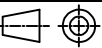



1	2	3	4	5	6	7	8	9	10	11	12
A											
B											
C											
D											
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G											
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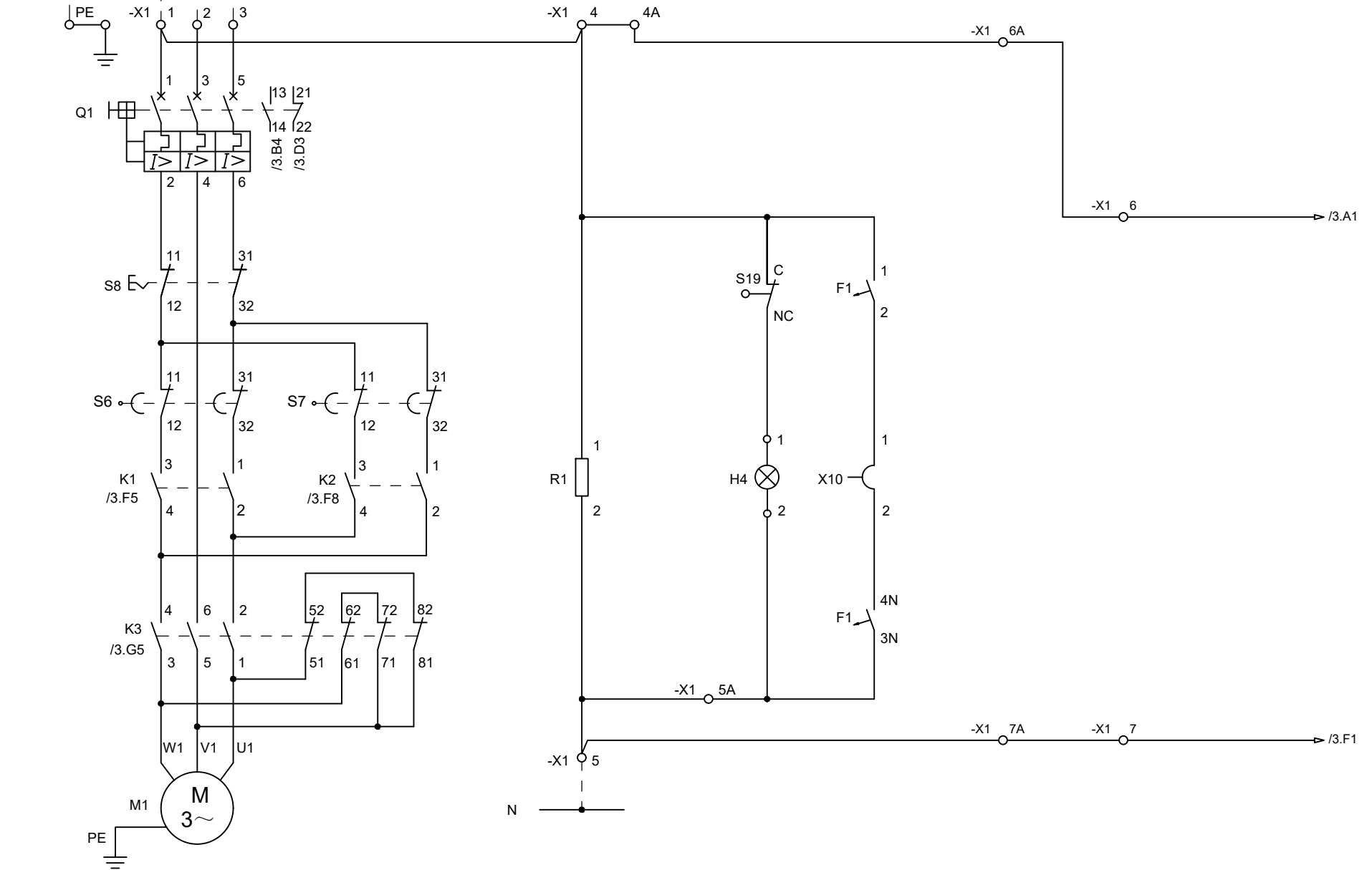
Page No.	Title	REV.					Note
		A	B	C	D	E	
1	Table of Content						
2	Motor and Heating Circuit						
3	Control Circuit						
4	Output signal						
5	Tap position signal						
6	Terminal						
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8	CMA7 layout						
9	Appendix						

