


0	11.02.02	ISSUED		CA	CA	AM	
Rev.	Date	Description	Drawn	Checked	Approved		
<b>CACCIALANZA &amp; C. s.p.a.</b> ANTINCENDIO SICUREZZA ANTINQUINAMENTO SEGRATE (MILANO) - ITALY		Client / Project					
		Title					
		PANEL 20 M.O. VALVES LKS6 EEXD EXECUTION					
	Date	Name					
Drawn	11.02.02	CA					
Checked	11.02.02	CA					
Approved	11.02.02	A.M.					
Code		Sys.	Size	Scale	Dwg nr.	Rev.	Sheet
			A 3		46414591	0	1
							of 30
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SHEET	DESCRIPTION	MODIFY									SHEET	DESCRIPTION	MODIFY									
		A	B	C	D	E	F	G	H	I			A	B	C	D	E	F	G	H	I	
		1	COVER	0											29							
2	MODIFY TABLE	0									30											
3	TECHNICAL DATA	0									31											
4	WIRE COLOUR TABLE	0									32											
5	POWER WIRING	0									33											
6	UZG-2 PANEL WIRING	0									34											
7	UZG-1 PANEL -VA1 OPEN/CLOSED	0									35											
8	UZG-1 PANEL -VA2 OPEN/CLOSED	0									36											
9	UZG-1 PANEL -VA3 OPEN/CLOSED	0									37											
10	UZG-1 PANEL -VA4 OPEN/CLOSED	0									38											
11	UZG-1 PANEL -VA5 OPEN/CLOSED	0									39											
12	UZG-1 PANEL -VA6 OPEN/CLOSED	0									40											
13	UZG-1 PANEL -VA7 OPEN/CLOSED	0									41											
14	UZG-1 PANEL -VA8 OPEN/CLOSED	0									42											
15	UZG-1 PANEL -VA9 OPEN/CLOSED	0									43											
16	UZG-1 PANEL -VA10 OPEN/CLOSED	0									44											
17	UZG-1 PANEL -VA11 OPEN/CLOSED	0									45											
18	UZG-1 PANEL -VA12 OPEN/CLOSED	0									46											
19	UZG-1 PANEL -VA13 OPEN/CLOSED	0									47											
20	UZG-1 PANEL -VA14 OPEN/CLOSED	0									48											
21	UZG-1 PANEL -VA15 OPEN/CLOSED	0									49											
22	UZG-1 PANEL -VA16 OPEN/CLOSED	0									50											
23	UZG-1 PANEL -VA17 OPEN/CLOSED	0									51											
24	UZG-1 PANEL -VA18 OPEN/CLOSED	0									52											
25	UZG-1 PANEL -VA19 OPEN/CLOSED	0									53											
26	UZG-1 PANEL -VA20 OPEN/CLOSED	0									54											
27	UZA-2 LAY-OUT AND FRONT PANEL	0									55											
28	UZA-1 LAY-OUT AND FRONT PANEL	0									56											

<b>CACCIALANZA &amp; C. s.p.a.</b> <small>ANTINCENDIO SICUREZZA ANTINQUINAMENTO</small> <small>SEGRATE (MILANO) - ITALY</small>	<b>TITLE</b> PANEL 20 M.O. VALVES TYPE A3-A4-A6-A8/EL	<b>CLIENT</b>	<small>DATE</small> 11.02.02	<small>DWG N°</small> 46414591
			<small>SCALE</small>	<small>PROJECT N°</small>
<small>REV.</small> 0	<small>ISSUED</small>	<small>DATE</small> 11.02.02	<small>CHECKED</small> CA	<small>SHEET N°</small> 2 <small>OF</small> 30
<small>MODIFY</small>	<small>DATE</small>	<small>APPROVED</small>		

### PANEL BOARD TECHNICAL DATA

RATED SERVICE VOLTAGE:.....400V	TYPE OF SEGREGATION:.....FORM 1	TEMPERATURE:.....40°C
RATED INSULATION VOLTAGE:.....1000V	INSTALLATION:.....OUTDOOR	DEGREE OF PROTECTION:see page 10-11
RATED FREQUENCY:.....50Hz	COMPLIANCE WITH STANDARD:.....CEI 17/13.1	COLOR:.....RED RAL7032
ELECTRICAL SYSTEM:.....3Ph+PE	IN/OUT CABLES:.....BOTTOM	

NOTE: MOV CONNECTIONS ANLY LISTED IN THE THIS DRAWINGS.  
FOR FIRE ALARM AND TECHNOLOGICAL LINES SECTIONS  
SEE CORRESPONDING DRAWINGS.

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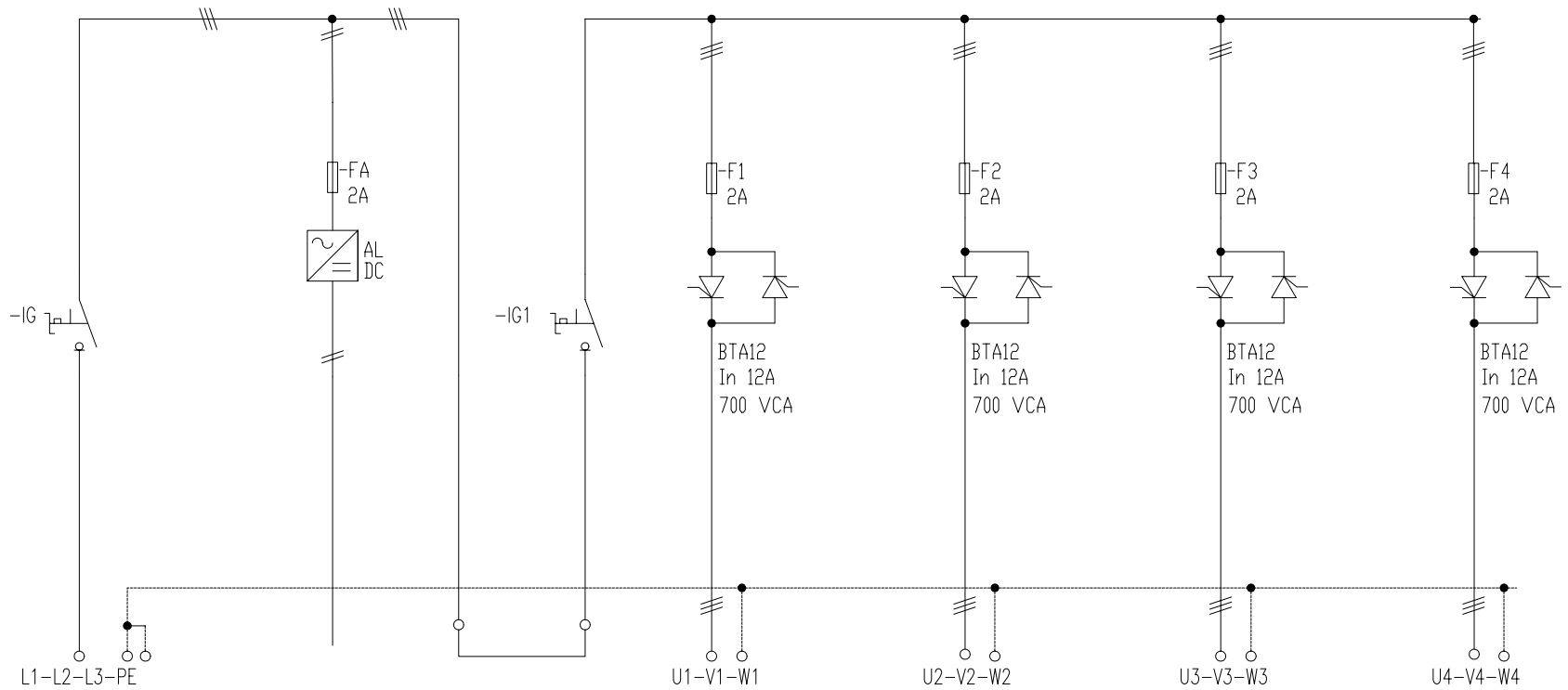
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POWER CIRCUIT		AUXILIARY CIRCUIT	
MIN. SECTION 2,5mmq		MIN. SECTION 1,5mmq	
CONDUCTOR		CONDUCTOR	
PHASES	BLACK	24V - C.A.	RED
NEUTRAL	LIGHT BLUE	110V - A.C	RED
GROUND	YELLOW-GREEN	220V - A.C	BLACK
		24V - D.C	BLUE
WIRE COLOUR TABLE			



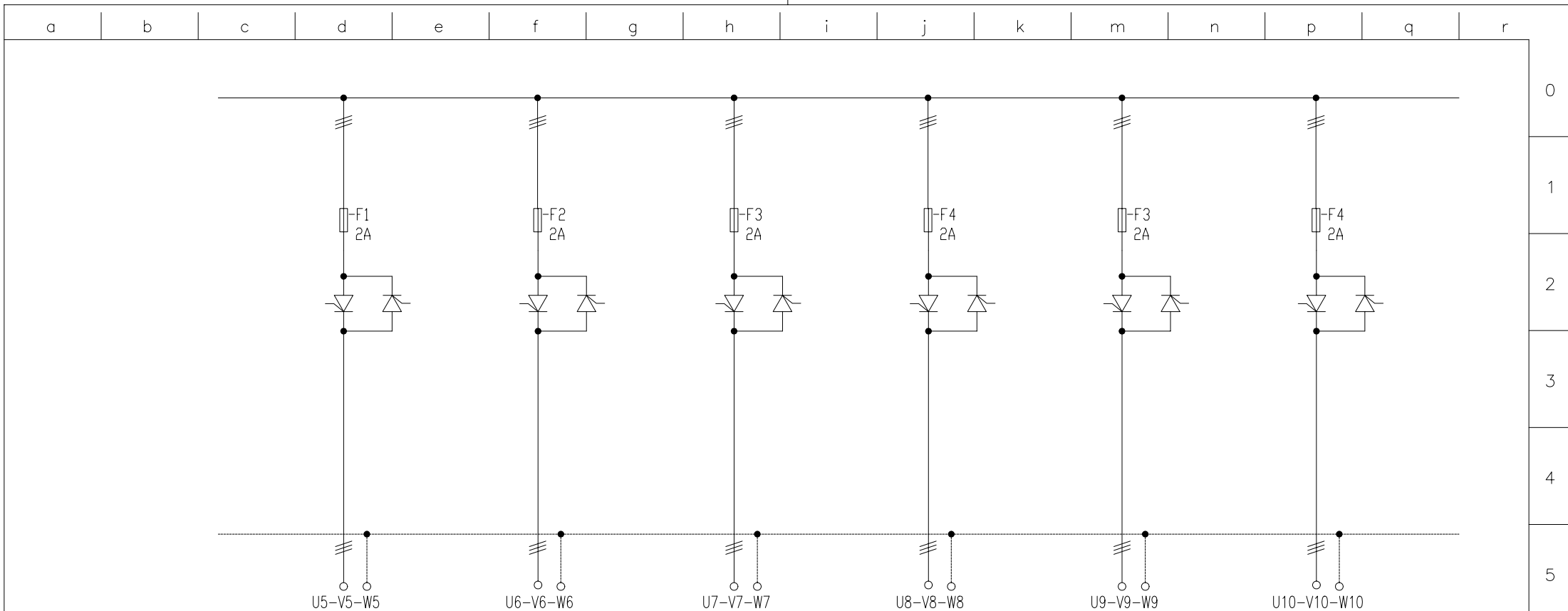
USE	CIRCUIT		n?		MAIN SUPPLY		OPEN/CLOSED VALVE - VA1		OPEN/CLOSED VALVE - VA2		OPEN/CLOSED VALVE - VA3		OPEN/CLOSED VALVE - VA4	
	DESCRIPTION													
	RATED SERVICE POWER AND CURRENT	Kw	A											
		Kw	A	1	2		0,45	0,9	0,45	0,9	0,45	0,9	0,45	0,9
ELECTRICAL EQUIPMENT	SWITCH	TYPE		P1-25 /Z										
		RATED CURRENT - N. POLES	A	n?	25	3								
		BREAKING CAPACITY	V	KA	400									
		SETTING CURRENT MAG. ELEMENT	A											
	SETTING CURRENT THE. ELEMENT	A												
	SETTING CURRENT Id	A												
	CON-TACTOR	TYPE												
		RATED CURRENT	A											
		UTILIZATION CATEGORY						AC-3		AC-3		AC-3		AC-3
	THERMAL RELAY	TYPE												
SETTING RANGE		A												
SETTING CURRENT		A												
FUSEHOLDER - TYPE & CURRENT		A												
FUSES - TYPE & SETTING CURRENT		A												
AMMETER														
VOLTMETER														
LINE CABLE	TYPE													
	SECTION	mmq					(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)	
	LANGE	mt												
	RATED CURRENT(Iz)	A												

