

KT7 Assembly – IEC Application Rating Chart (Ratings are dependent on type of application) ①

Rating Index	Assembly Components		IEC kW Ratings for Standard Motors, 1500 rpm Max. kW, 50Hz ②				Max. Short-Circuit Current [kA] IEC Type 1 Coordination				Max. Short-Circuit Current [kA] IEC Type 2 Coordination			
	KT7	Min. Contactor	230V	400V	500V	690V	230V	400V	500V	690V	230V	400V	500V	690V
KTA7 + CA7 IEC Assemblies (CL7 / CLU7/ CK7 / CKU7)														
1	KTA7-25S-0.16A	CA7-9	~	~	0.06	0.06	100	100	65	50	100	100	65	50
2	KTA7-25S-0.25A	CA7-9	0.02	0.06	0.06	0.12	100	100	65	50	100	100	65	50
3	KTA7-25S-0.4A	CA7-9	0.06	0.09	0.12	0.18	100	100	65	50	100	100	65	50
4	KTA7-25S-0.63A	CA7-9	0.09	0.18	0.18	0.37	100	100	65	50	100	100	65	50
5	KTA7-25S-1A	CA7-9	0.12	0.25	0.37	0.55	100	100	65	50	100	100	65	50
6	KTA7-25S-1.6A	CA7-9	0.25	0.55	0.75	1.1	100	100	65	50	100	100	65	50
7	KTA7-25S-2.5A	CA7-9	0.55	0.75	1.1	1.8	100	65	50	8	65	50	50	8
8	KTA7-25S-4A	CA7-9	0.75	1.5	2.2	3	100	50	50	8	50	50	~	~
9	KTA7-25S-6.3A	CA7-9	1.5	2.2	3	4	100	50	50	4	50	50	~	~
10	KTA7-25S-10A	CA7-9	2.2	4	4	~	100	65	50	~	50	50	~	~
11	KTA7-25S-10A	CA7-12	2.2	4	5.5	5.5	100	65	50	4	50	50	50	~
--	KTA7-25S-10A	CA7-16	2.2	4	5.5	7.5	100	65	50	4	50	50	50	~
12	KTA7-25S-16A	CA7-12	4	5.5	~	~	100	65	~	~	50	50	~	~
--	KTA7-25S-16A	CA7-16	4	7.5	7.5	~	100	50	10	~	50	~	~	~
14	KTA7-25S-16A	CA7-23	4	7.5	10	10	100	50	10	~	50	50	~	~
15	KTA7-25S-20A	CA7-23	4	10	11	~	50	15	~	~	15	~	~	~
16	KTA7-25S-25A	CA7-23	6.3	11	13	~	50	15	~	~	15	~	~	~
17	KTA7-25H-2.5A	CA7-9	0.55	0.75	1.1	8	100	100	50	10	100	100	50	10
18	KTA7-25H-2.5A	CA7-23	0.55	0.75	1.1	1.1	100	100	50	10	100	100	50	10
19	KTA7-25H-4A	CA7-9	0.75	1.5	2.2	3	100	100	50	10	100	100	50	~
21	KTA7-25H-4A	CA7-23	0.75	1.5	2.2	3	100	100	50	10	100	100	50	50
22	KTA7-25H-6.3A	CA7-9	1.5	2.2	3	4	100	100	50	50	100	100	50	~
--	KTA7-25H-10A	CA7-9	2.2	4	4	~	100	65	50	~	100	65	~	~
24	KTA7-25H-10A	CA7-12	2.2	4	5.5	5.5	100	100	65	50	100	100	65	~
--	KTA7-25H-10A	CA7-16	2.2	4	5.5	7.5	100	100	65	50	100	100	65	50
--	KTA7-25H-16A	CA7-12	4	5.5	~	~	100	65	~	~	65	65	~	~
28	KTA7-25H-16A	CA7-16	4	7.5	7.5	~	100	65	50	~	65	65	50	~
--	KTA7-25H-16A	CA7-23	4	7.5	10	10	100	65	50	6	65	65	50	~
31	KTA7-25H-20A	CA7-23	4	10	11	~	65	65	25	~	65	65	25	~
33	KTA7-25H-25A	CA7-23	6.3	11	13	~	65	50	25	~	65	50	25	~
KTA7 + CA8 IEC Assemblies (CL8 / CLU8)														
1M	KTA7-25S-0.16A	CA8-09	~	0.02	~	~	100	65	65	65	65	65	~	~
2M	KTA7-25S-0.25A	CA8-09	0.02	0.06	0.06	~	100	65	65	65	65	65	~	~
3M	KTA7-25S-0.4A	CA8-09	0.06	0.09	0.12	~	100	65	65	65	65	65	~	~
4M	KTA7-25S-0.63A	CA8-09	0.09	0.18	0.18	~	100	65	65	65	65	65	~	~
5M	KTA7-25S-1A	CA8-09	0.12	0.25	0.37	~	100	65	65	65	65	65	~	~
6M	KTA7-25S-1.6A	CA8-09	0.25	0.55	0.75	~	100	65	65	10	65	65	~	~
7M	KTA7-25S-2.5A	CA8-09	0.55	0.75	1.1	~	100	65	65	8	65	65	~	~
8M	KTA7-25S-4A	CA8-09	0.75	1.5	2.2	~	100	65	65	8	50	50	~	~
9M	KTA7-25S-6.3A	CA8-09	1.5	2.2	2.2	~	100	65	65	4	~	~	~	~
10M	KTA7-25S-10A	CA8-09	2.2	4	4	~	100	65	65	4	~	~	~	~
11M	KTA7-25S-10A	CA8-12	2.2	4	4	~	100	65	65	4	~	~	~	~
12M	KTA7-25S-16A	CA8-12	4	5.5	~	~	100	50	50	3	~	~	~	~