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380V/3PH/50Hz
 L1
 L2
 L3
 N
 PE

Auxiliary power
 220V/50Hz

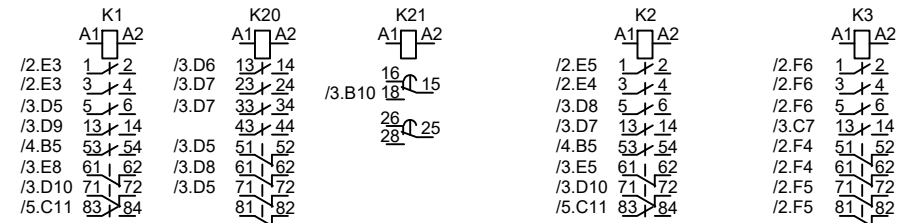
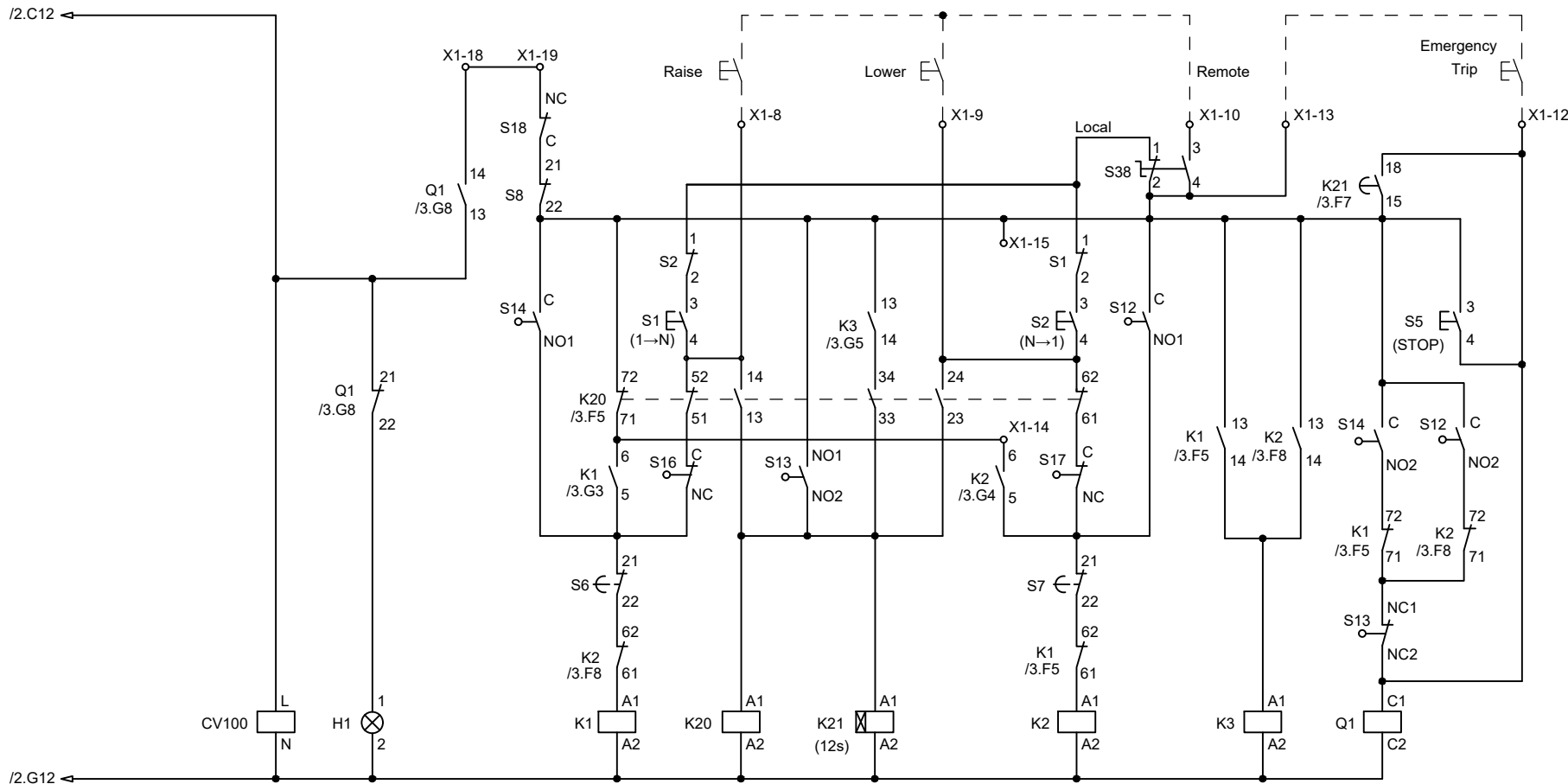
Control power
 220V/50Hz