**CACCIALANZA & C. s.p.a.**  
 ANTINCENDIO SICUREZZA ANTINQUINAMENTO  
 SEGRATE (MILANO) - ITALY

TITLE  
 PANEL 20 M.D. VALVES  
 TYPE A3-A4-A6-A8/EL

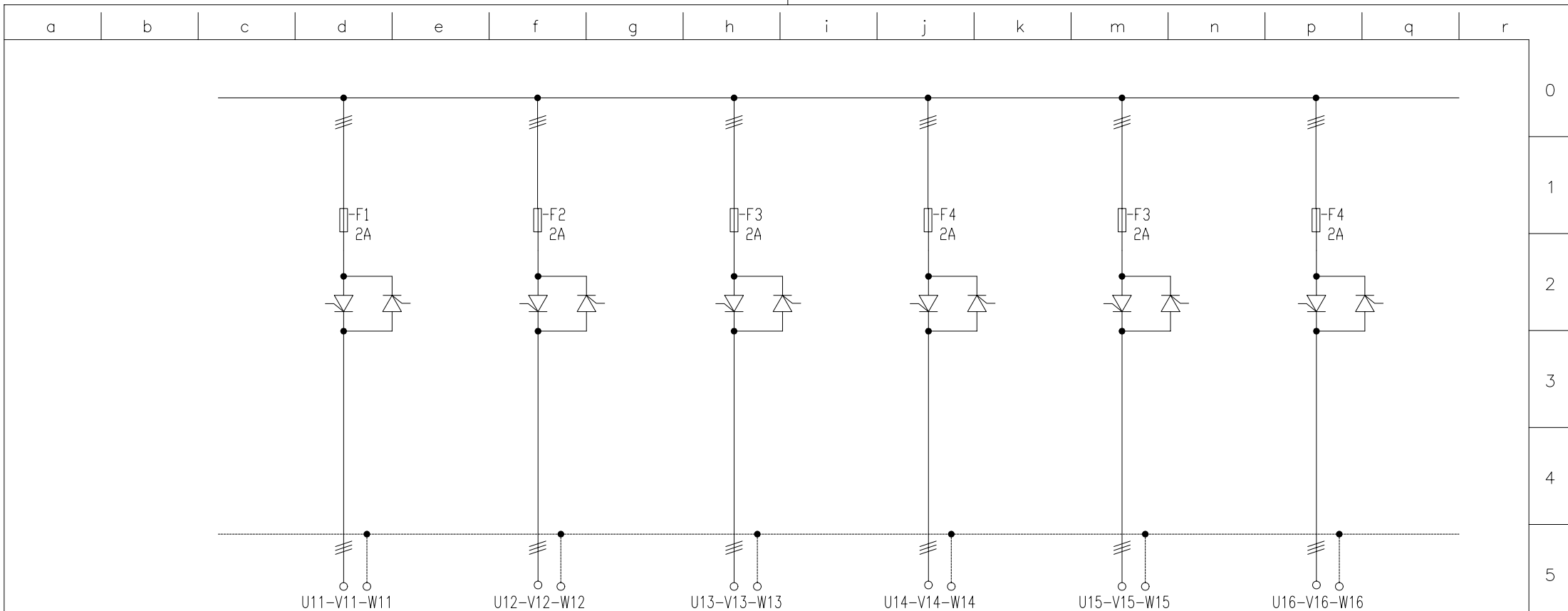
CLIENT

DATE	11.02.02	DWG N°	46414591
SCALE		DRAWN	CA
0 ISSUED	11.02.02	CHECKED	CA
REV.	MODIFY	DATE	APPROVED
		SHEET N°	5 OF 30



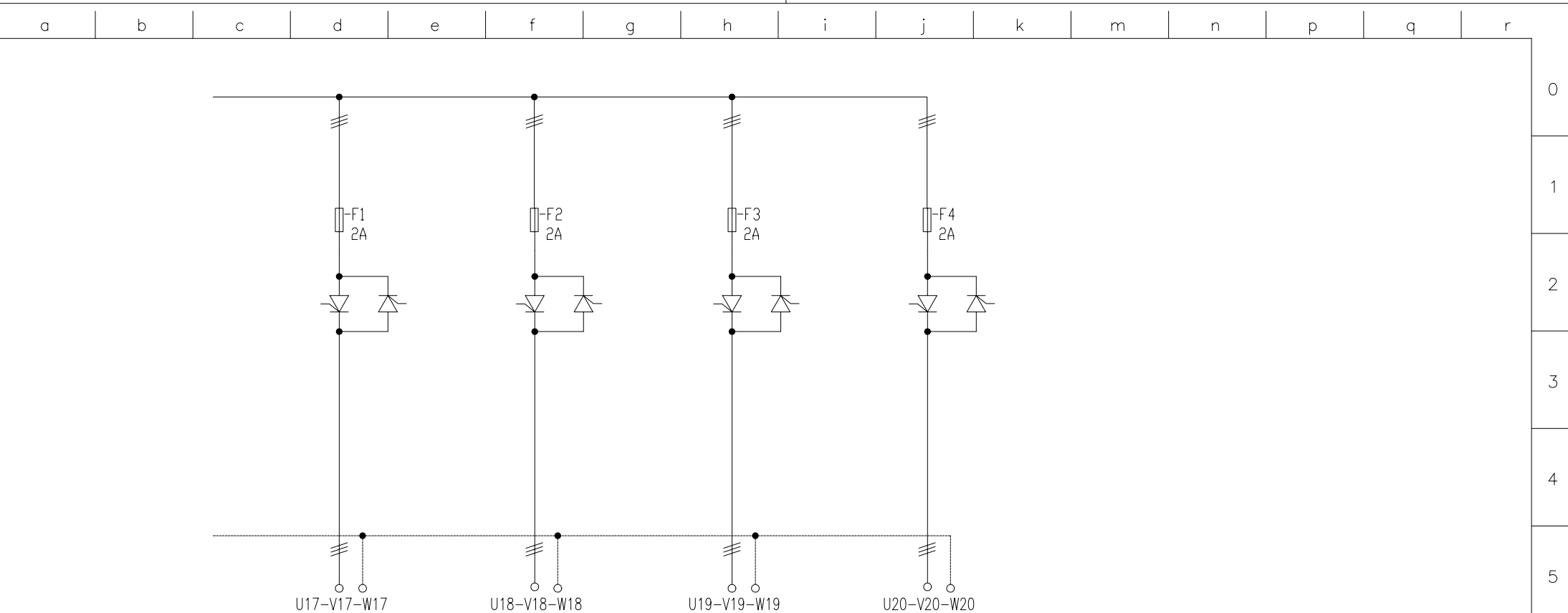
USE	CIRCUIT		n?		OPEN/CLOSED VALVE- VA5		OPEN/CLOSED VALVE- VA6		OPEN/CLOSED VALVE- VA7		OPEN/CLOSED VALVE - VA8		OPEN/CLOSED VALVE - VA9		OPEN/CLOSED VALVE-VA10			
	DESCRIPTION		Kw	A														
			Kw	A	0,45	0,9	0,45	0,9	0,45	0,9	0,45	0,9	0,45	0,9	0,45	0,9		
ELECTRICAL EQUIPMENT	SWITCH	TYPE	.....															
		RATED CURRENT - N. POLES	A	n?														
		BREAKING CAPACITY	V	KA														
		SETTING CURRENT MAG. ELEMENT	A															
		SETTING CURRENT THE. ELEMENT	A															
	SETTING CURRENT Id	A																
	THERMAL RELAY	TYPE																
		RATED CURRENT	A															
		UTILIZATION CATEGORY	AC-3		AC-3		AC-3		AC-3		AC-3		AC-3		AC-3			
	FUSEHOLDER - TYPE & CURRENT	TYPE																
SETTING RANGE		A																
SETTING CURRENT		A																
FUSES - TYPE & SETTING CURRENT	TYPE & CURRENT	A																
	TYPE & SETTING CURRENT	A																
CABLE	AMMETER																	
	VOLTMETER																	
	TYPE																	
	SECTION	mmq	(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)					
LANGE	mt																	
RATED CURRENT(Iz)	A																	

<b>CACCIALANZA &amp; C. s.p.a.</b> ANTINCENDIO SICUREZZA ANTINQUINAMENTO SEGRATE (MILANO) - ITALY	TITLE		CLIENT		DATE		DWG N°	
	PANEL 20 M.D. VALVES				11.02.02		46414591	
	TYPE A3-A4-A6-A8/EL				SCALE		PROJECT N°	
					DRAWN CA			
0 ISSUED		11.02.02		CHECKED CA		SHEET N° 6 OF 30		
REV. MODIFY		DATE		APPROVED				



USE	CIRCUIT		n?		OPEN/CLOSED VALVE - VA11		OPEN/CLOSED VALVE - VA12		OPEN/CLOSED VALVE - VA13		OPEN/CLOSED VALVE - VA14		OPEN/CLOSED VALVE - VA15		OPEN/CLOSED VALVE - VA15		
	DESCRIPTION	RATED SERVICE POWER AND CURRENT	Kw	A													
ELECTRICAL EQUIPMENT	SWITCH	TYPE	.....		.....		.....		.....		.....		.....		.....		
		RATED CURRENT - N. POLES	A	n?													
		BREAKING CAPACITY	V	KA													
		SETTING CURRENT MAG. ELEMENT	A														
		SETTING CURRENT THE. ELEMENT	A														
	THERMAL RELAY	SETTING CURRENT Id	A														
		TYPE															
		RATED CURRENT	A														
		UTILIZATION CATEGORY			AC-3		AC-3		AC-3		AC-3		AC-3		AC-3		
		TYPE															
FUSEHOLDER - TYPE & CURRENT	SETTING RANGE	A															
	SETTING CURRENT	A															
	FUSES - TYPE & SETTING CURRENT	A															
	AMMETER																
CABLE	VOLTMETER																
	TYPE																
	SECTION	mmq		(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)			
	LANGE	mt															
RATED CURRENT(Iz)	A																

<b>CACCIALANZA &amp; C. s.p.a.</b> ANTINCENDIO SICUREZZA ANTINQUINAMENTO SEGRATE (MILANO) - ITALY	TITLE PANEL 20 M.D. VALVES TYPE A3-A4-A6-A8/EL	CLIENT	DATE	11.02.02	DWG N° 46414591 PROJECT N° SHEET N° 7 OF 30
			SCALE		
			DRAWN	CA	
0	ISSUED	11.02.02	CHECKED	CA	
REV.	MODIFY	DATE	APPROVED		



