



Boddingtons Power Controls

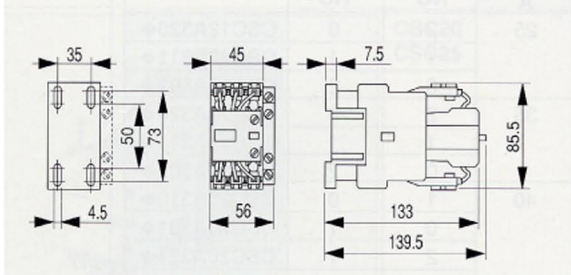
UNIT 1, ZONE D CHELMSFORD ROAD INDUSTRIAL ESTATE, GREAT DUNMOW, ESSEX CM6 1XG, UK

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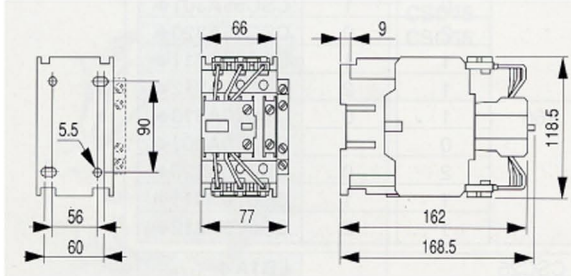
Website: www.boddingtonspowercontrols.co.uk Email: info@boddingtonspowercontrols.co.uk

Series CSC and CK Contactors Suitable for PFC Capacitor Switching

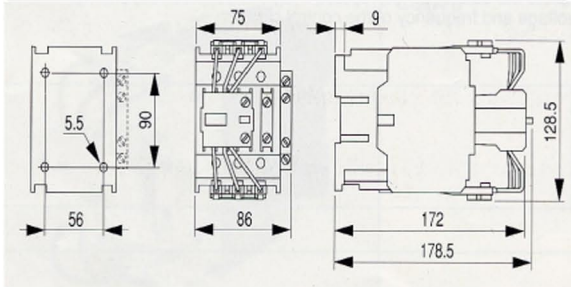
Switches 25kVAr @ 415V, 50Hz – IN STOCK CSC25



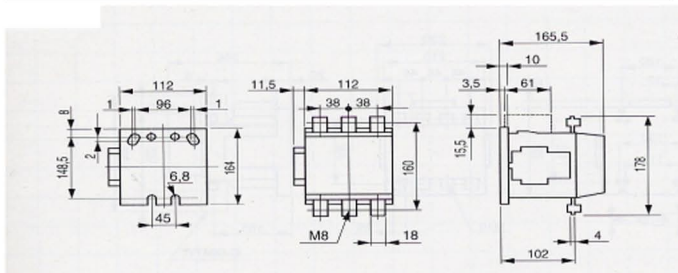
Switches 55kVAr @ 415V, 50Hz – IN STOCK CSC 55



Switches 73kVAr @ 415V, 50Hz CSC70



Switches 100kVAr @ 415V, 50Hz – IN STOCK CK 75



Technical characteristics

General

Storage Temperature	-50 to + 80°C
Operation temperature	-25 to 55°C (without derating)
Altitude to 3000 m	Nominal value
Mounting positions	Vertical mounting $\pm 30^\circ\text{C}$

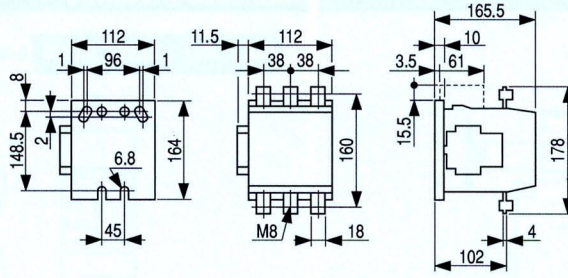
Instantaneous auxiliary contact blocks
All contactors supplied with one N/O aux contact
Unless otherwise specified.

