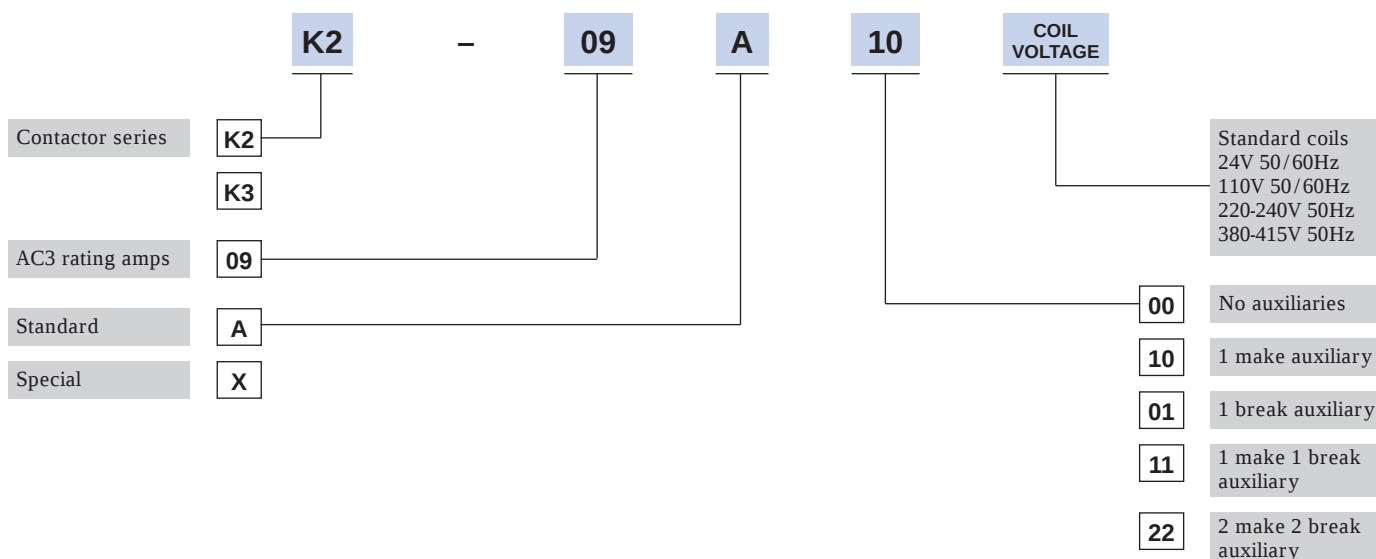


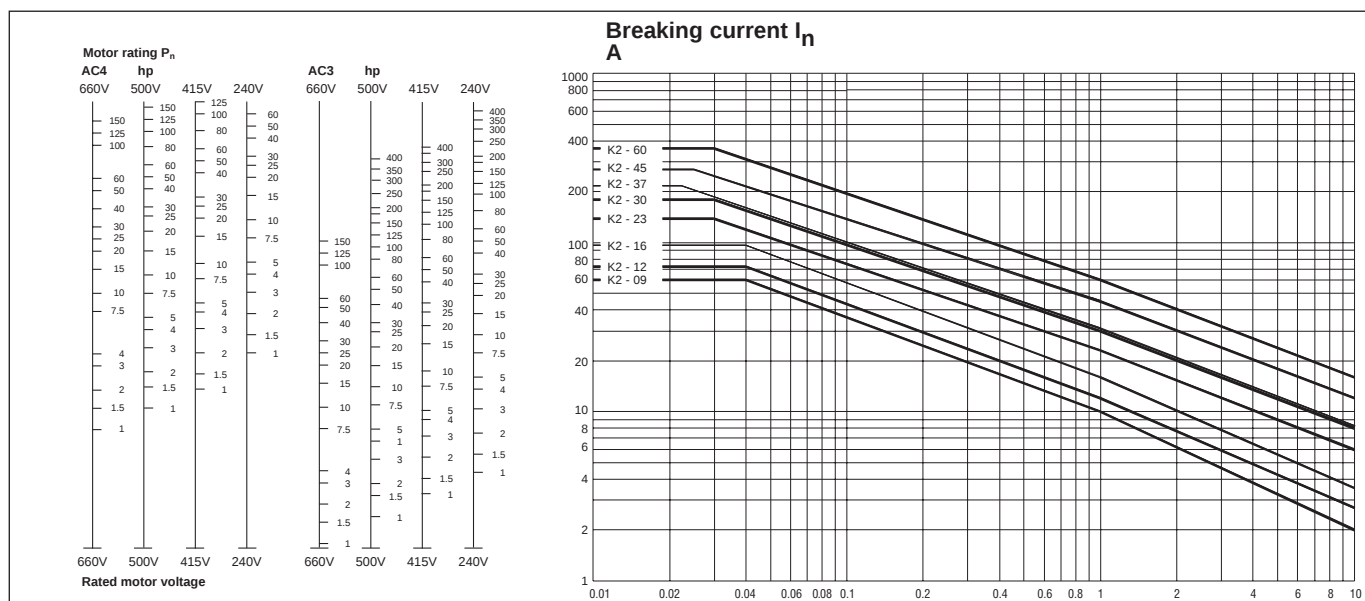
- Up to 700A AC3
- Up to 1000A AC1
- DIN rail mounting to 30 amps
- Add-on auxiliary contacts
- International approvals
- Designed to EN60947-1



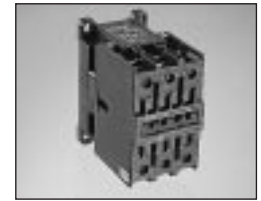
Options and ordering codes



Contact life K2-09 to K2-60



Approvals



Contactors

Auxiliary contacts No auxiliaries 1 make 1 break 1 make 1 break 2 make 2 break		K2-09A10 K2-09A01	K2-12A10 K2-12A01	K2-16A10 K2-16A01	K2-23A10 K2-23A01	K2-30A10 K2-30A01	K2-37A10 K2-37A01	K2-45A00 K2-60A00
Main contacts Ratings at 400V AC		3	3	3	3	3	3	3
AC1 40°C	Amps	25	25	25	45	50	50	80
60°C	Amps	20	25	25	35	40	40	63
AC3	Amps	9	12	16	23	30	37	45
	HP	6	8	11.5	15	20	25	35
	KW	4	5.5	7.5	11	15	18.5	22
Cable cross-section								
Solid	mm ²		0.75 – 4		1.5 – 10 + 1.5 – 6			4 – 35
Flexible	mm ²		0.75 – 2.5		1.5 – 6 + 1.5 – 4			6 – 25
Cables per clamp			2		1 + 1			1
Auxiliary contact Ratings at 400V AC								
AC1 40°C	Amps		16		16			–
60°C	Amps		12		12			–
AC15 400V	Amps		4		4			–
230V	Amps		12		12			–
Cable cross-section								
Solid	mm ²		0.75 – 4		0.75 – 4			0.75 – 4
Flexible	mm ²		0.75 – 2.5		0.75 – 2.5			0.75 – 2.5
Cables per clamp			2		2			2
Coil								
Inrush VA			33 – 45		90 – 115			140 – 165
Hold VA			7 – 10		9 – 13			13 – 18
Voltage range			0.85 – 1.1		0.85 – 1.1			0.85 – 1.1
Operate times								
Energise	mS		8 – 16		10 – 25			12 – 28
Release	mS		5 – 13		8 – 15			8 – 15
Maximum ambient temperature								
Contactor	°C		-40 to +60		-40 to +60			-40 to +60
With overload	°C		-25 to +60		-25 to +60			-25 to +60
Mounting		DIN rail						Base