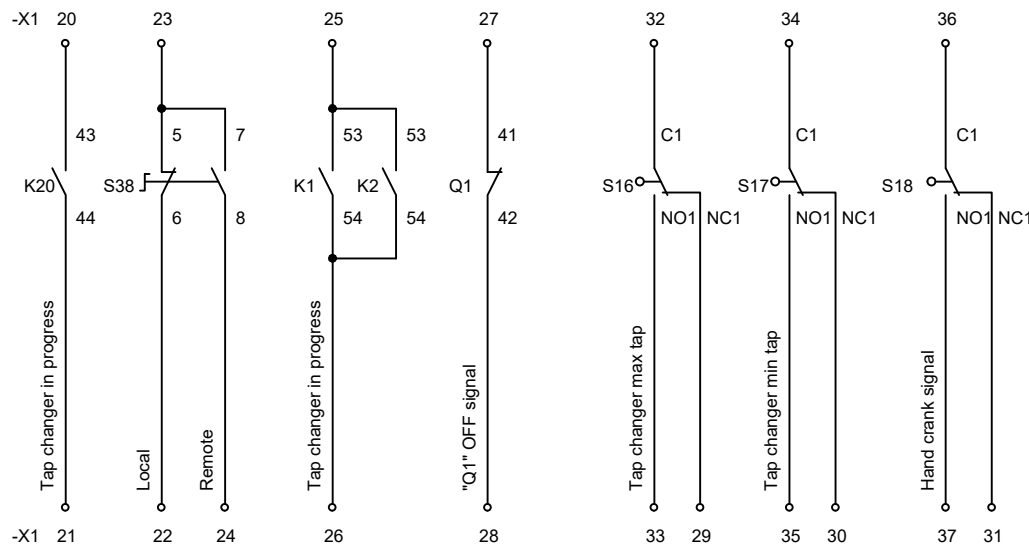
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 Page 2
 Total 9

Motor and Heating Circuit		REV.
Drawing No.	CMA7-7E124-17	
Tap Changer No.		

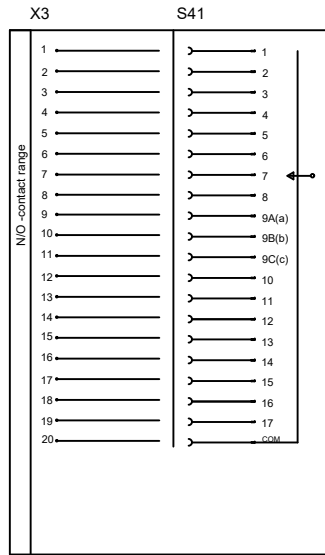


									Control Circuit		
DESIGNED											REV.
CHECKED											
APPROVED											
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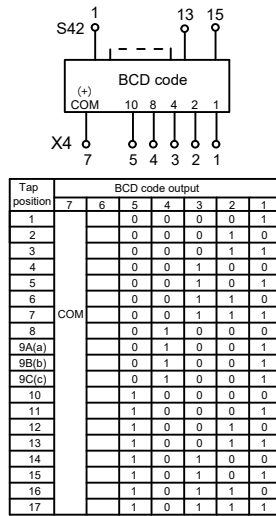


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DATE		REV.	DATE	MODIFICATION	DESIGNED	CHECKED	APPROVED	Page 4	Total 9	Tap Changer No.	