Rating insulation voltage U_i	1000V
Rating thermal current I_{th}	10A

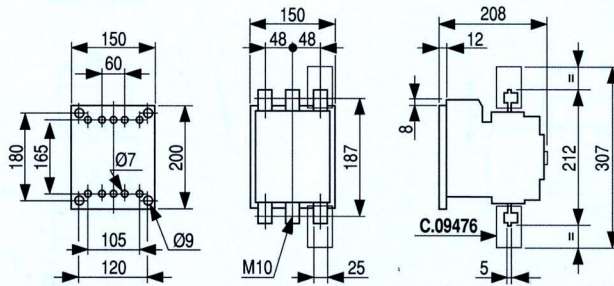
Dimensional drawings

Three pole contactors

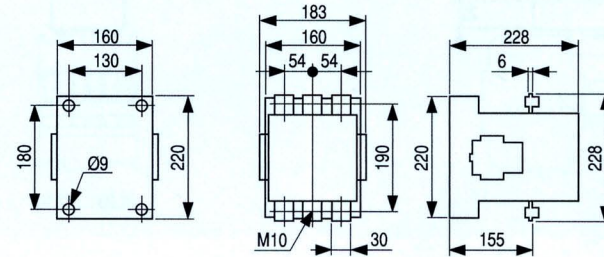
CK75C 3.500 kg
CK08C 3.500 kg



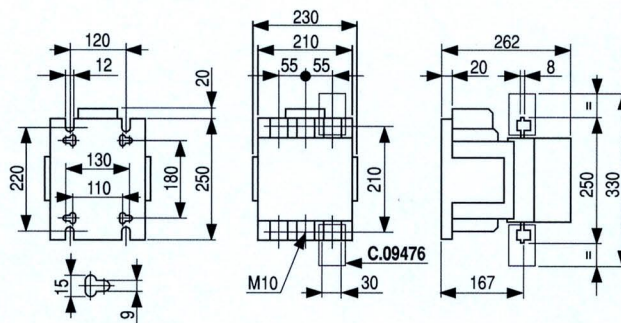
CK85B 6.100 kg
CK09B 6.200 kg
CK95B 6.300 kg