Thermal overload relays

Single-phase protection
Hand reset
Trip and alarm contacts

Type	U12/16E		U32		U60	
		Product		Product		Product
Current Ranges Amps	0.12–0.18	U1216E0.18	10–14	U32 14	20–28	U60 28
	0.18–0.27	U1216E0.27	14–20	U32 20	28–42	U60 42
	0.27–0.4	U1216E0.4	20–28	U32 28	40–52	U60 52
	0.4–0.6	U1216E0.6	28–42	U32 42	52–65	U60 65
	0.6–0.9	U1216E0.9				
	0.8–1.2	U1216E1.2				
	1.2–1.8	U1216E1.8				
	1.8–2.7	U1216E2.7				
	2.7–4	U1216E4				
	4–6	U1216E6				
	6–9	U1216E9				
	8–11	U1216E11				
	10–14	U1216E14				
	13–18	U1216E18				
	17–23	U1216E23				
	23–30	U1216E30				



K85A22 K110A22		K3-150A11 K3-175A11 K3-200A11			K3-315A11 K3-450A22		K3-550A22 K3-700A22	
3	3	3	3	3	3	3	3	3
150	170	200	250	350	450	600	760	1000
100	125	160	200	250	320	450	550	750
85	110	150	175	200	315	450	550	700
65	85	–	130	160	230	330	420	550
45	55	75	90	110	160	250	315	400
10 – 70		Busbar		Busbar	Busbar	Busbar	Busbar	Busbar
10 – 50		18 x 5		22 x 4	25 x 5	30 x 5	40 x 6	50 x 8
1		1		1	1	2	2	2
16		10			10		10	
12					2		2	
6					3		3	
12								
0.75 – 2.5		0.75 – 2.5			0.5 – 4		0.5 – 4	
0.75 – 2.5		0.75 – 2.5			0.5 – 2.5		0.5 – 2.5	
2		2			2		2	
280 – 350	350 – 420	550	1100	2300	800 – 950	800 – 950	1350 – 1600	
16 – 23	23 – 29	130	66	120	9 – 11	9 – 11	21 – 25	
0.85 – 1.1	0.85 – 1.1	0.85 – 1.1	0.85 – 1.1	0.85 – 1.1	0.85 – 1.1	0.85 – 1.1	0.85 – 1.1	
13 – 30	13 – 30	12 – 30	30 – 40	25 – 50	50 – 100	50 – 100	50 – 100	
8 – 15	8 – 15	15 – 40	15 – 45	15 – 30	150 – 200	150 – 200	150 – 200	
-40 to +60		-40 to +70			-40 to +70		-40 to +70	
-25 to +40		-25 to +60			-25 to +55		-25 to +55	
Base		Base			Base		Base	



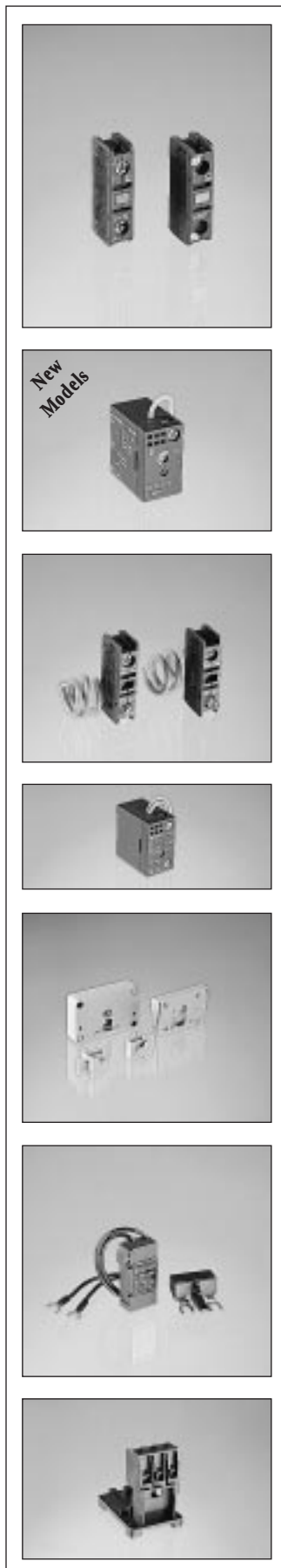
U85	
	Product
60–90	U85 90
80–120	U85 120
120–180	U85 180