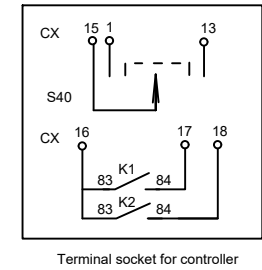
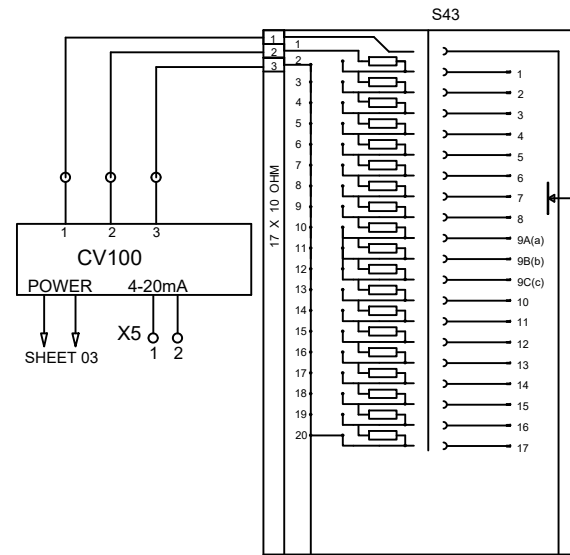




* Contact capacity:DC220V 0.5A / AC250V 5A.



* Note: "0" indicates contacts open;
"1" indicates contacts closed;
* Contact capacity:DC220V 0.5A .
(BCD code common access"L +")

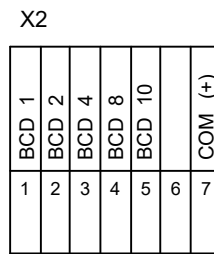
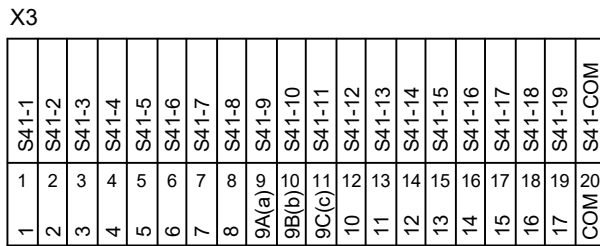
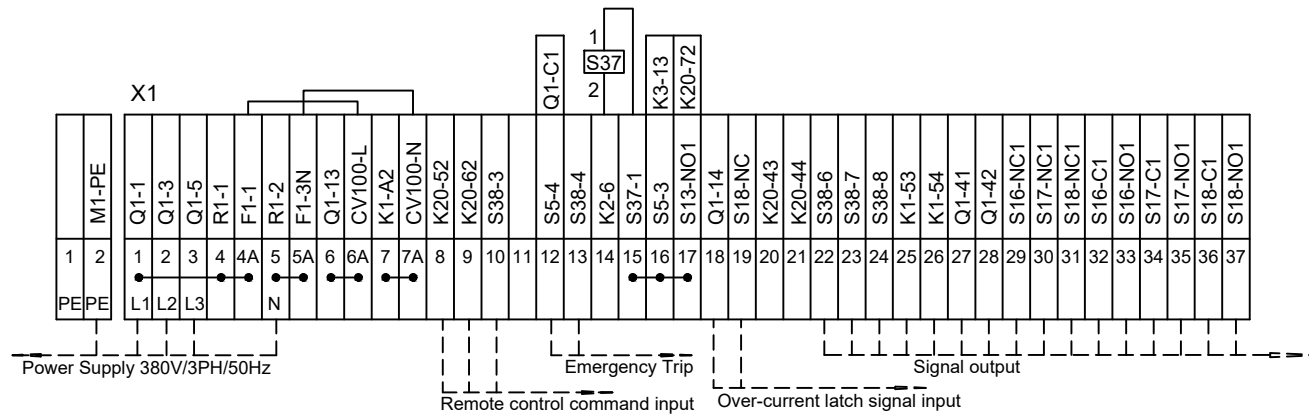