USE	CIRCUIT		n?		OPEN/CLOSED VALVE- VA17		OPEN/CLOSED VALVE- VA18		OPEN/CLOSED VALVE- VA19		OPEN/CLOSED VALVE - VA20								
	DESCRIPTION		Kw	A															
					0,45	0,9													
ELECTRICAL EQUIPMENT	SWITCH	TYPE	.....		.....		.....		.....		.....								
		RATED CURRENT - N. POLES	A	n?															
		BREAKING CAPACITY	V	KA															
		SETTING CURRENT MAG. ELEMENT	A																
		SETTING CURRENT THE. ELEMENT	A																
			SETTING CURRENT Id	A															
	THERMAL RELAY	TYPE																	
		RATED CURRENT	A																
		UTILIZATION CATEGORY			AC-3		AC-3		AC-3		AC-3								
			TYPE																
		SETTING RANGE	A																
		SETTING CURRENT	A																
		FUSEHOLDER - TYPE & CURRENT	A																
		FUSES - TYPE & SETTING CURRENT	A																
		AMMETER																	
		VOLTMETER																	
LINE	CABLE	TYPE																	
		SECTION	mmq		(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)								
		LANGE	mt																
		RATED CURRENT(Iz)	A																



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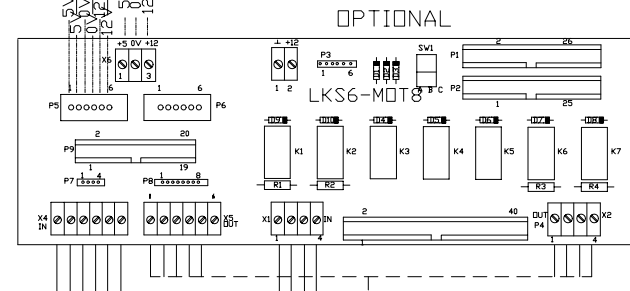
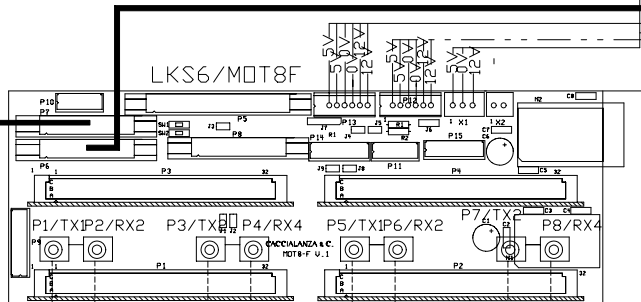
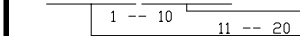
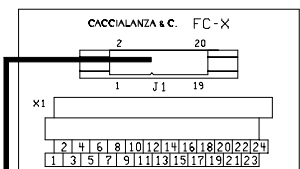
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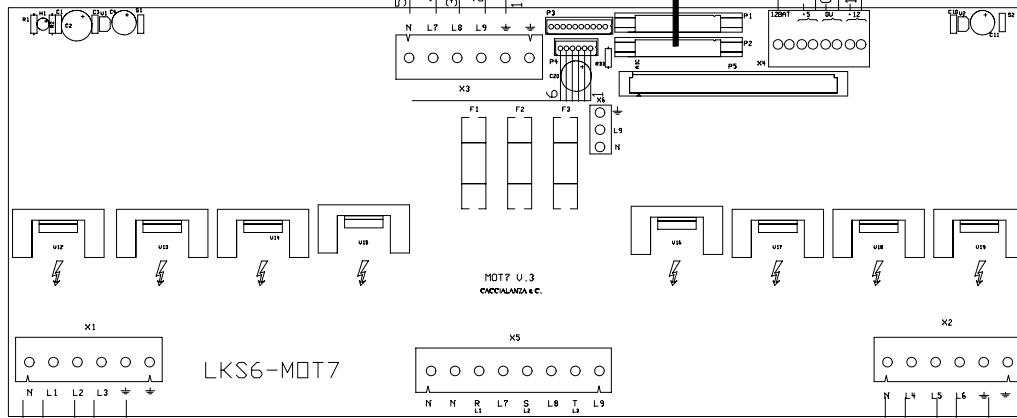
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SEE SHEET 10



12V BATT.



CABLE "IN" LOOP

CABLE "OUT" LOOP

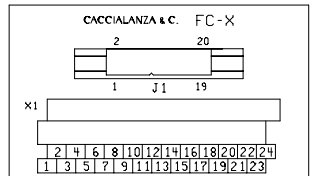
CACCIALANZA & C. S.p.A.  
ANTINCENDIO SICUREZZA ANTINQUINAMENTO  
SEGRATE (MILANO) - ITALY

TITLE  
PANEL 20 M.D. VALVES  
TYPE A3-A4-A6-A8/EL

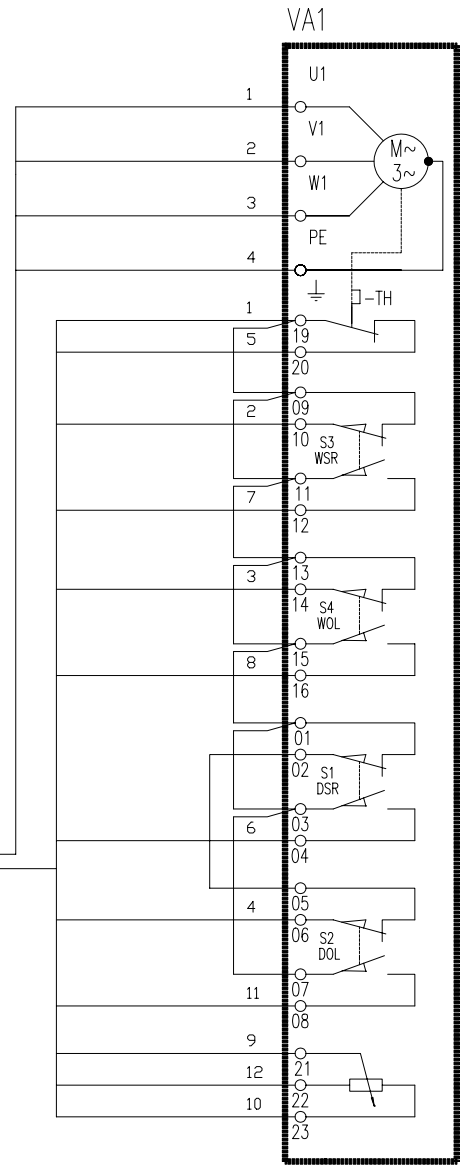
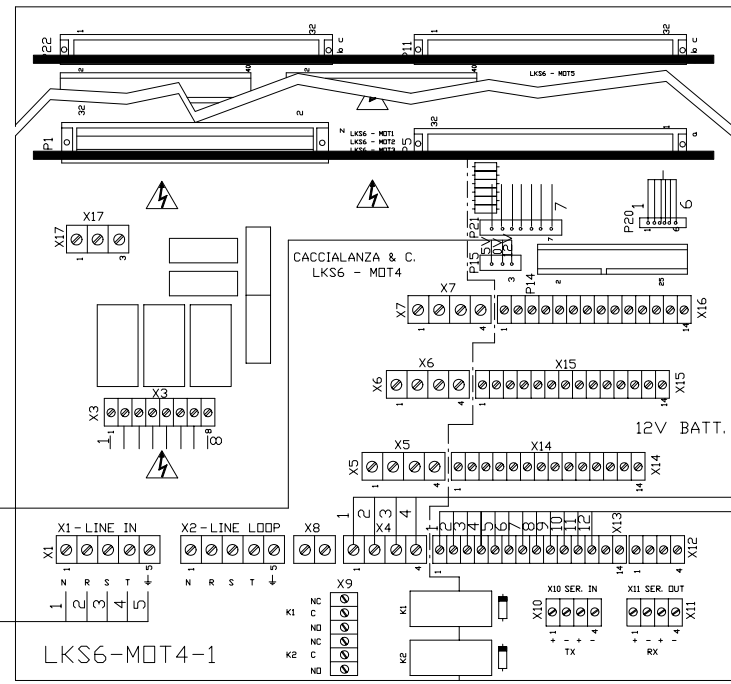
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DATE	11.02.02	DWG N°	46414591
SCALE		PROJECT N°	
DRAWN	CA	CHECKED	CA
0 ISSUED	11.02.02	APPROVED	
REV.	MODIFY	DATE	SHEET N. 9 OF 30

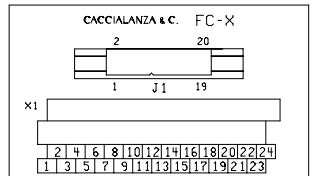
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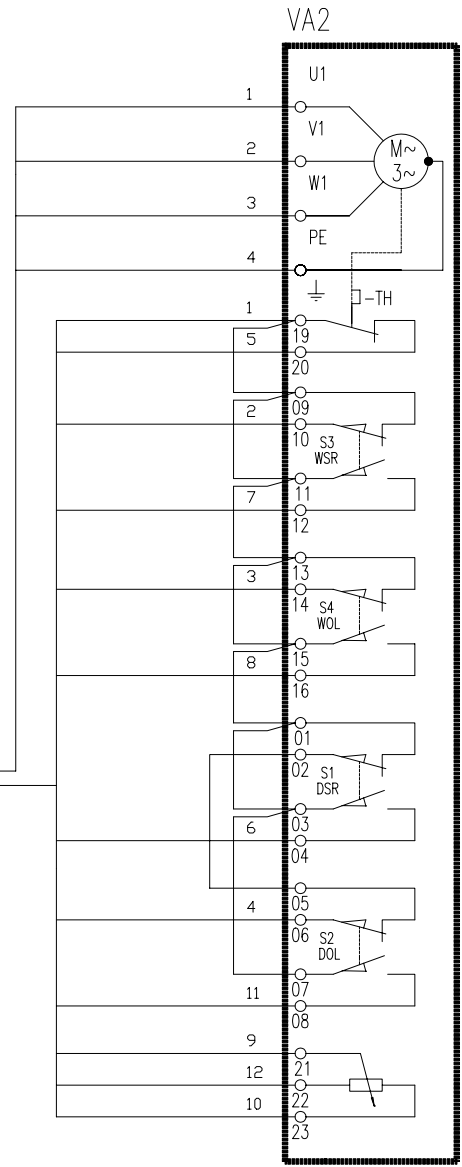
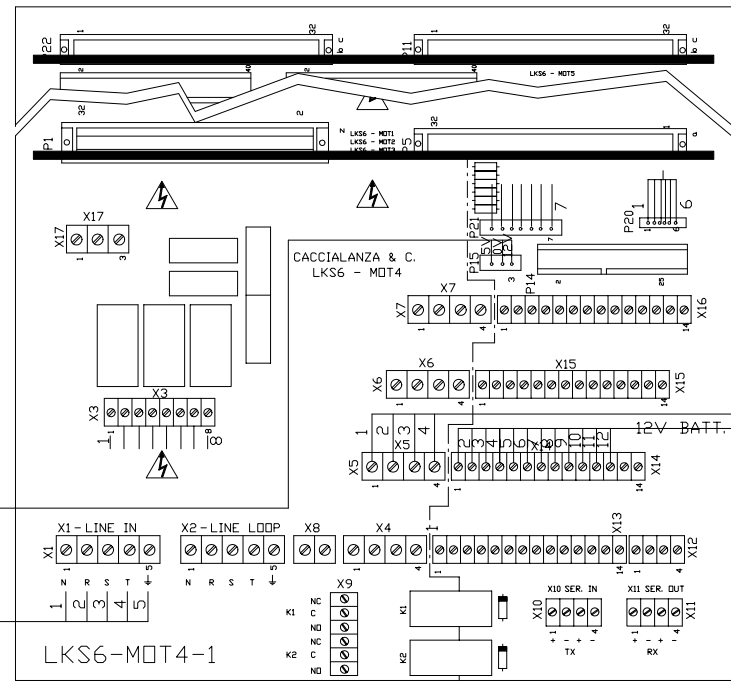
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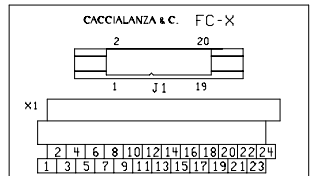