U205	
	Product
100–150	U205 150
140–210	U205 210

U840	
	Product
200–340	U840 340
320–540	U840 540
500–840	U840 840

€ Euro prices on request

For DC coil contactors please contact IMO for further information

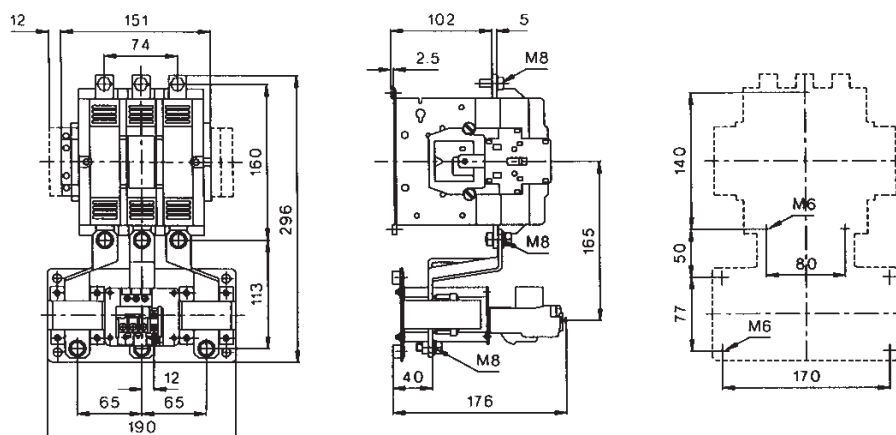


Auxiliary Contacts	Description	Product	List
For use with K2-09 to K2-60			
Twin bifurcated for low level switching	1 make	HN10	
Rating AC1 @ 690V 10A	1 break	HN01	
AC15 @ 400V 2A – @ 230V 3A	Early make	HN10U	
Maximum of 4 per contactor	Late break	HN01U	
For use with K3-150 – K3-175 max 1 piece	1M 1B INSIDE	HKS11	
For use with K3-150 – K3-175 max 2 pieces	1M 1B OUTSIDE	HKS11A	
For use with K3-200 – K3-315 max 3 pieces	1M 1B	HKD11	
For use with K3-450 – K3-700 max 1 piece	2M 2B	HKF22	
Rating AC1 @ 690V 10A			
AC15 @ 400V 2A – @230V 3A			
Electronic Timer			
For use with K2-09 up to K2-60	Delay-on		
Delay timer with LED indicator	1-30 secs	K2-TE30	
Repeat accuracy 1% – Recovery time 50mS	10-180 secs	K2-TE180	
Rating AC15 0.75A @ 60V-0.15A @ 250V	30-600 secs	K2-TE600	
	Delay-off		
Max. inrush 25A – min. switching 5mA	1-30 secs	K2-TA30	
Delay-on supply 24-60V AC or DC – 100-250V AC or DC	10-180 secs	K2-TA180	
Delay-off supply 24-60V AC, 100-120V AC or 200-250V AC	30-600 secs	K2-TA600	
Indicator			
For use with K2-09 to K2-60			
Current indicator	Green (LED)	K2-ING	
24-660V AC or DC (voltage drop 2V)	Red (LED)	K2-INR	
Voltage indicator			
220 – 415V AC or DC	White (Lamp)	K2-UN	
24 – 120V AC or DC	Red (LED)	K2-UNR	
Interface Relay			
For use with K2-09 to K2-60			
Relay to interface with electronic circuits			
1 make contact rated 0.75A max 250V AC 30V DC		K2-IM 24V	
Mechanical Interlock			
For use with			
K2-09 to K2-37		K28851	
K2-23 to K2-60		LG9345	
K85A22 to K110A22		LG8511	
K3-150A11 to K3-175A11		LG10397H	
K3-200A11		LG10398H	
K3-315A11 to K3-550A22		LG10400H	
K3-700A22		LG10402H	
Coil Suppressor			
For use with			
K2-09 to K2-16	12-24V AC/DC	K2-E24	
	24-48V AC/DC	K2-E48	
	110-230V AC/DC	K2-E220	
	250-415V AC/DC	K2-E380	
K2-23 to K2-60	12-24V AC/DC	VG-K2/24	
	24-48V AC/DC	VG-K2/48	
	110-230V AC/DC	VG-K2/250	
	250-415V AC/DC	VG-K2/415	
Overload Mounting			
For separate mounting of overloads			
For use with			
U1216	With terminal	U12SM	
U32	Bracket	LG7589	
	Terminal	LG7591	