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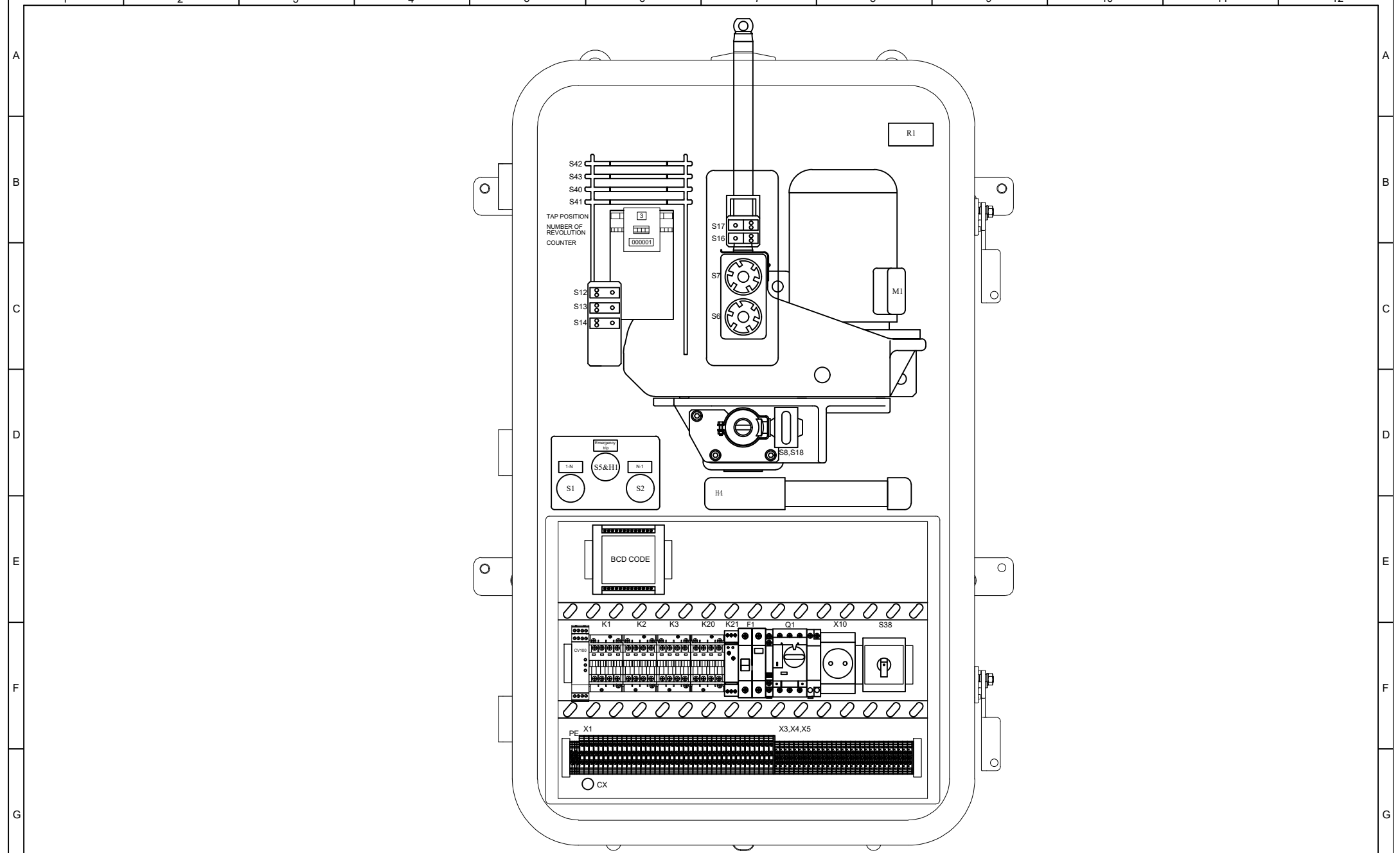


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Tap position signal		REV.
Drawing No.	CMA7-7E124-17	
Tap Changer No.		



	DESIGNED								Terminal		REV.
	CHECKED								Drawing No.	CMA7-7E124-17	
	APPROVED								Page 6		
	DATE	REV.	DATE	MODIFICATION	DESIGNED	CHECKED	APPROVED		Total 9	Tap Changer No.	



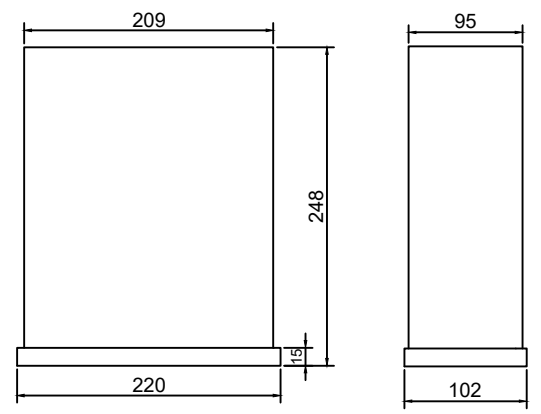
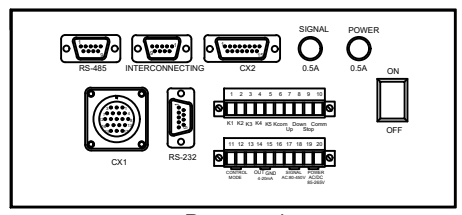
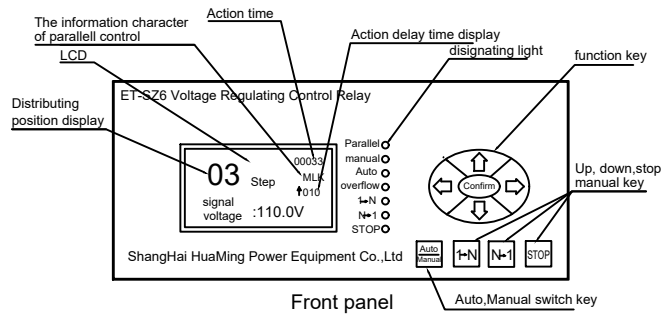
* The protection level of motor drive unit cabinet is IP66.