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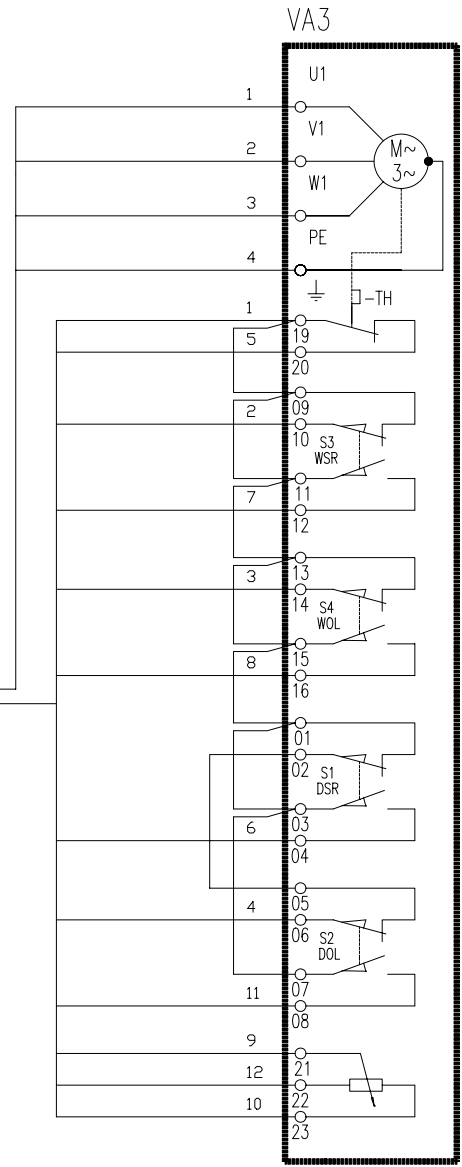
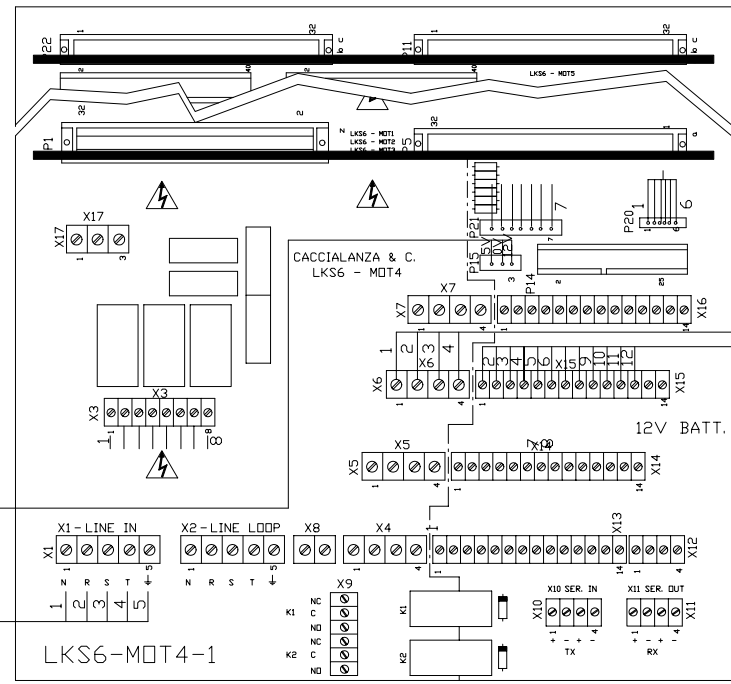


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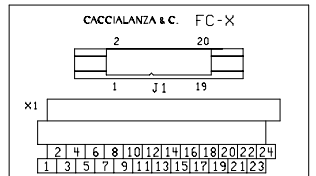


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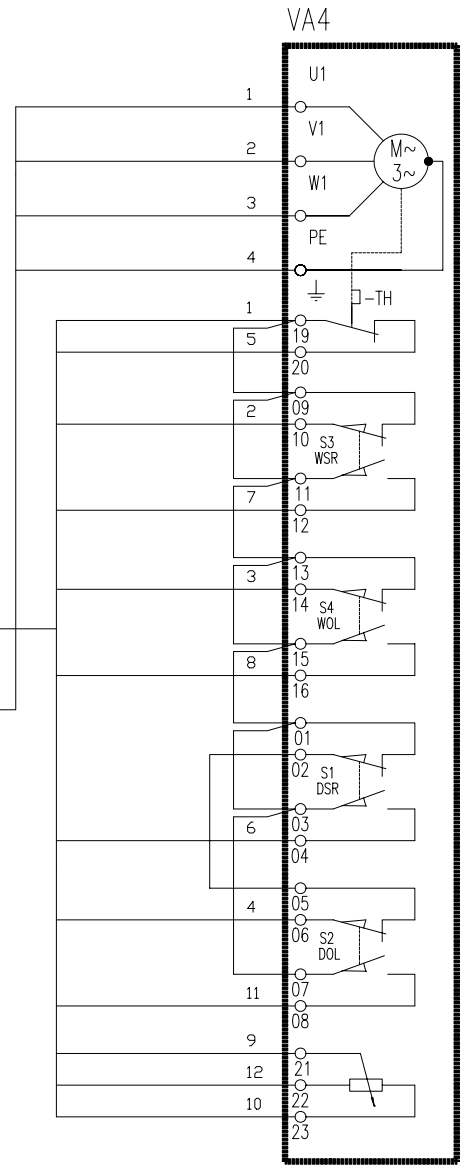
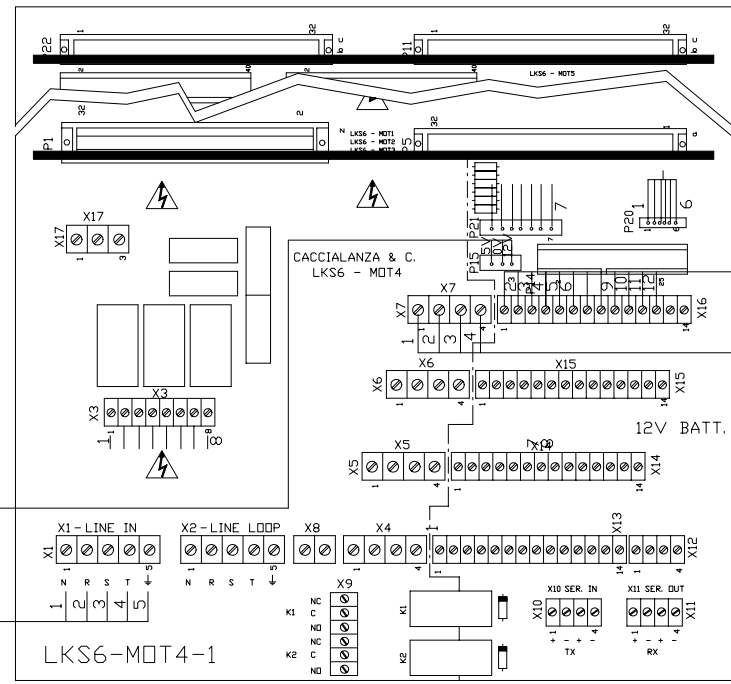


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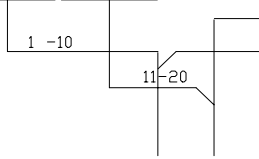
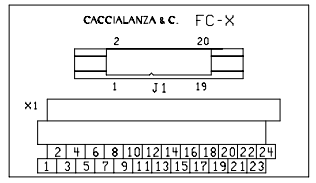


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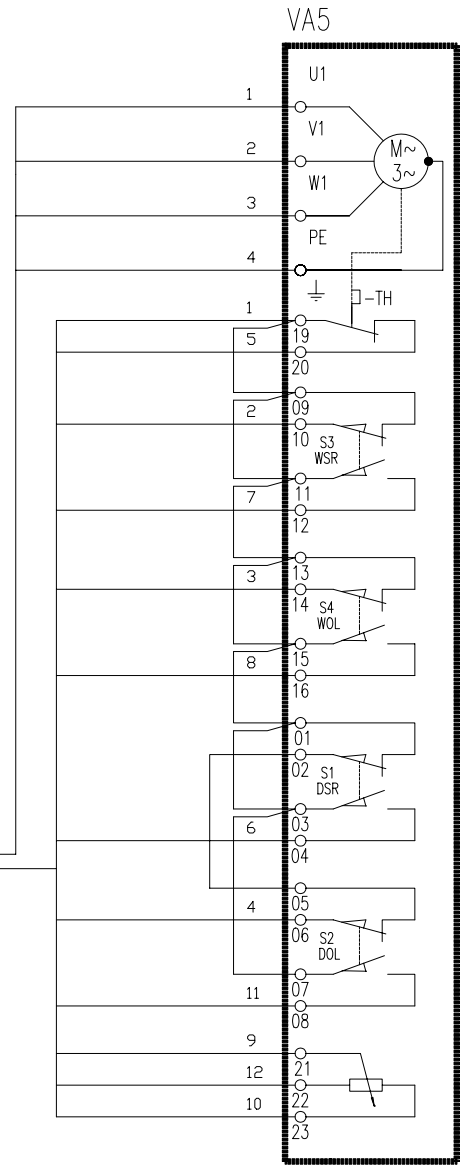
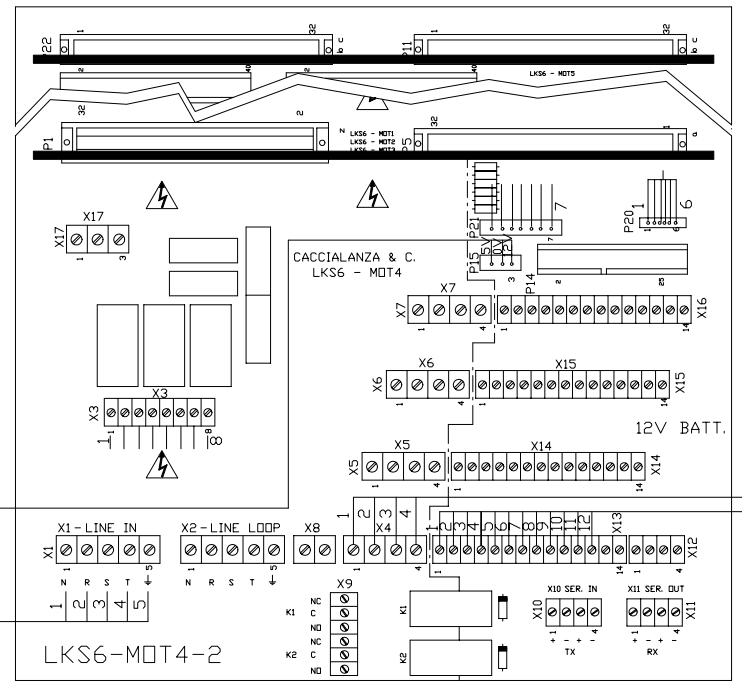
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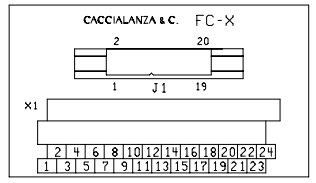