Gray type indicates non-cataloged assembly. Contact your Sprecher+ Schuh representative for information.

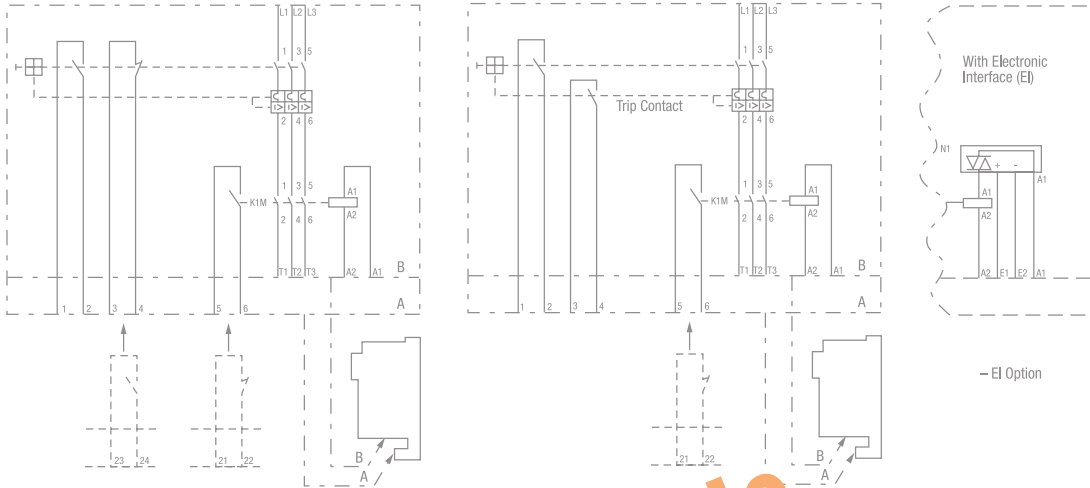
① The ratings in these tables assume connection between components are made with Sprecher + Schuh Connection Modules. Engineering Practice allows wire connection as an alternative.

② kW ratings shown in the table are for reference. Final selection of the starter depends upon the actual motor full-load current and service factor.