									CMA7 layout		
DESIGNED		REV.	DATE	MODIFICATION	DESIGNED	CHECKED	APPROVED	Page 8	Drawing No.	CMA7-7E124-17	REV.
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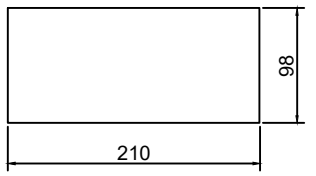
CMA7 MDU electrical elements list

No.	Name	Model	Technical parameters	Manufacturer	Quantity	Designation
1	CIRCUIT BREAKER	3RV6011-1CA15	1.6-2.5A	SIEMENS	1	Q1
2	MOTOR	YS TYPE	380V/50Hz-0.75kW	SENLIMA	1	M1
3	MOTOR CONTACTOR	GSC1-1210 M7	AC220V 50/60Hz	TIANSHUI	2	K1,K2
4	BRAKE CONTACTOR	GSC1-1210 M7	AC220V 50/60Hz	TIANSHUI	1	K3
5	STEP BY STEP RELAY	JZC3-40d M7	AC220V 50/60Hz	TIANSHUI	1	K20
6	TIME RELAY	GRT8-A2/W240	AC/DC 12-240V 50/60Hz	GEYA	1	K21
7	PUSH BUTTON FOR K1,K2	LA42P11-G	AC250V/5A DC250V/0.3A	TAYEE	2	S1,S2
8	EMERGENCY PUSH BUTTON "OFF" FOR "Q1"	LA42PD11-R	AC250V/5A DC250V/0.3A	TAYEE	1	S5
9	SIGNAL LAMP	DZ-III/R	AC220V 50/60Hz	TAYEE	1	H1
10	SELECTOR	LW8-10D	10A	CANSEN	1	S38
11	HEATER	WDJR-100	AC200-240V 50/60Hz 100W	WENDA	1	R1
12	HAND LAMP	HML-1	85~265V AC/DC 50/60Hz 5W	HUAMING	1	H4
13	LIMIT SWITCH (MOTOR)	LX-03	AC690V-10A	BEILUN	2	S6,S7
14	SAFETY SWITCH	LX-03	AC690V-10A	BEILUN	1	S8
15	CAM SWITCHES FOR CONTROL DIRECTION	Z-10FM22Y-B	AC250V/5A DC250V/0.3A	OMRON	2	S12,S14
16	CAM SWITCHES FOR STEP-BY-STEP OPERATION	Z-10FM22Y-B	AC250V/5A DC250V/0.3A	OMRON	3	S13
17	LIMIT SWITCH	LXW18-22B	AC250V/5A DC250V/0.3A	FEILI	2	S16,S17
18	SAFETY SWITCH	LXW18-22B	AC250V/5A DC250V/0.3A	FEILI	1	S18
19	DOOR LAMP SWITCH	LXW5-A11M	AC250V/5A DC250V/0.3A	GONGXIN	1	S19
20	N/O CONTACT RANGE	HM-S40	AC250V-10A	HUAMING	4	S40-S43
21	TERMINAL BARS	UK5-TWIN	600V/32A-0.2-4mm ²	PHOENIX	41	X1
22	TERMINAL BARS	UK5N	600V/32A-0.2-4mm ²	PHOENIX	29	X3,X4,X5
23	TERMINAL BARS	USLKG5	41A-0.2-4mm ²	PHOENIX	2	PE
24	POSITION TRANSMITTER	BCD-39	BCD CODE	HUAMING	1	BCD
25	POSITION TRANSMITTER	CV100D	4-20mA	HUAMING	1	CV100
26	SOCKET	ZDT-16	AC250V-10A	XIANJIN	1	X10
27	LEAKAGE PROTECTION SWITCH	5SU1353-1KK16	In=16A;Id=30mA	SIEMENS	1	F1
28	SOCKET TERMINAL	CX24J19A	19P 500V-5A	JIUKAI	1	CX