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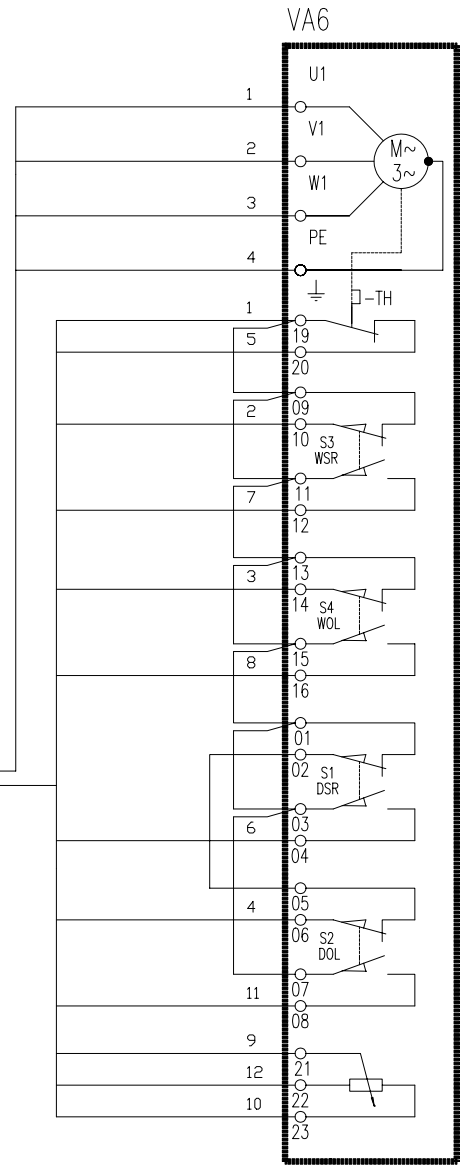
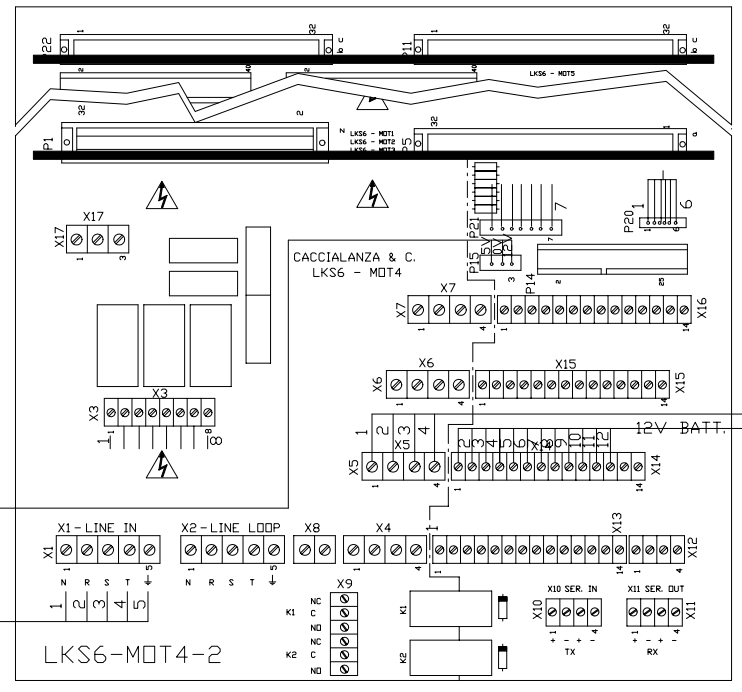
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OPEN/CLOSED

CACCIALANZA & C. s.p.a.  
ANTINCENDIO SICUREZZA ANTINQUINAMENTO  
SEGRATE (MILANO) - ITALY

TITLE  
PANEL 20 M.D. VALVES  
TYPE A3-A4-A6-A8/EL

CLIENT

DATE	11.02.02
SCALE	
DRAWN	CA
CHECKED	CA
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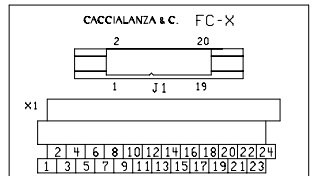
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DWG N°	46414591
PROJECT N°	
SHEET N°	15 OF 30

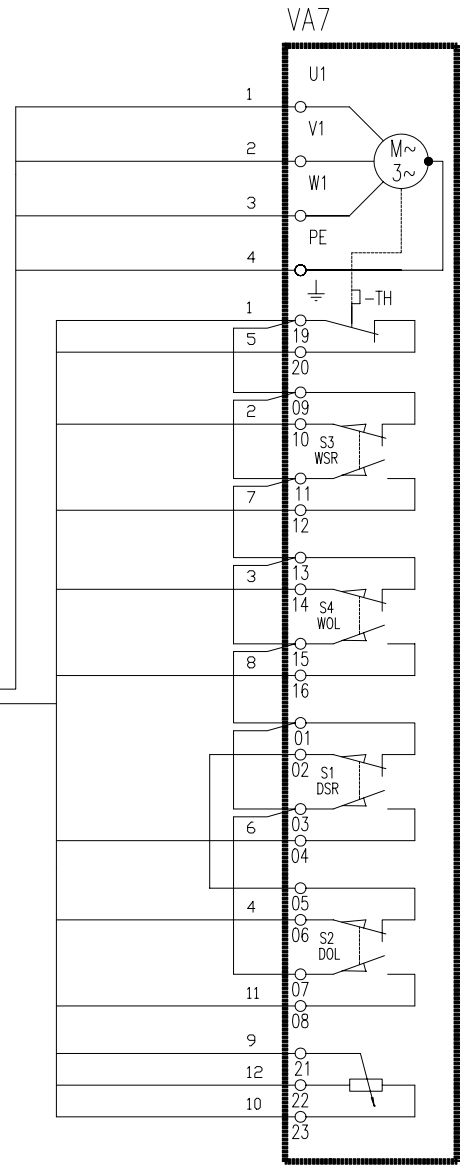
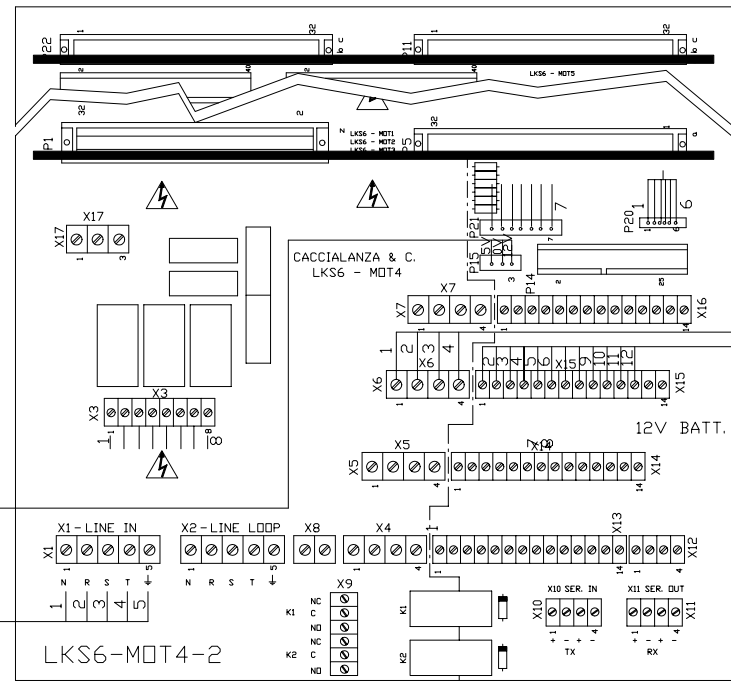
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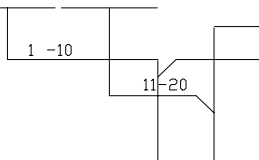
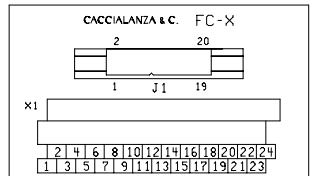
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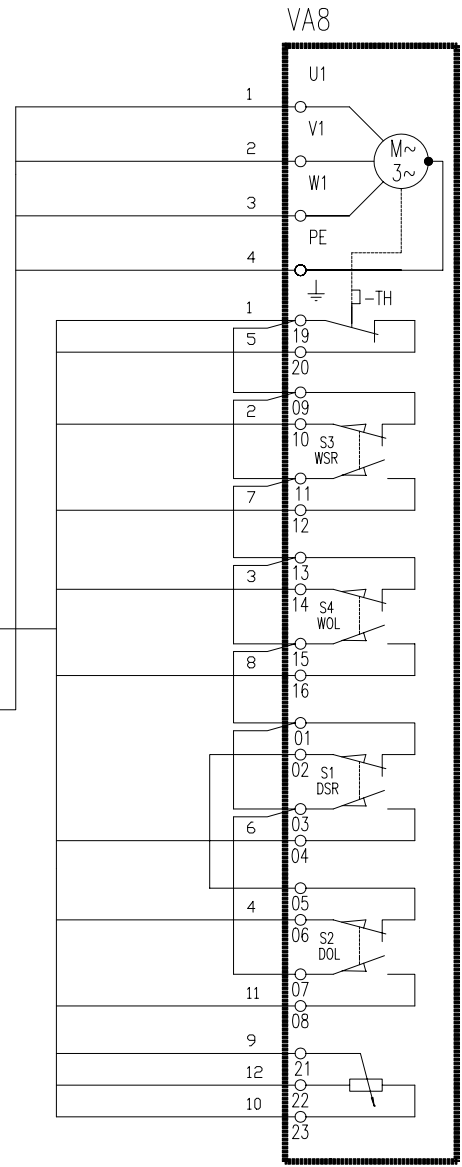
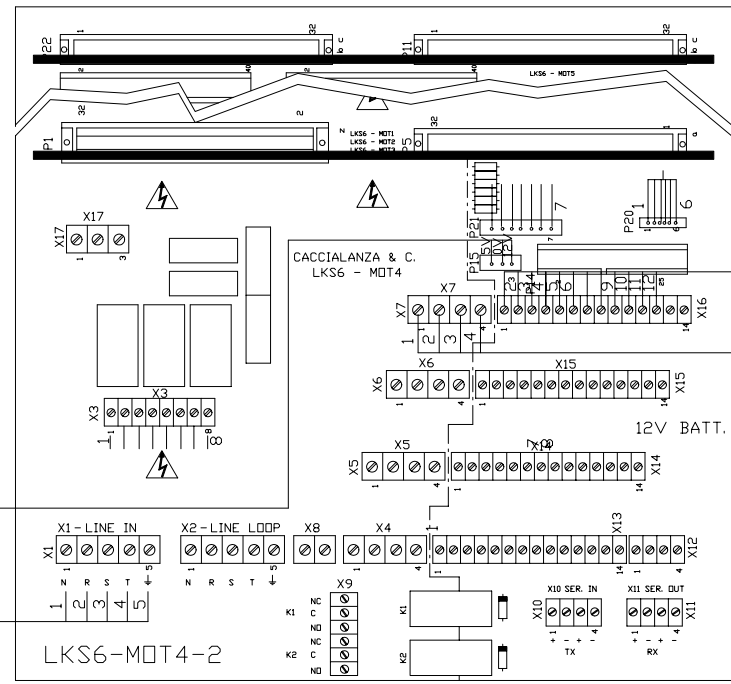
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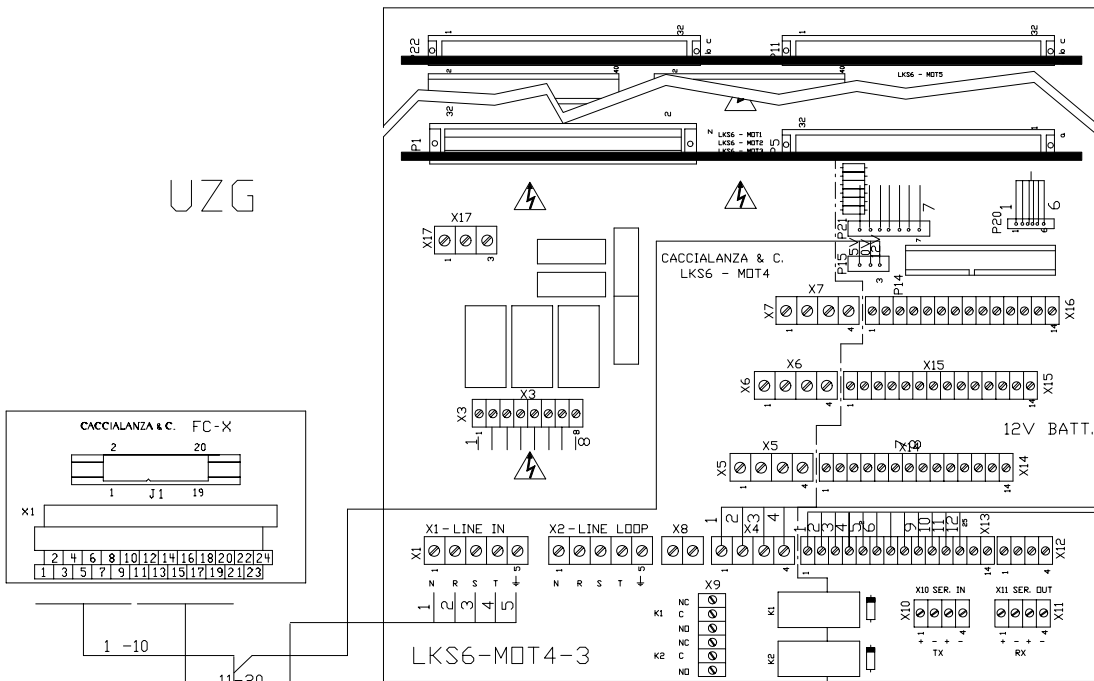