Section Obsolete
See pages F1.40 - F1.55

EcomboPlus Combination Starters

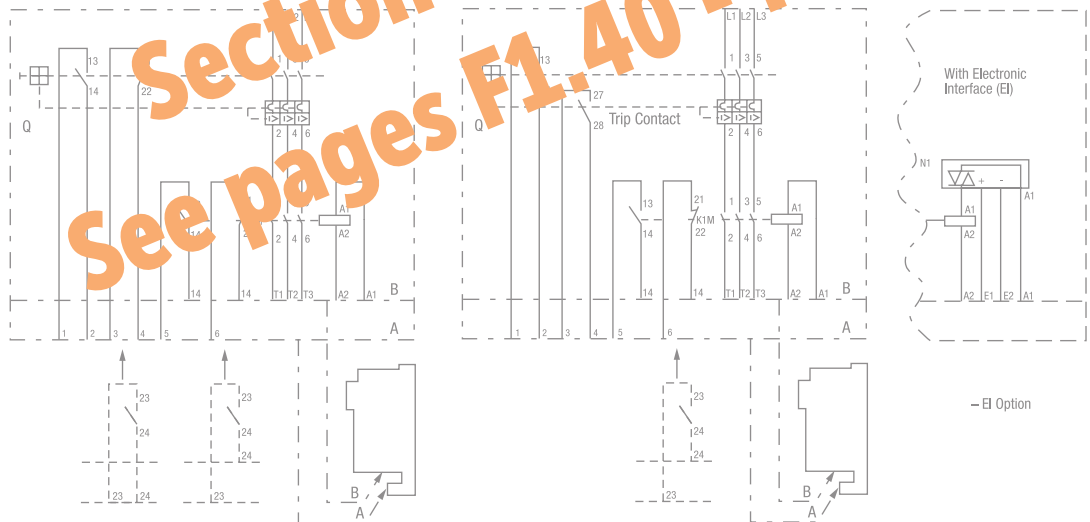
CK7-9...23



- EI Option

Section Obsolete
See pages F1.40 - F1.55

CK7-10...43



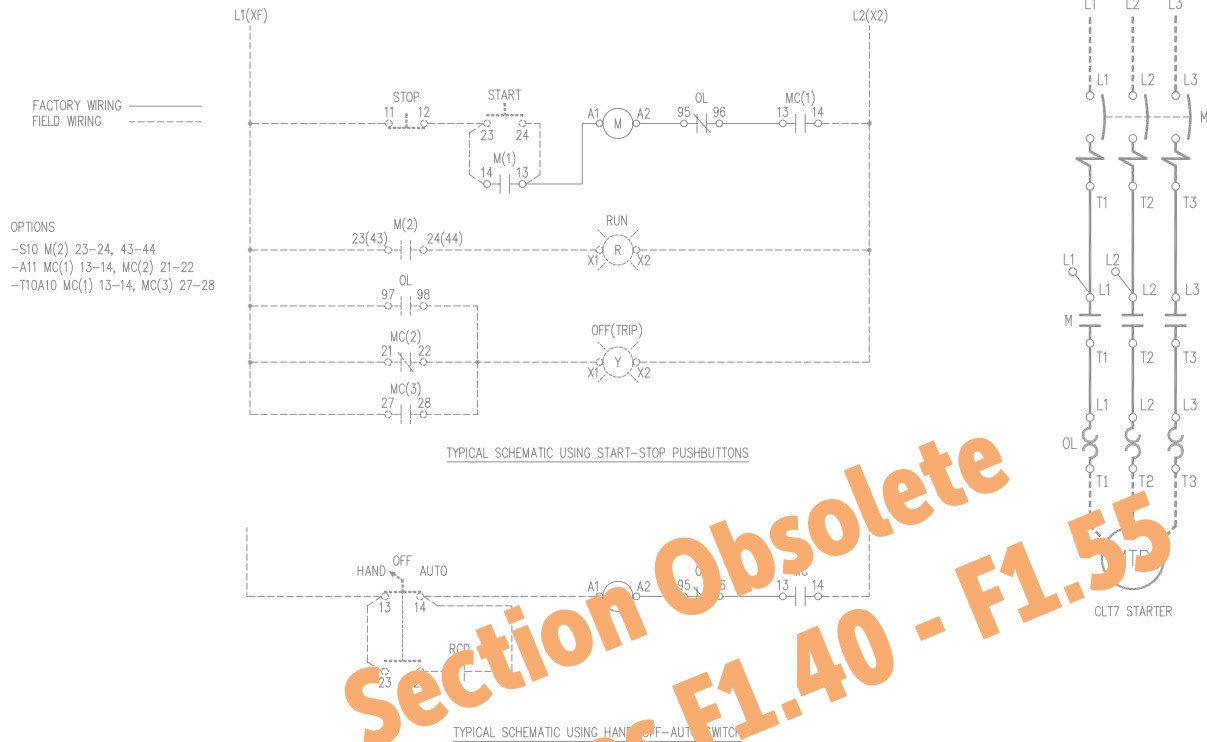
- EI Option

F
Ecombo Circuit Controllers

3-Component ECombo Starters

CLT7-9...43 Typical Diagram

CUSTOMER TO SUPPLY PROPER BRANCH
CIRCUIT PROTECTION AS PER LOCAL CODES.
(USE 75°C COPPER WIRE ONLY)



NOTES:

- 1) RCD: STANDS FOR REMOTE CONTROL DEVICE BY CUSTOMER.
- 2) MC: KTB7 MOTOR CONTROLLER.

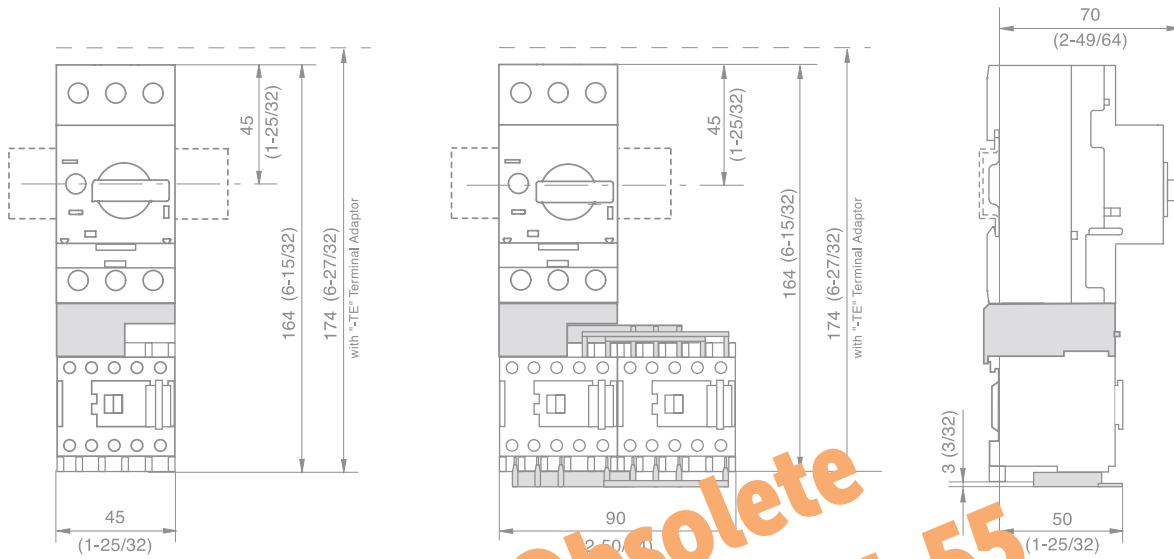
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F
ECombo Circuit Controllers