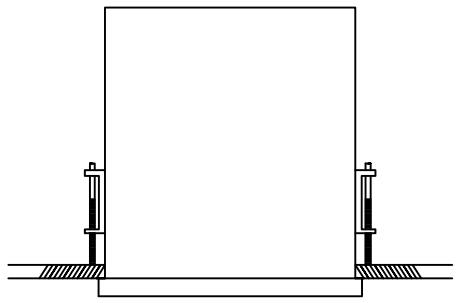
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APPROVED								Total 9	Tap Changer No.		
DATE		REV.	DATE	MODIFICATION	DESIGNED	CHECKED	APPROVED				



Dimension diagram

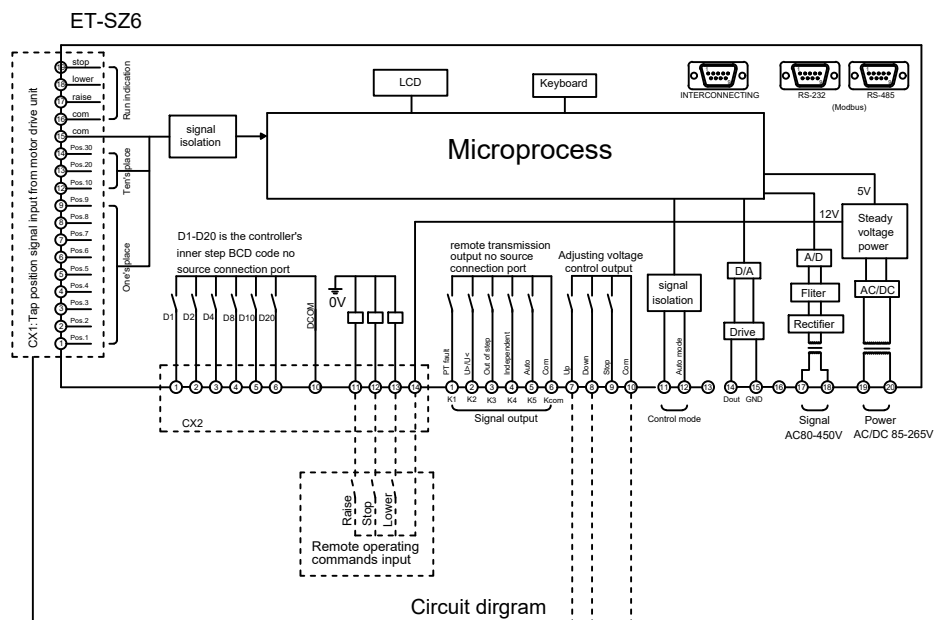


Dimension of bore

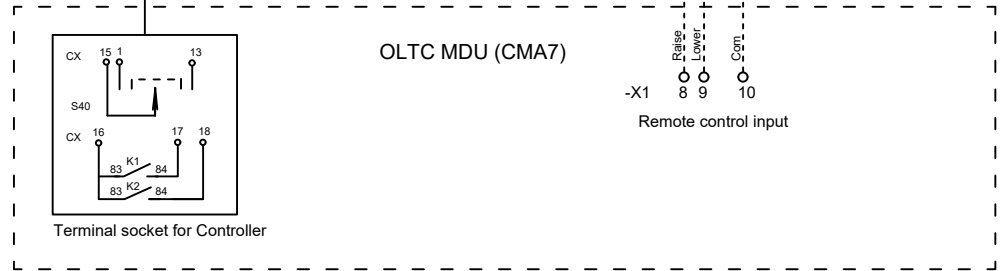


Installation diagram

Units:mm



Circuit diagram



Terminal socket for Controller

						ET-SZ6 AVR Circuit Diagram			
DESIGNED						Page 1	Drawing No.	ET-SZ6-7DEW	REV.
CHECKED						Total 1	Tap Changer No.		
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DATE	REV.	DATE	MODIFICATION	DESIGNED	CHECKED	APPROVED			