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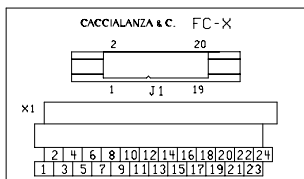


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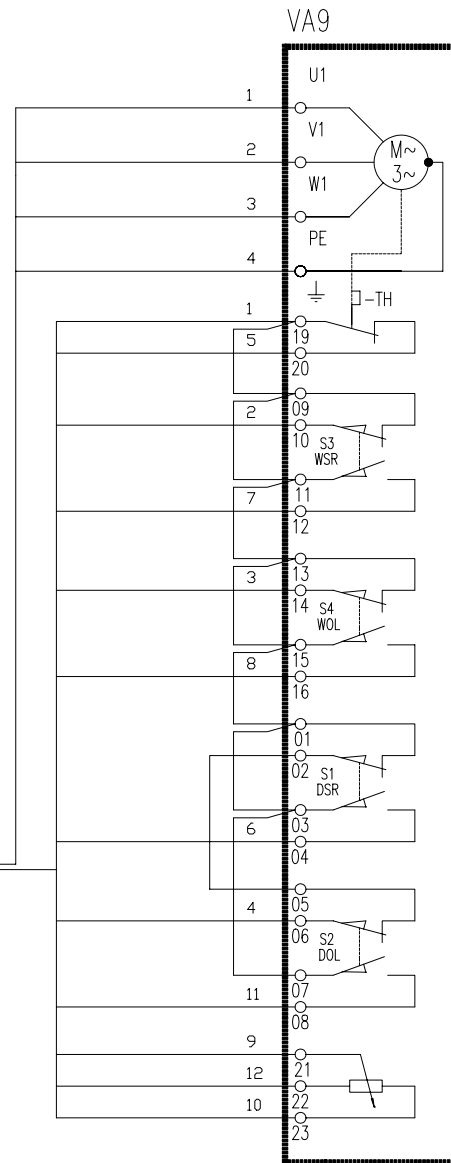
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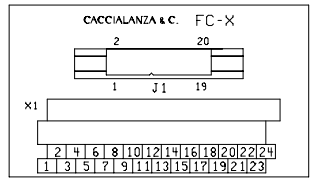


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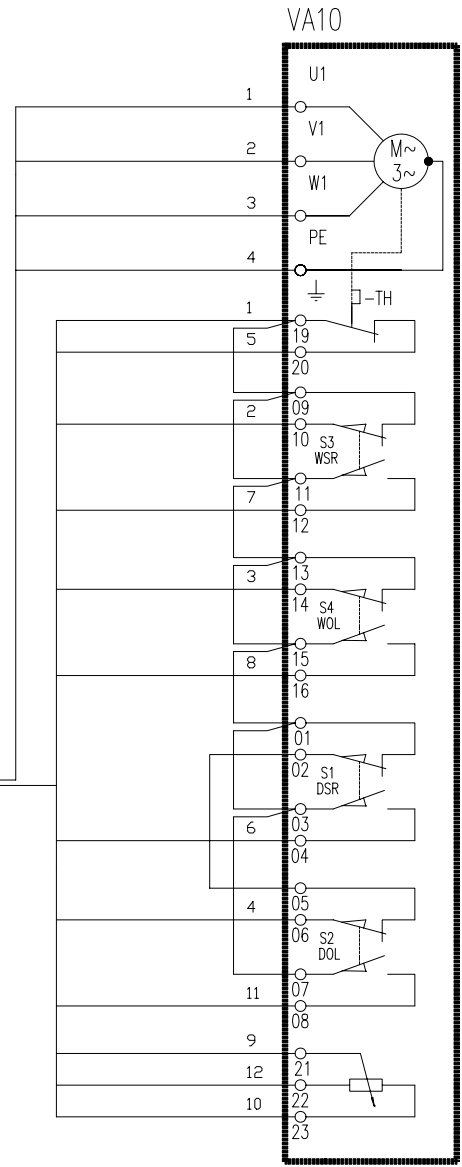
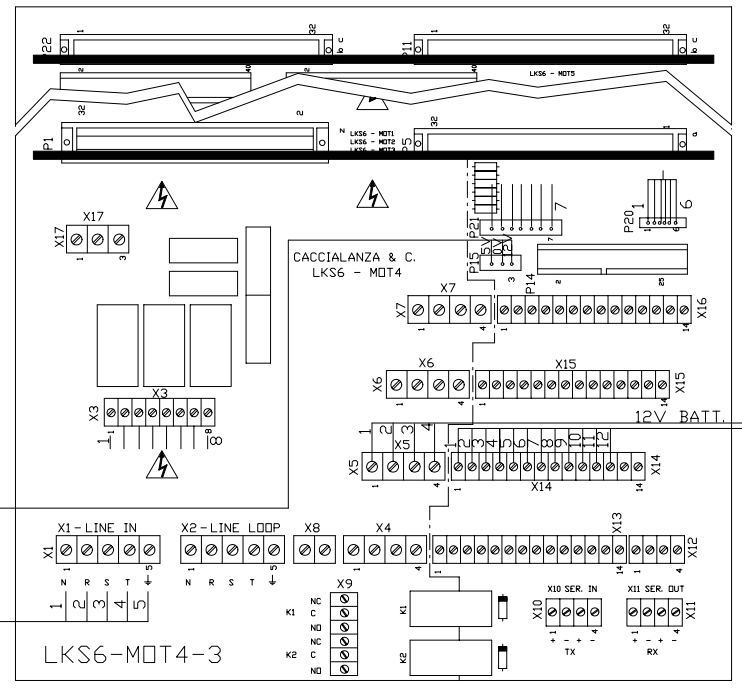


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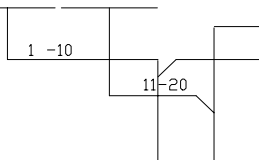
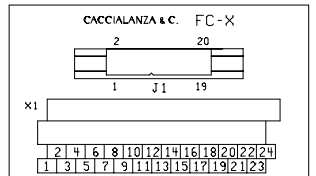


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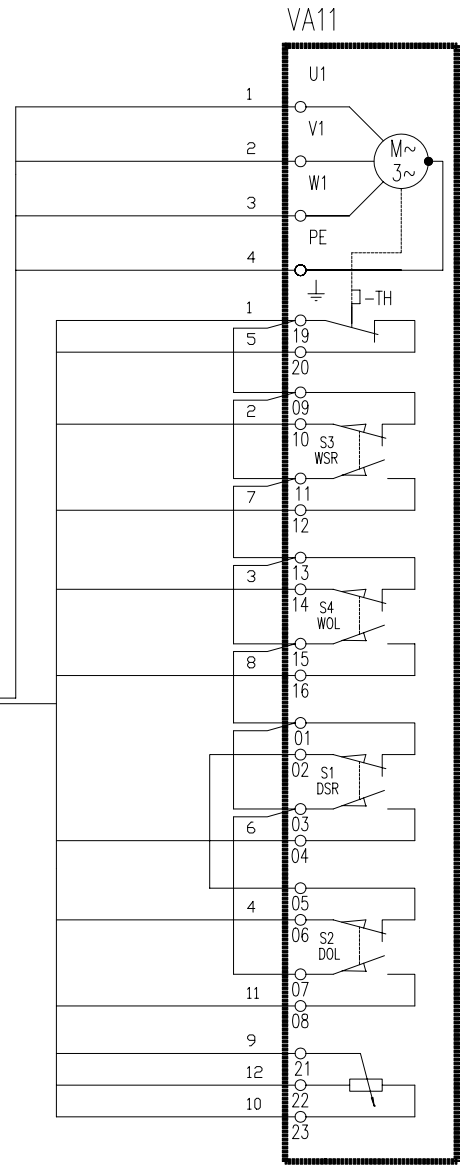
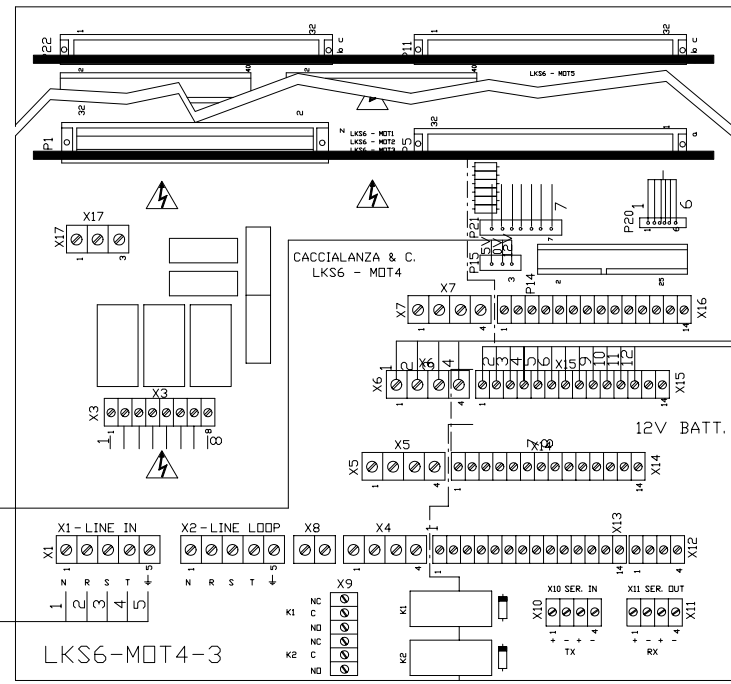


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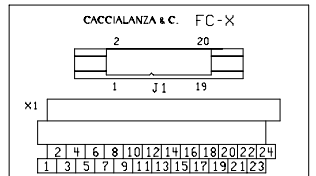


