

KWMC2-F Series		AC Contactor	
Standard	IEC60947-4-1		
Electric ratings	Up to 800A,1000V		
Rated insulation voltage Ui(V)	690		
Operation range	Pick-up voltage	(85%~110%)Us	
	Drop-out voltage	(20%~75%)Us	
Rated impluse withstand voltage Uimp(kV)	8		
Rated frequency(Hz)	50/60		
Utilization category	AC-3,AC-4		
Degree of protection	IP20		
Ambient air temperature(°C)	-5 to+40,max.95%humidity		
Storage temperature(°C)	-40~+75		
Maximum operating altitude(meters)	≤2000		
Flame resistance	V1		
Certification	△ CE CB		



KWMC2-F

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AC Contactor

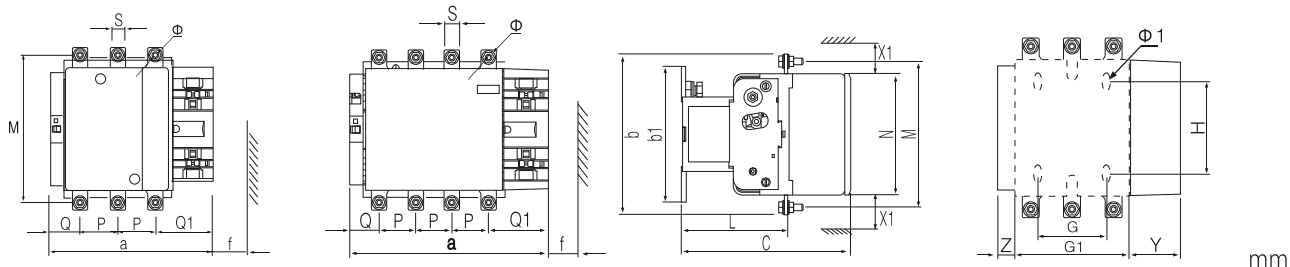
Type		KWMC2-F													
		115	150	185	225	265	330	400	500	630	800				
Number of poles		3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3				
Current Ie(A) (Ue≤400V)	AC-3	115	150	185	225	265	330	400	500	630	800				
	AC-4	52	60	79	85	105	117	138	147	188	195				
Rated conventional thermal current Ith(A)		200	200	280	280	360	360	580	580	850	850				
Rated making capacity(A) 1ms		10 x Ie AC-3 or 12 x Ie AC-4													
Rated breaking capacity(A) 1ms		8 x Ie AC-3 or 10 x Ie AC-4													
Rated operational power in category AC-3(kw)	220/230V	30	40	55	63	75	100	129	147	200	220				
	380/400V	55	75	90	100	132	160	200	250	335	400				
	415V	59	80	100	110	140	180	220	280	375	425				
	440V	59	80	100	110	140	180	220	280	375	425				
	500V	75	90	110	129	160	200	257	335	400	450				
	660/690V	80	100	120	129	180	220	280	355	450	475				
	1000V	65	65	100	140	147	160	185	335	450	450				
Average impedance per pole(mΩ)		0.37	0.35	0.33	0.32	0.3	0.28	0.26	0.18	0.12	0.12				
Operation cycles (times/hour)	AC-3	1200	1200	600	600	600	600	600	600	600	600				
	AC-4	300	300	300	300	300	300	300	300	300	300				
Mechanical life(X 10³ times)		3000													
Electrical life (X 10³times)	AC-3	800	800	500	500	500	500	300	200	200	100				
	AC-4	150	150	150	150	150	150	80	80	50	30				
Matching fuse model		RT16-2	RT16-2	RT16-3	RT16-3	RT16-3	RT16-3	RT16-3	RT16-3	RT16-3	RT16-3				
Tightening torque(N.m) cable Connection		10	18	18	35	35	35	35	35	58	58				
Add-on auxiliary contact blocks	Front				KWA1-DN										
	Side				KWA8-DN										
	Front time delay				KWA2-DT/KWA3-DR										
Mechanical interlock			Model			Matched AC Contactor									
			KW9FF970 KW9FG970 KW9FJ970 KW9FL970			KWMC2-F115 to KWMC2-F150 KWMC2-F185 to KWMC2-F225 KWMC2-F265 to KWMC2-F400 KWMC2-F630									
Refer to other coil voltage listed as followings															
KWMC2-F115...F225	VoltageV	24	48	110	125	127/132	220	230	240	250	380	400	415	440	480
	50Hz (Coil LX1)	B5	E5	F5	-	G5	M5	P5	U5	-	Q5	V5	N5	R5	T5
	60Hz (Coil LX1)	-	E6	F6	-	G6	M6	P6	U6	-	Q6	V6	N6	R6	T6
	40...400Hz (Coil LX9)	-	E7	F7	-	G7	M7	P7	U7	-	Q7	V7	N7	R7	T7
	DC (Coil LX4)	BD	ED	FD	GD	-	MD	-	-	UD	-	-	-	RD	-
Remark: For 50Hz coil LX1: 220/230V and 380/400V share the same coil															
KWMC2-F265...F330	40...400Hz (Coil LX1)	-	E7	F7	-	G7	M7	P7	U7	-	Q7	V7	N7	R7	T7
	DC (Coil LX4)	-	ED	FD	GD	-	MD	-	-	UD	-	-	-	RD	-
Remark: F265 is equipped with dual-winding coil as standard															
KWMC2-F400...F800	40...400Hz (Coil LX1)	-	E7	F7	-	G7	M7	P7	U7	-	Q7	V7	N7	R7	T7
	DC (Coil LX4)	-	ED	FD	GD	-	MD	-	-	UD	-	-	-	RD	-