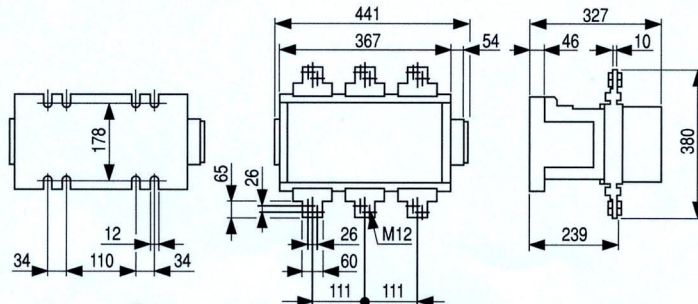
CK10C 11.00 kg
CK11C 11.00 kg



CK12B 18.00 kg

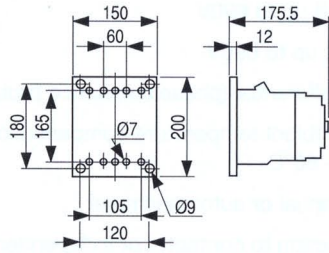


CK13B 35.00 kg

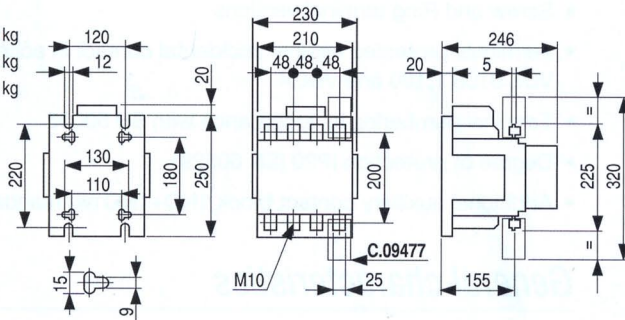


Four pole contactors

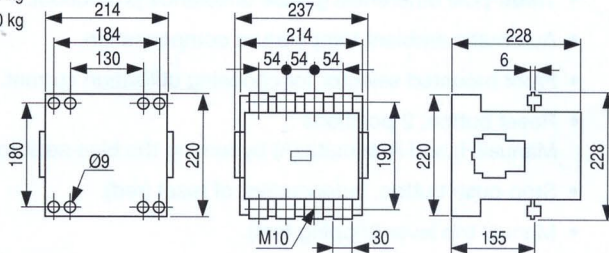
CK07B 4.700 kg



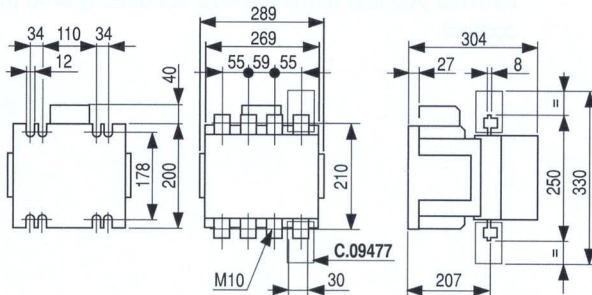
CK08B 14.90 kg
CK09B 15.10 kg
CK95B 15.30 kg



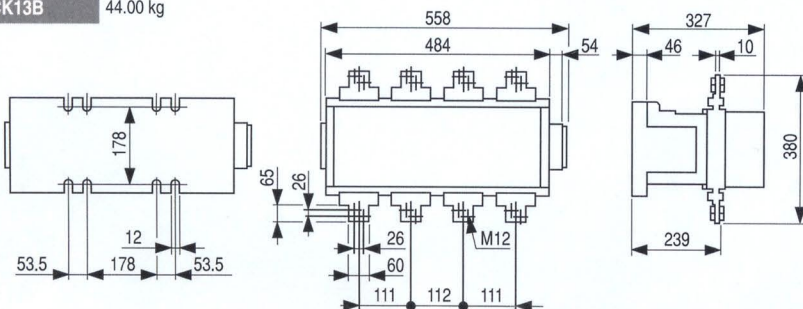
CK10C 22.30 kg
CK11C 22.80 kg



CK12B 23.30 kg



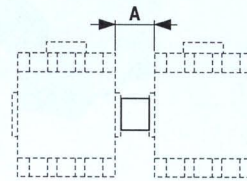
CK13B 44.00 kg



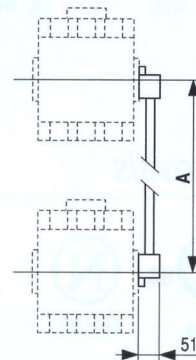
Mechanical interlock

BEKH 0.350 kg

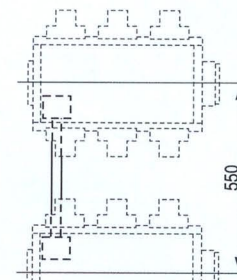
	A
CK75C3... - CK08C3...	55
CK85B3... - CK95B3...	55
CK10C3... - CK11C3...	33
CK12B3...	75



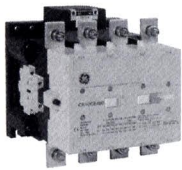
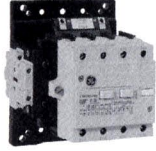
	A	
BEKVA1	550	0.900 kg
BEKVS1	350	0.800 kg



BEKV 1.200 kg



Four pole contactors



Max.oper. current	AC-3		Admissible power					Electrical endurance	Control circuit: Alternating current		Control circuit: A.C. / D.C.		
	Non-inductive loads		AC-1						Cat. AC-3 Operations	Cat. no. ⁽¹⁾	Pack	Cat. no. ⁽¹⁾	Pack
	A	kW	A	kW	kW	kW	kW						
200	55	105	76	131	143	151	173	1x10 ⁶	CK07BA411	◆ 1	CK07BE411	◆ 1	
325	100	185	123	214	233	247	281	0.6x10 ⁶	CK08BA411	◆ 1	CK08BE411	◆ 1	
400	132	250	152	263	287	304	346	0.6x10 ⁶			CK09BE411	◆ 1	
500	160	309	191	329	359	380	415	0.6x10 ⁶			CK95BE411	◆ 1	
600	220	408	228	395	431	456	519	0.5x10 ⁶			CK10CE411	◆ 1	
700	280	530	266	460	503	533	606	0.4x10 ⁶			CK11CE411	◆ 1	
1000	375	680	381	658	719	762	866	0.4x10 ⁶			CK12BE411	◆ 1	
1250	450	800	476	822	898	952	1082	0.6x10 ⁶	CK13BA411	◆ 1			