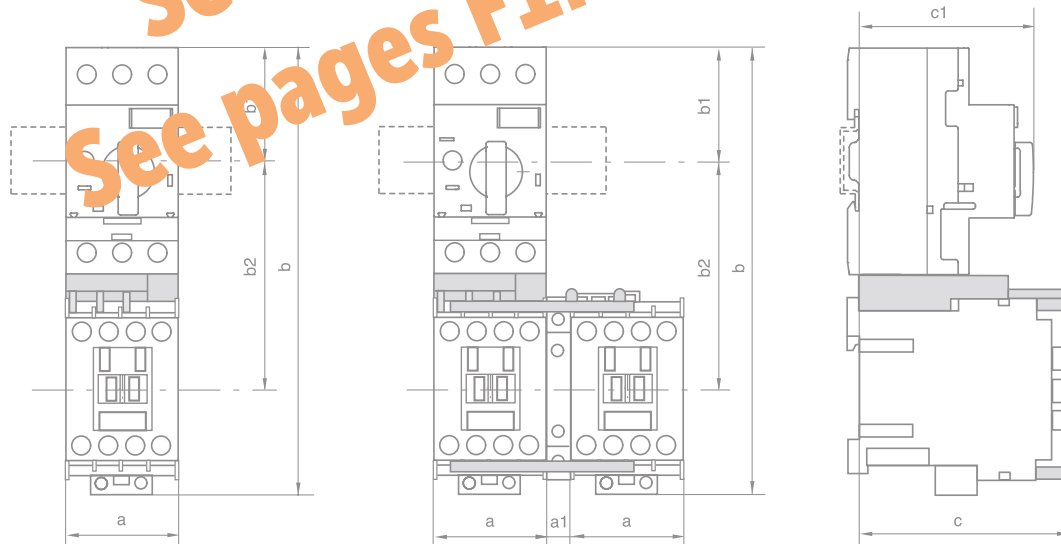
Ecombo Combination Starters

CL8 and CLU8 Ecombo Starters with KT7-25S

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



CL7-9...23(E) and CLU7-9...23(E) Ecombo Starters with KT7-25S



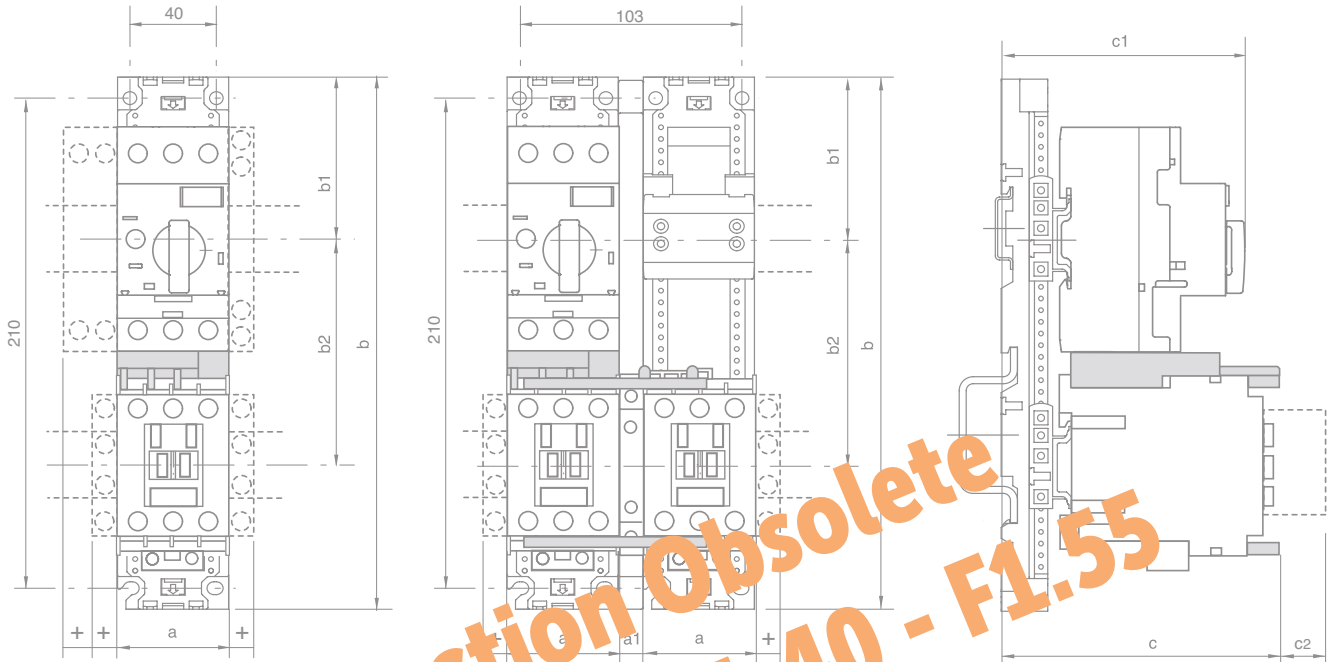
Catalog Number ❶	a	a1	b	b1	b2	c	c1
CL7-9(E)...CL7-23(E)	45 (1-25/32)	0	178 (7)	45 (1-25/32)	~	83.5 (3-19/64)	70 (2-49/64)
CL7-9(E)...CL7-23(E) with -TE1 Terminal Adaptor	45 (1-25/32)	0	188 (7-13/32)	55 (2-5/32)	~	83.5 (3-19/64)	70 (2-49/64)
CLU7-9(E)...CLU7-23(E)	45 (1-25/32)	10 (25/64)	178 (7)	45 (1-25/32)	~	83.5 (3-19/64)	70 (2-49/64)
CLU7-9(E)...CLU7-23(E) with -TE1 Terminal Adaptor	45 (1-25/32)	10 (25/64)	188 (7-13/32)	55 (2-5/32)	~	83.5 (3-19/64)	70 (2-49/64)