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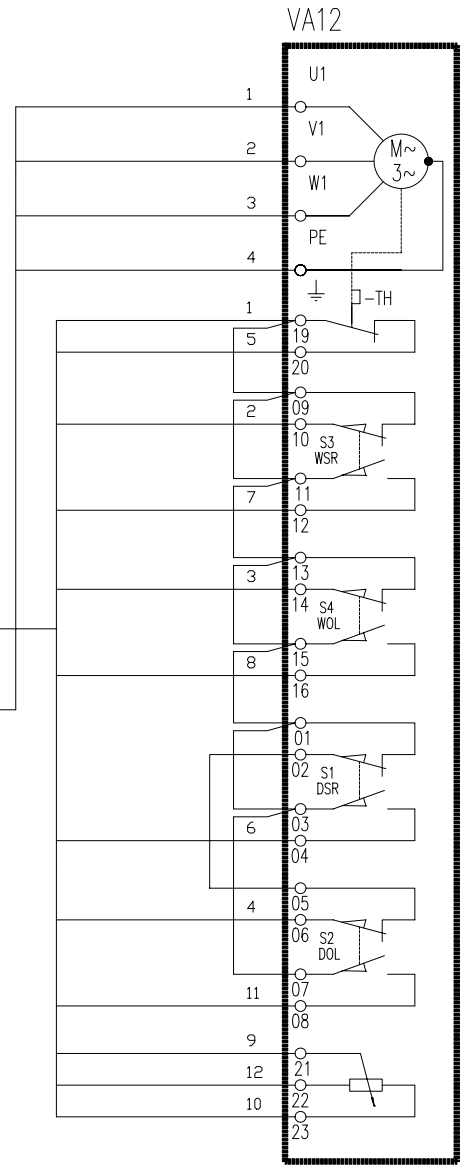
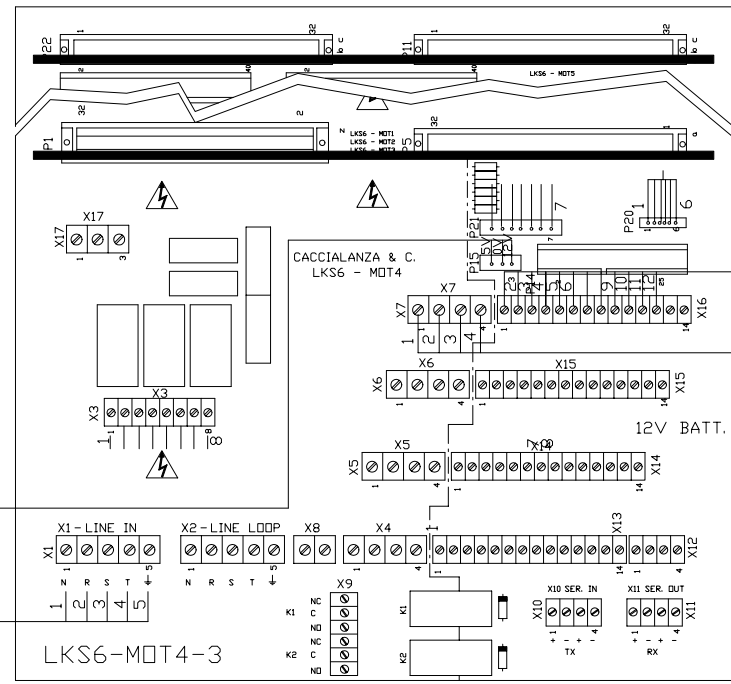
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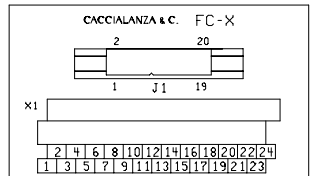


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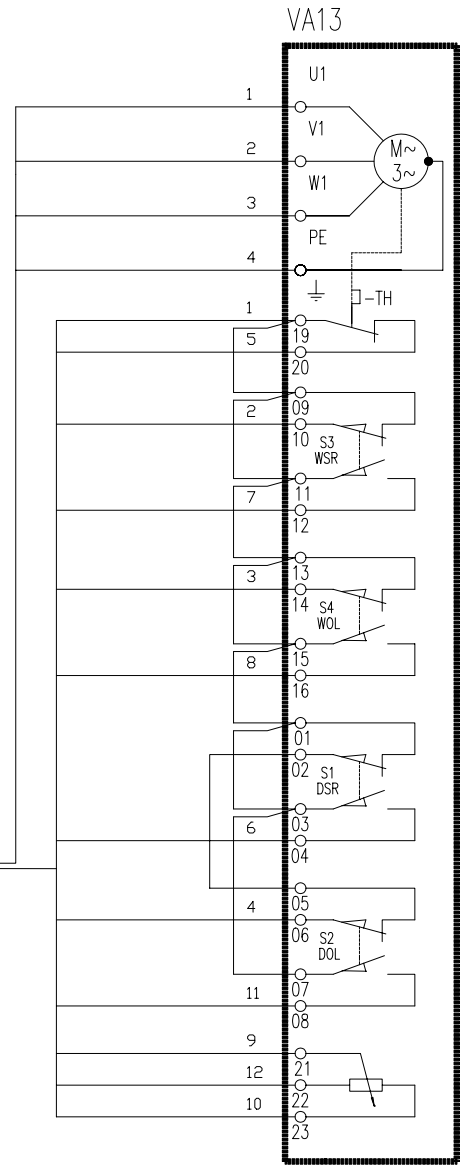
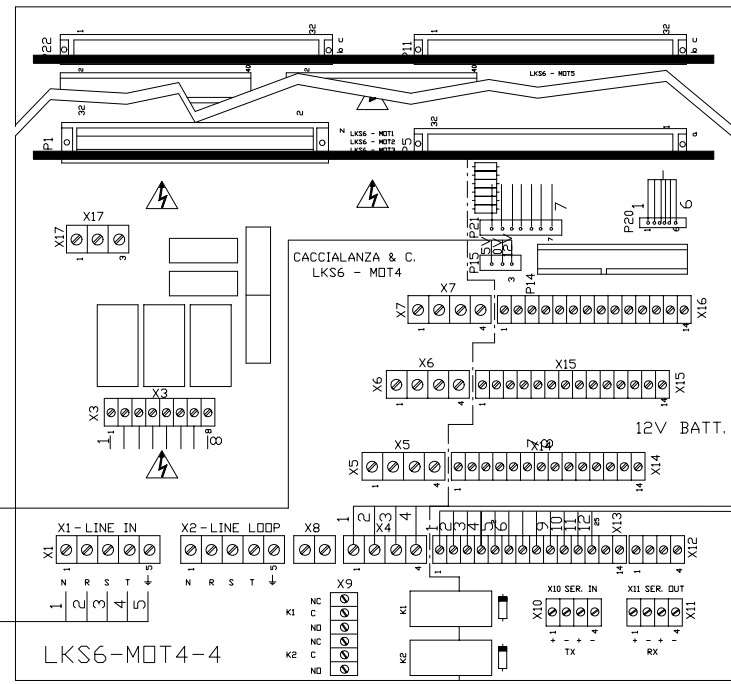


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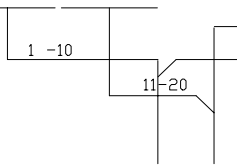
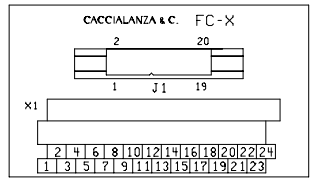


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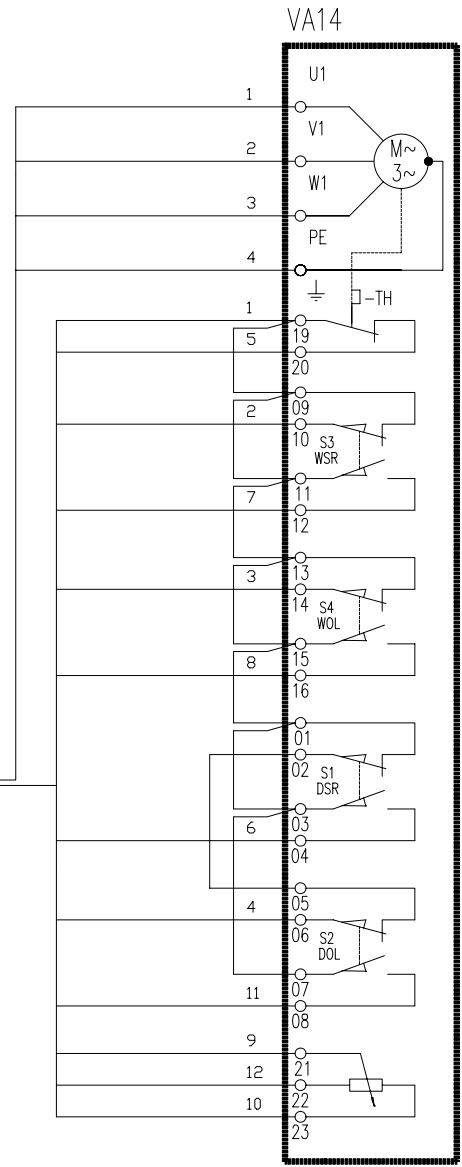
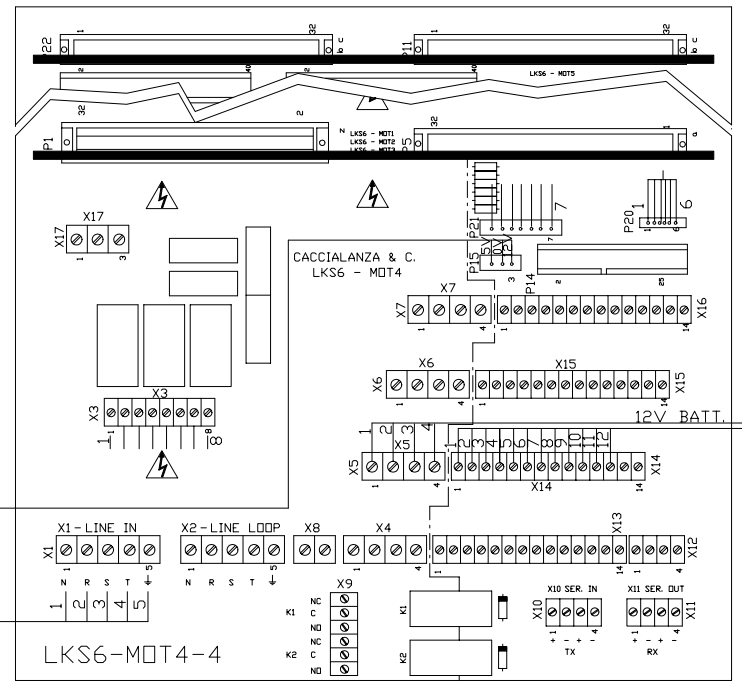
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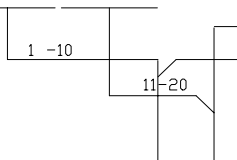
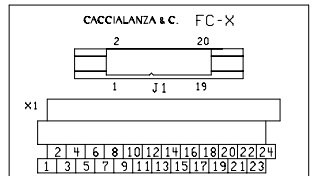