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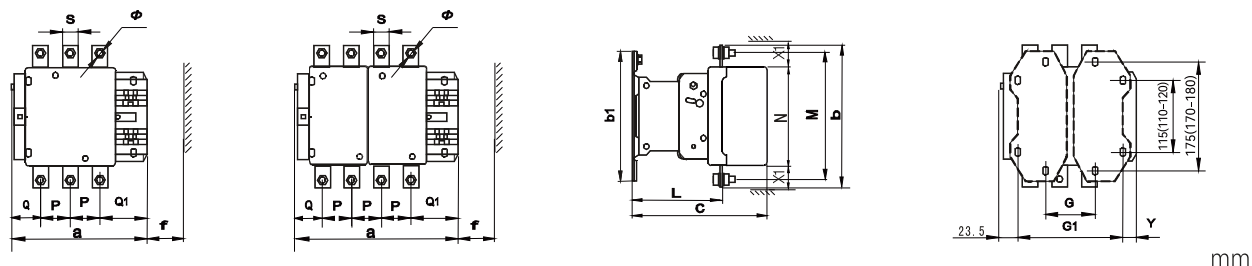
Overall Dimensions (KWMC2-F Series)

1.KWMC2-F115/1154-330/3304



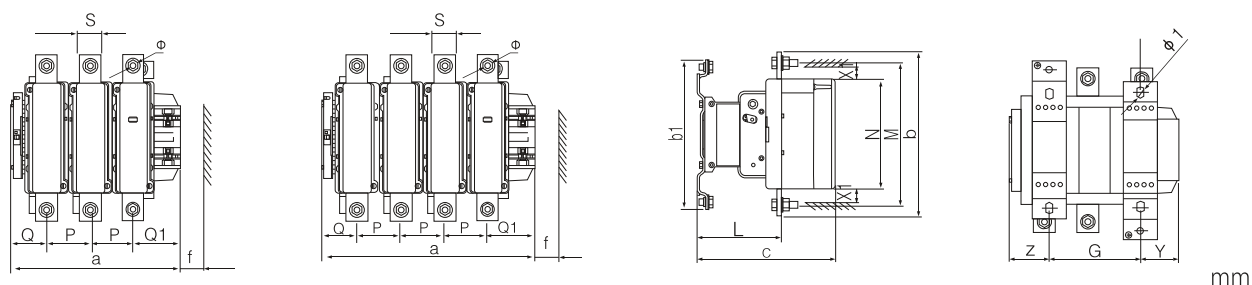
KWMC2-F	a	p	Q	Q1	S	Φ	f	b	b1	M	N	C	L	G	H	Φ1	G1	Z	Y	X1	
																				≤500V	> 500V
115	163.5	37	29.5	60	15	M6	131	162	137	147	124	171	107	80	106-120	6.5	106	13.5	44	10	15
1154	200.5	37	29.5	60	15	M6	131	162	137	147	124	171	107	80	106-120	6.5	143	13.5	44	10	15
150	163.5	40	26	57.5	20	M8	131	170	137	150	124	171	107	80	106-120	6.5	106	13.5	44	10	15
1504	200.5	40	25	55.5	20	M8	131	170	137	150	124	171	107	80	106-120	6.5	143	13.5	44	10	15
185	168.5	40	29	59.5	20	M8	130	174	137	154	127	181	113.5	80	106-120	6.5	111	13.5	44	10	15
1854	208.5	40	29	59.5	20	M8	130	174	137	154	127	181	113.5	80	106-120	6.5	151	13.5	44	10	15
225	168.5	48	21	51.5	25	M10	130	197	137	172	127	181	113.5	80	106-120	6.5	111	13.5	44	10	15
2254	208.5	48	17	47.5	25	M10	130	197	137	172	127	181	113.5	80	106-120	6.5	151	20.5	44	10	15
265	201.5	48	39	66.5	25	M10	147	203	145	178	147	213	141	96	106-120	6.5	140	20.5	38	10	15
2654	224.5	48	34	66.5	25	M10	147	203	145	178	147	213	141	96	106-120	6.5	186	20.5	38	10	15
330	213	48	43	74	25	M10	147	206	145	181	158	219	145	96	106-120	6.5	154.5	20.5	38	10	15
3304	261	48	43	74	25	M10	147	206	145	181	158	219	145	96	106-120	6.5	202.5	20.5	38	10	15

2.KWMC2-F400/4004/500/5004



KWMC2-F	a	p	Q	Q1	S	Φ	f	b	b1	M	N	C	L	G	G1	Φ1	Y	X1	
																		≤500V	> 500V
400	213	48	43	74	25	M10	151	206	209	181	158	219	145	80(66-102)	170(156-192)	8.5	19.5	15	20
4004	261	48	43	74	25	M10	151	206	209	181	158	219	145	80(66-102)	170(156-192)	8.5	67.5	15	20
500	233	55	46	77	30	M10	169	238	209	208	172	232	146	80(66-102)	170(156-192)	8.5	39.5	15	20
5004	288	55	46	77	30	M10	169	238	209	208	172	232	146	140(66-175)	230(156-265)	8.5	34.5	15	20

3.KWMC2-F630/6304/800



KWMC2-F	a	p	Q	Q1	S	Φ	f	b	b1	M	N	C	L	G	Φ1	Z	Y	X1	
																		≤500V	> 500V
630 800	309	80	60	89	40	M12	201	304	280	264	202	255	155	180(100-195)	10.5	60.5	68.5	20	30
6304	389	80	60	89	40	M12	201	304	280	264	202	255	155	240(150-275)	10.5	60.5	68.5	20	30