❶ Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

Ecombo Combination Starters

CL7-30...43(E) and CLU7-30...43(E) Ecombo Starters with KT7-45H

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



Catalog Number ①②	a	a1	b	b1	b2	c	c1	c2	+
CL7-30(E)	54 (2.125)	~	228 (8.97)	69 (2.72)	105 (4.30)	122.5 (4.82)	134.5 (5.29)	~	9
CL7-37(E)	54 (2.125)	~	228 (8.97)	69 (2.72)	105 (4.30)	122.5 (4.82)	134.5 (5.29)	~	9
CL7-43(E)	54 (2.125)	~	228 (8.97)	69 (2.72)	105 (4.30)	136 (5.35)	137 (5.39)	31 (1.22)	9
CLU7-30(E)	54 (2.125)	9	228 (8.97)	69 (2.72)	105 (4.30)	122.5 (4.82)	134.5 (5.29)	~	9
CLU7-37(E)	54 (2.125)	9	228 (8.97)	69 (2.72)	105 (4.30)	122.5 (4.82)	134.5 (5.29)	~	9
CLU7-43(E)	54 (2.125)	9	228 (8.97)	69 (2.72)	105 (4.30)	136 (5.35)	137 (5.39)	31 (1.22)	9

① CL7-30...43(E) and CLU7-30...43(E) include W-32490 Mounting Module. CLU7 includes W-32955 Spacer.

② Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V... 250V Electronic DC coils. See page A86 for details.

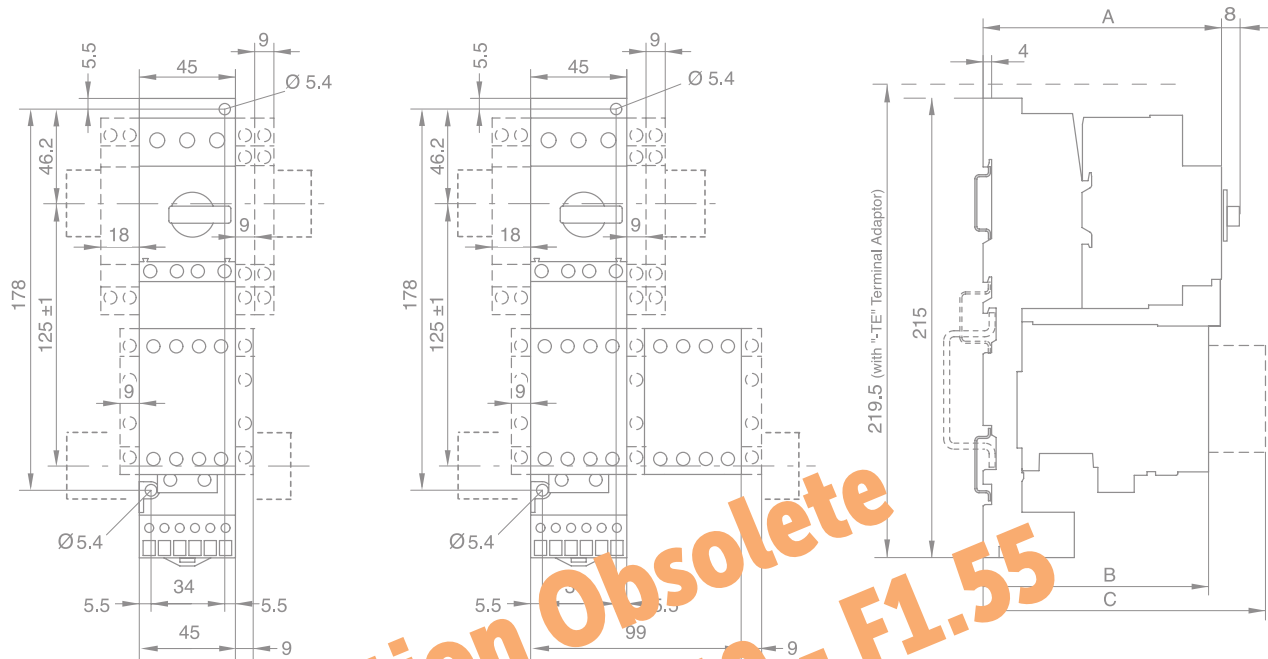
Section Obsolete
See pages F1.40 - F1.55