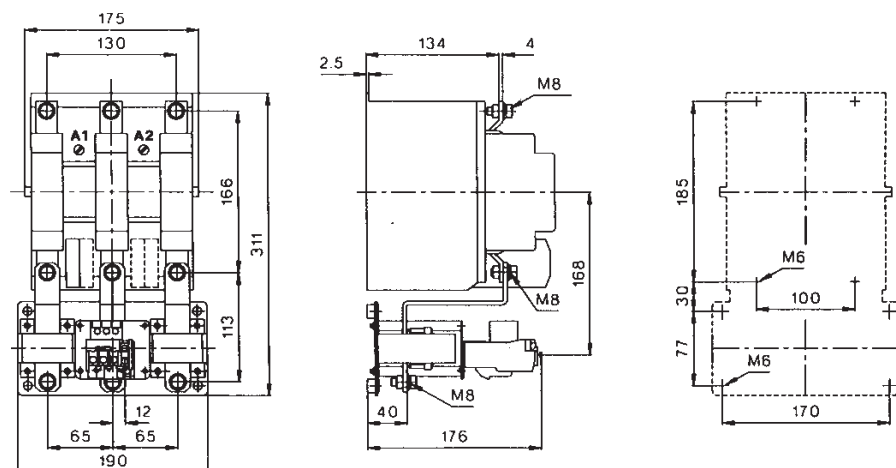


Dimensions (mm)

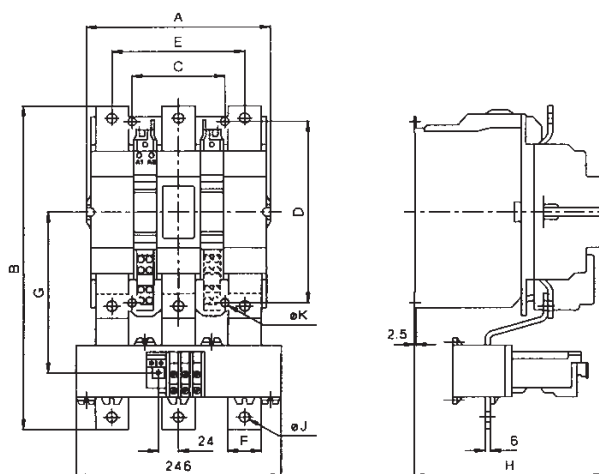
K3-150 to K3-175A11 + U205



K3-200A11 + U205



U840 + K3-...



U840	A	B	C	D	E	F	G	H	J	K
+K3-315	210	366	110	158	158	40	179	220	12.5	9
+K3-450	220	372	110	220	158	40	185	233	12.5	9
+K3-550	220	395	110	220	158	40	196	258	12.5	9
+K3-700	280	487	175	280	202	50	257	291	14.5	11
+K3-860	280	540	175	280	202	50	280	291	14.5	11