Spare coil	CK07BA4	C04255	◆	1
	CK08BA4	C04787	◆	1
	CK13BA4	C08998	◆	1
	Control circuit with incorporated rectifier bridge CK13BA4	C09120	◆	1
Coil	CK07BE4	KB5E	◆	1
	CK08BE4 ... CK95BE4, CK12BE4	KB6E	◆	1
	CK10CE4 ... CK11CE4	KB7E	◆	1
Electronic module	CK07BE4	KM5E	◆	1
	CK08BE4 ... CK95BE4, CK12BE4	KM6E	◆	1
	CK10CE4 ... CK11CE4	KM7E	◆	1

(1) To complete the catalogue number, replace the symbol ◆ by the code corresponding to the voltage and frequency of the control circuit. (see C.18)

Auxiliary instantaneous contact block



Side mounting

Number of contacts	Contacts				Cat. no.	Ref. no.	Pack
	•3	•1	•7	•5			
	•4	•2	•8	•6			
2	2	0	0	0	BCLL20	104706	10
2	1	1	0	0	BCLL11	104707	10
combinations of more than 2 blocks							
2	2	0	0	0	BRLL20	104704	10
2	1	1	0	0	BRLL11	104705	10
2	0	2	0	0	BRLL02	106622	10

For reference numbers, see chapter X, pg. X.4

Accessories

Transient voltage suppressor



For use with:	Mounting	Voltage	Ue	Cat. no.	Ref. no.	Pack
Fixation to the coil terminals, that allows simultaneous use with the auxiliary contact blocks.						
CK75 ... CK08		AC	24V - 48V	BSLR3G	104716	10
CK75 ... CK08		AC	50V - 127V	BSLR3K	104717	10
CK75 ... CK08		AC	130V - 240V	BSLR3R	104718	10
CK75 ... CK08		AC	227V - 500V	BSLV3U	110836	10
CK85 ... CK13		AC	24V	KRC24	104760	10
CK85 ... CK13		AC	260V	KRC48/260	104761	10
CK85 ... CK13		AC	415V	KRC380/415	104762	10

Mechanical interlock



CK07B ... CK12	Horizontal			BEKH	104763	1
CK07B ... CK95	Vertical			BEKVS 1	104786	1
CK10C ... CK12B	Vertical			BEKVA 1	104785	1
CK13	Vertical			BEKV	104764	1

Pole terminal protection

CK75C ... CK08C	1 pole. VDE0106			CM1CA5F	105200	1
CK85B ... CK12B	1 pole. VDE0106	Contactors 3P		C09476	104766	6
CK08B ... CK12B	1 pole. VDE0106	Contactors 4P		C09479	204800	8
CK75C ... CK08C	1 pole IPXXB			PTPCK75	103747	1
CK85B ... CK95B	1 pole IPXXB			PTPCK95	103748	3
CK10C ... CK12B	1 pole IPXXB			PTPCK11	103749	1

Spare

Contact kits



For use with:	Type		Cat. no.	Ref. no.	Pack
One set consists of two fixed contacts, one moving contact and accessory parts. When contact replacement is needed, it is recommended to replace all the contacts at the same time.					
CK07B	NA		V1107BA	113612	1
CK75C	NA		V1175CA	113613	1
CK08C	NA		V1108CA	113614	1
CK08B	NA	Contactors 4P	V1108B4	113505	1
CK85B	NA		V1185BA	113615	1
CK09B	NA		V1109BA	113616	1
CK09B	NA	Contactors 4P	V1109B4	113899	1
CK95B	NA		V1195BA	113617	1
CK10C	NA		V1110CE	113618	1
CK11C	NA		V1111CE	113619	1
CK12B	NA		V1112BA	113620	1
CK13B	NA		V1113BA	113621	1