F
Ecombo Circuit Controllers

EcomboPlus Combination Starters

CK7-9...23 and CKU7-9...23 EcomboPlus Starters

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



Section Obsolete
See pages F1.40 - F1.55

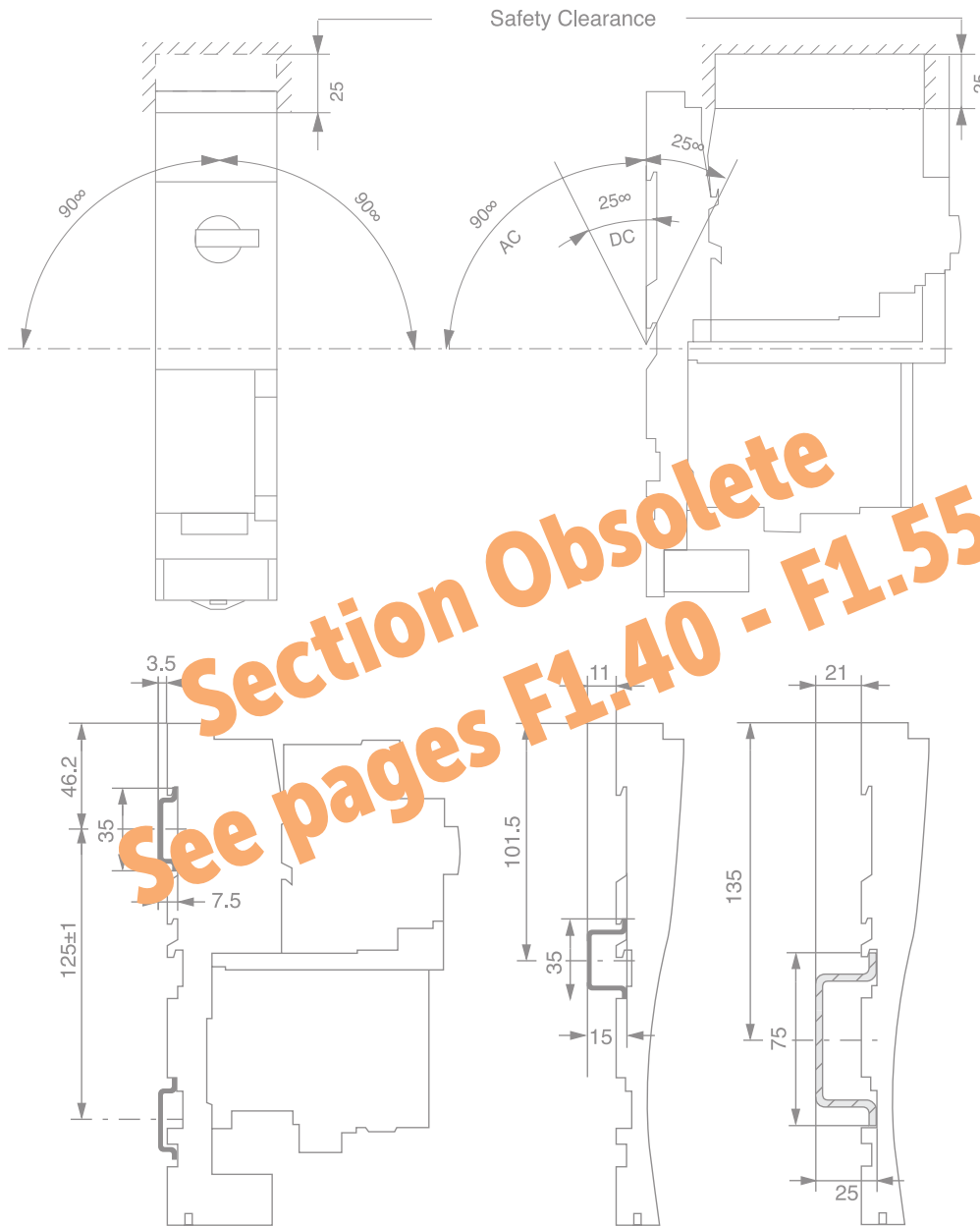
		A (mm)	B (mm)		
Direct on-line starters ①					
CK7-9(E)	KT7-25S	112	107	→	CA7-PV, CS7-PV CZE-7, CZA7 CV7
CK7-12(E)					
CK7-16(E)					
CK7-23(E)					
Reversing Starters					
CKU7-9	KT7-25S	112	107	→	CA7-PV, CS7-PV CZE7, CZA7 CV7
CKU7-12					
CKU7-16					
CKU7-23					

① Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

EcomboPlus Combination Starters

CK7-9...23

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



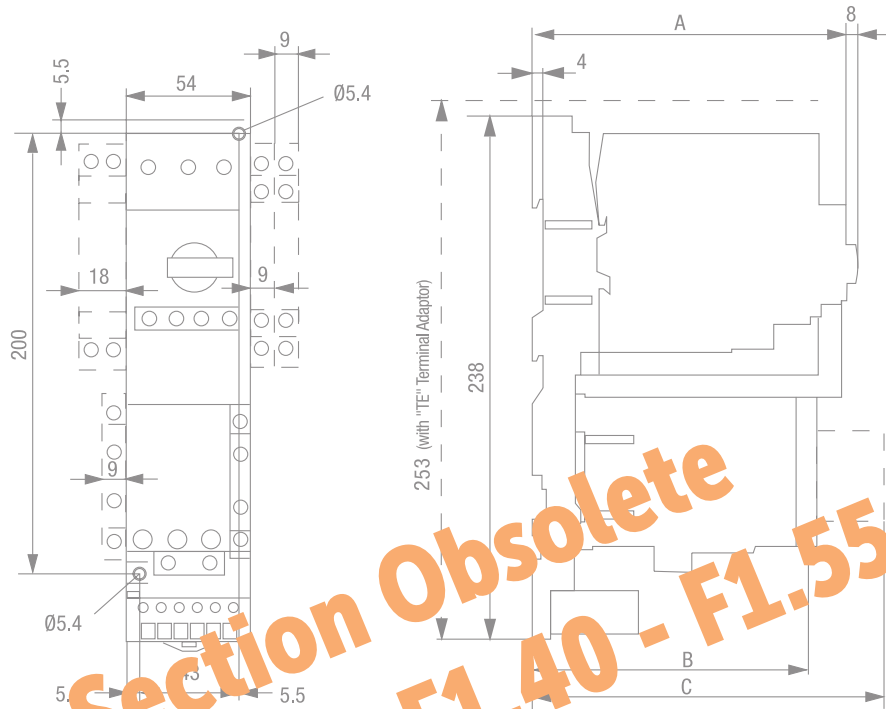
Section Obsolete
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F
 Ecombo Circuit Controllers

EcomboPlus Combination Starters

CK7-30...37

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



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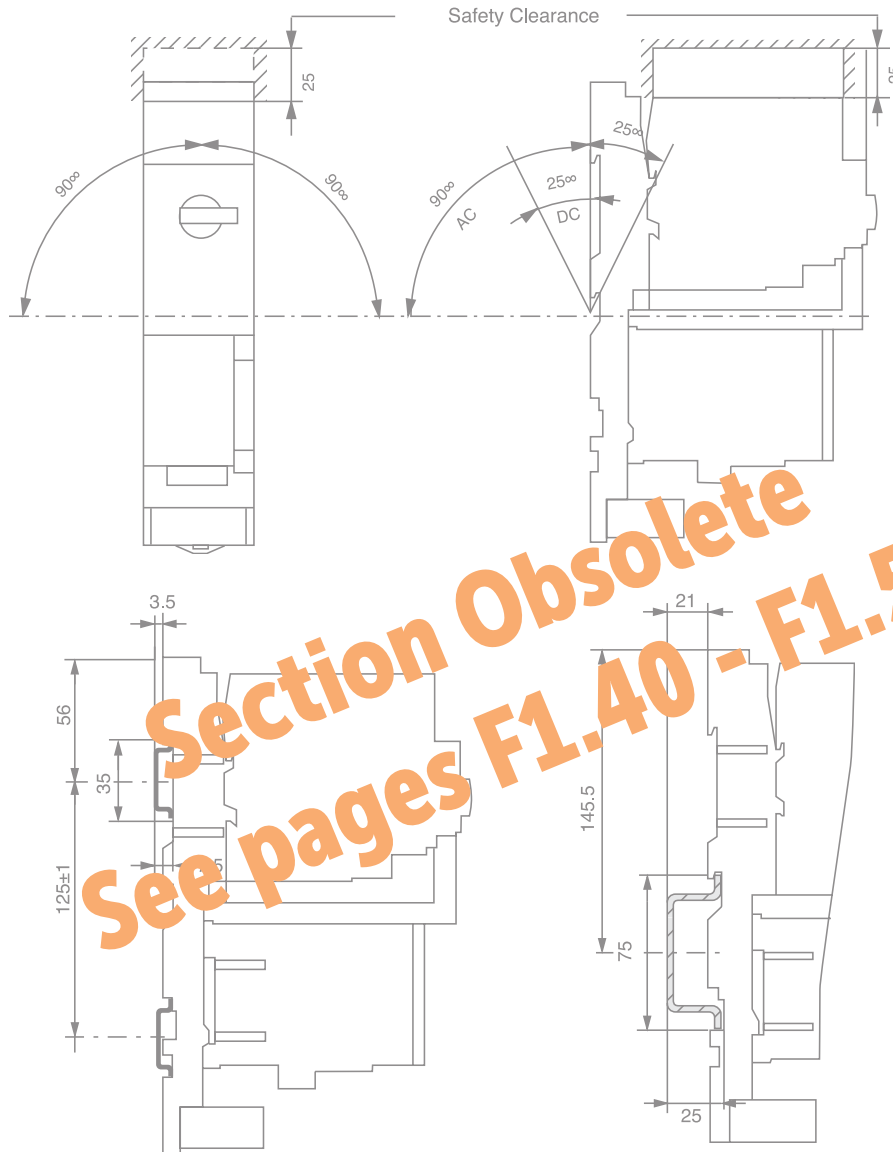
		A (mm)		B (mm)		C (mm)	
CK7-30(E) ①	KT7-45H	135	124			CA7-PV	154.5
CK7-37(E) ①						CZE7	173.5
						CV7	176.5

① Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

EcomboPlus Combination Starters

CK7-43

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



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See previous page for dimensions A , B & C locations

		A (mm)	B (mm)
		135	118.5

	C (mm)
	157
	176
	179

① Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

Non-Reversing Three Component Combination Starters ③



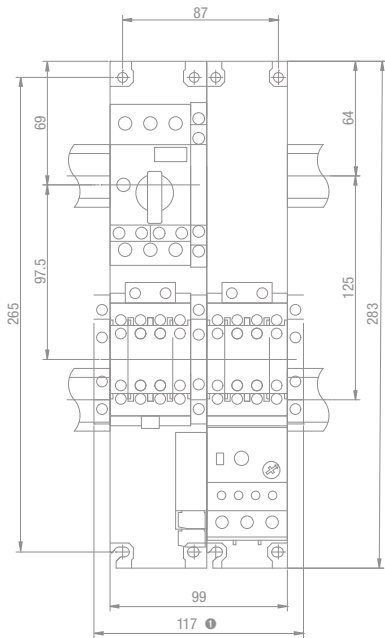
Section Obsolete
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Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.

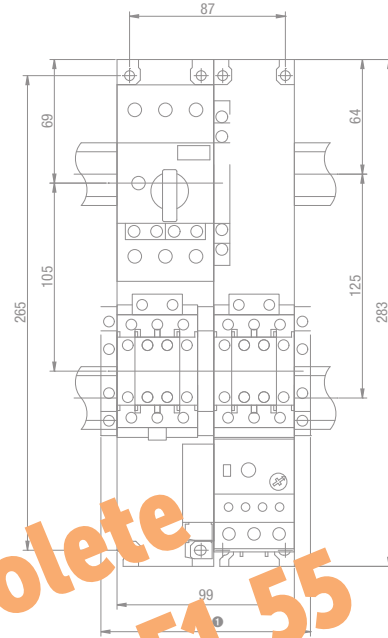
- ① With additional side mount auxiliary or trip contact(s)
- ② With CEP7-E* Side Mount Modules
- ③ Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

Reversing Three Component Combination Starters ②

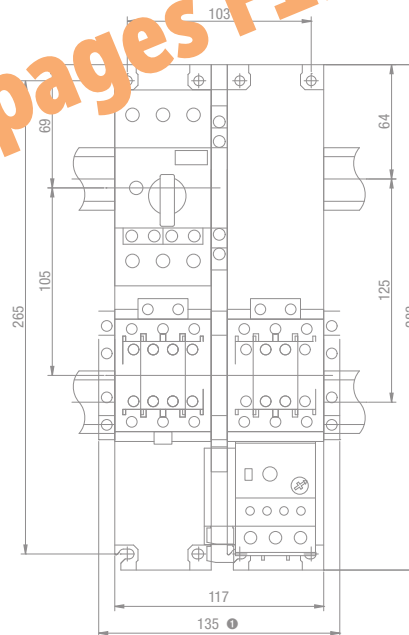
KTB7-25S + CAU7-9...37 + CEP7-ED1/EE



KTB7-45H + CA7-30...37 + CEP7-EE



KTB7-45H + CA7-43...37 + CEP7-EE



Section Obsolete
See pages F1.40 - F1.55

Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.

- ① With additional side mount auxiliary contact(s)
- ② Dimensions shown apply to AC coil contactors, or 12V or 24V Electronic DC coil contactors. Add 24 mm (1-25/32") to accommodate back pack on 36V...250V Electronic DC coils. See page A86 for details.

Notes

**Section Obsolete
See pages F1.40 - F1.55**