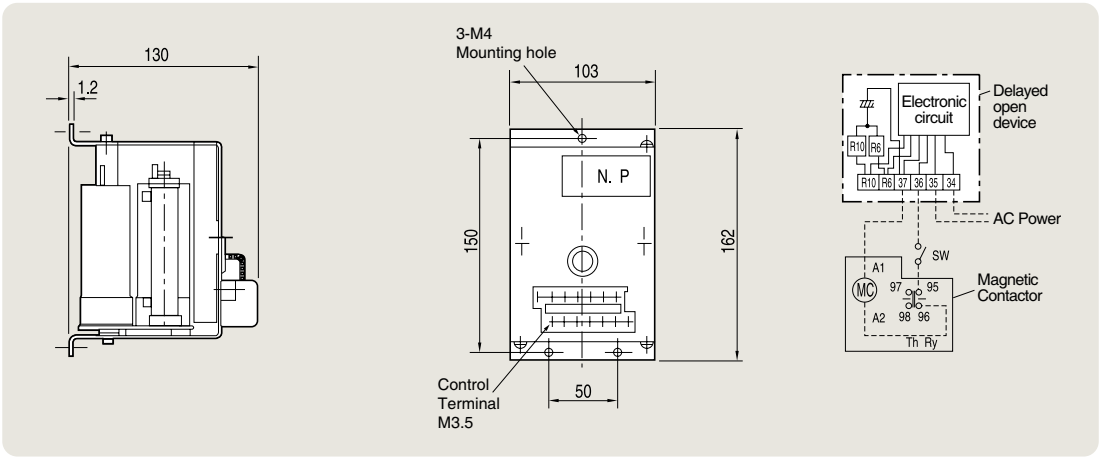
Delayed Opening Device

Dimension

AD - 9

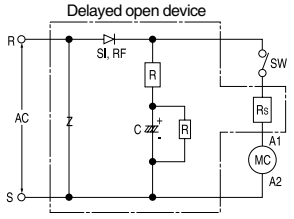
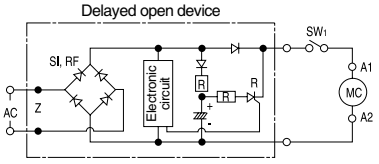


AD - 50
AD - 100
AD - 300
AD - 600



0.5kg

Control Circuit Diagram

AD - 9	AD - 50~600
	

SI, RF : Rectifier
C : Condenser
Rs : Resistance in series

SI, RF : Rectifier
C : Condenser
Rs : Resistance in series