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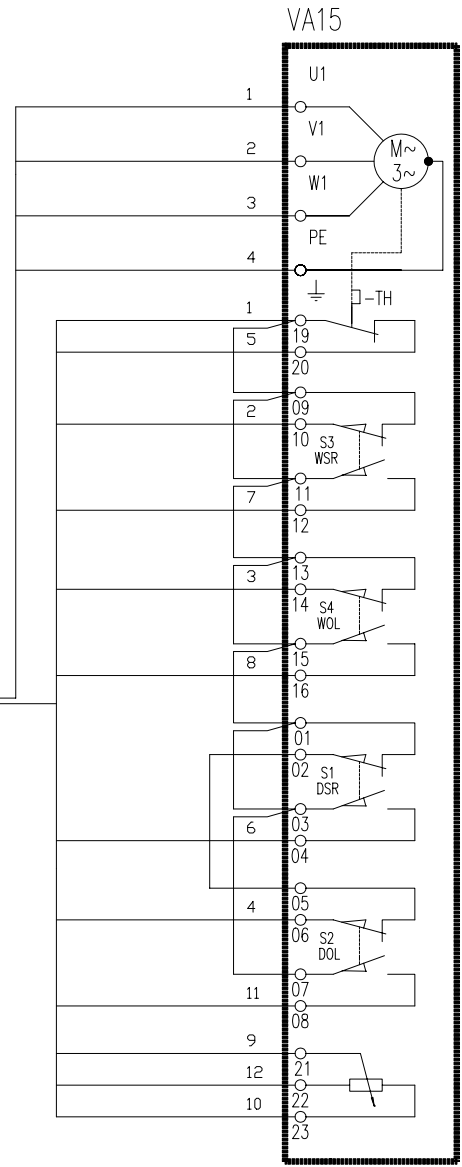
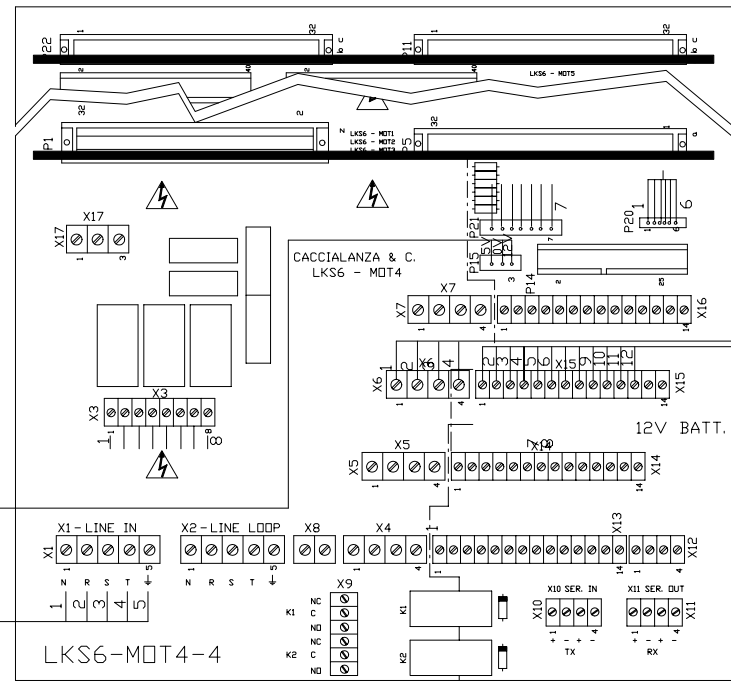


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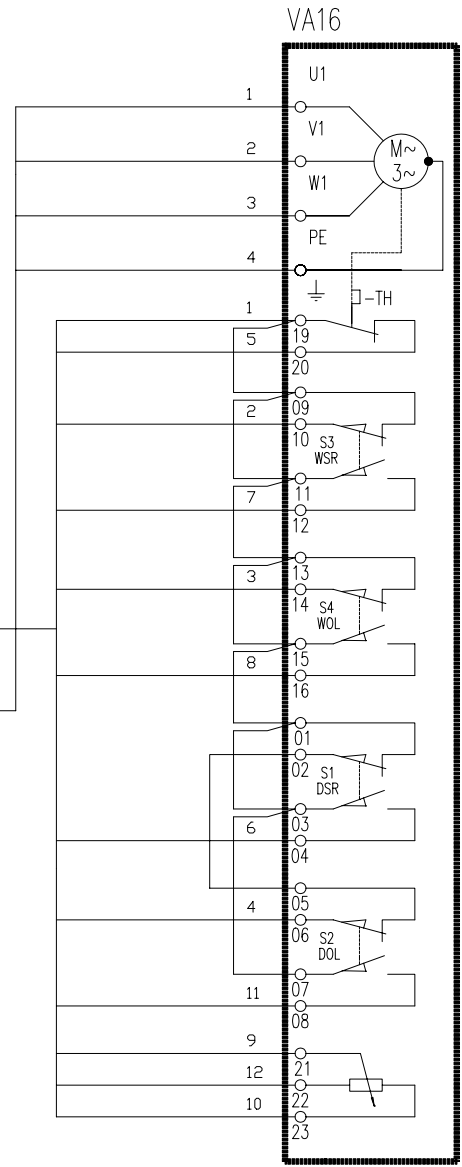
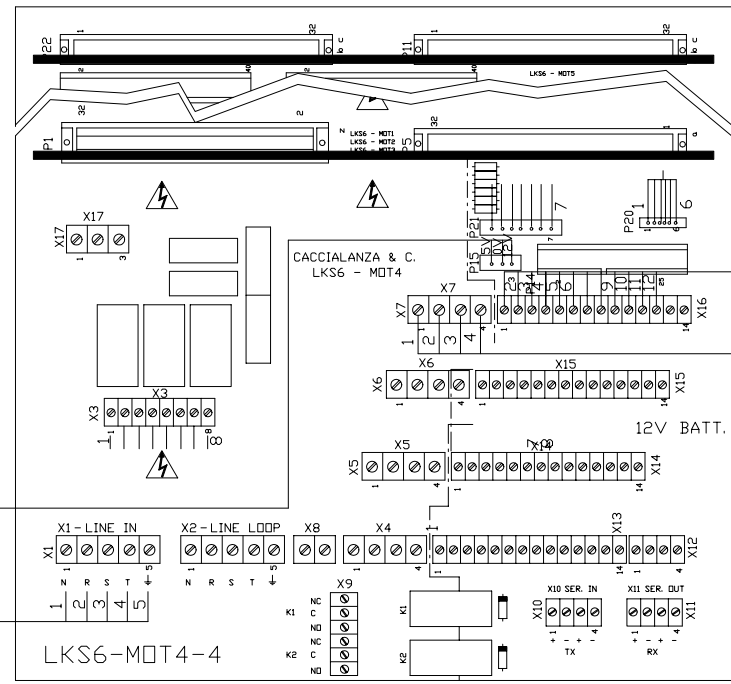
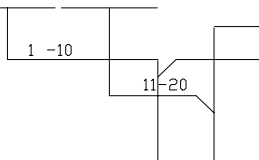
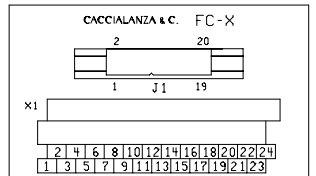
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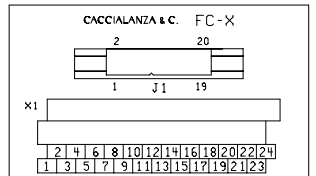


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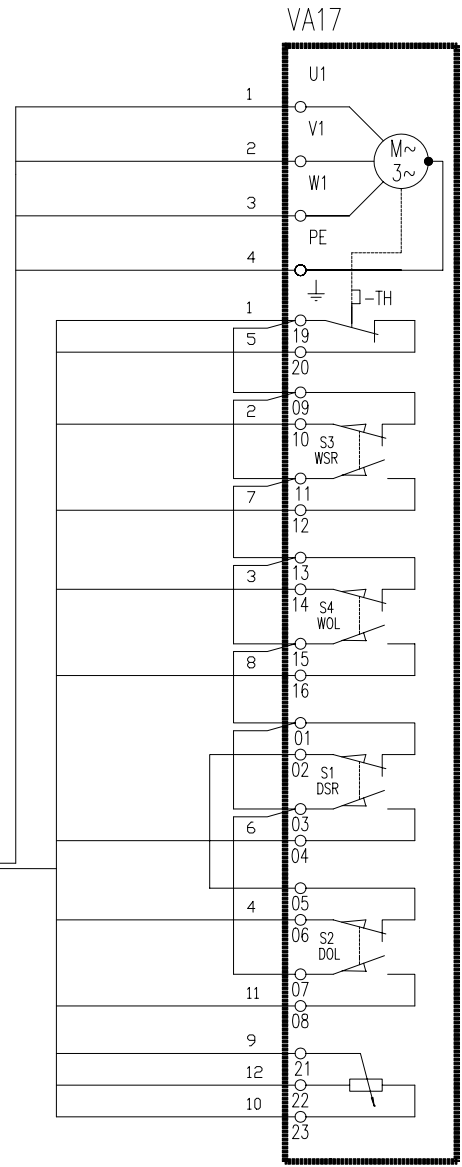
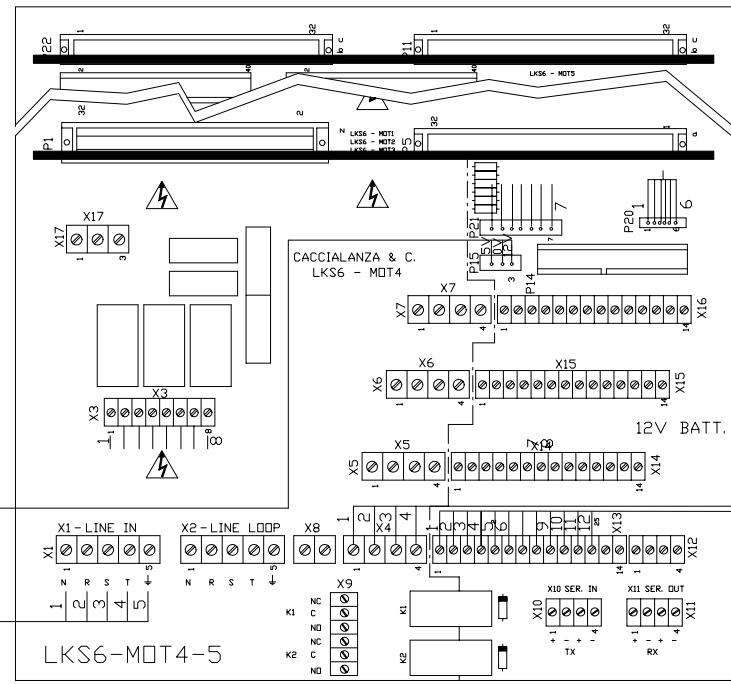
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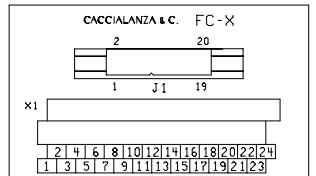


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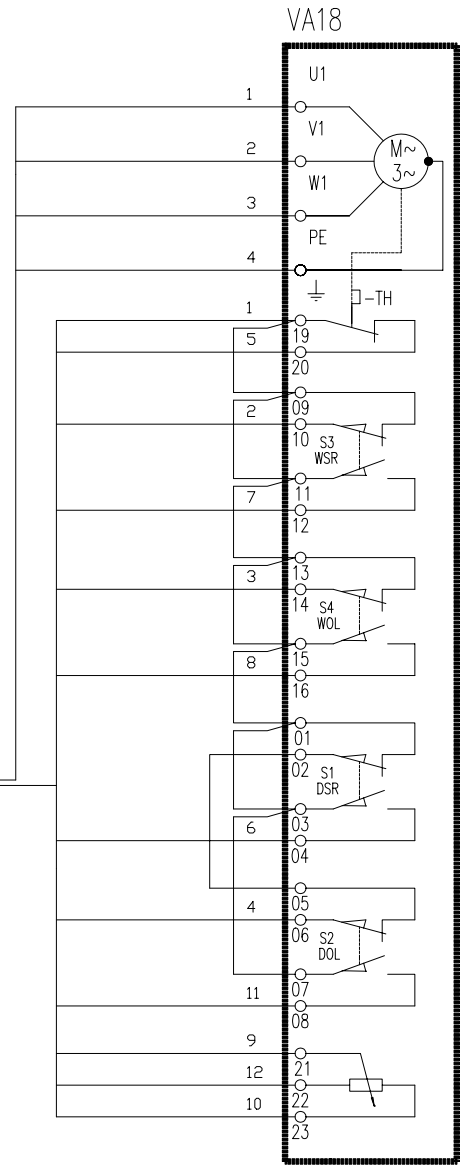
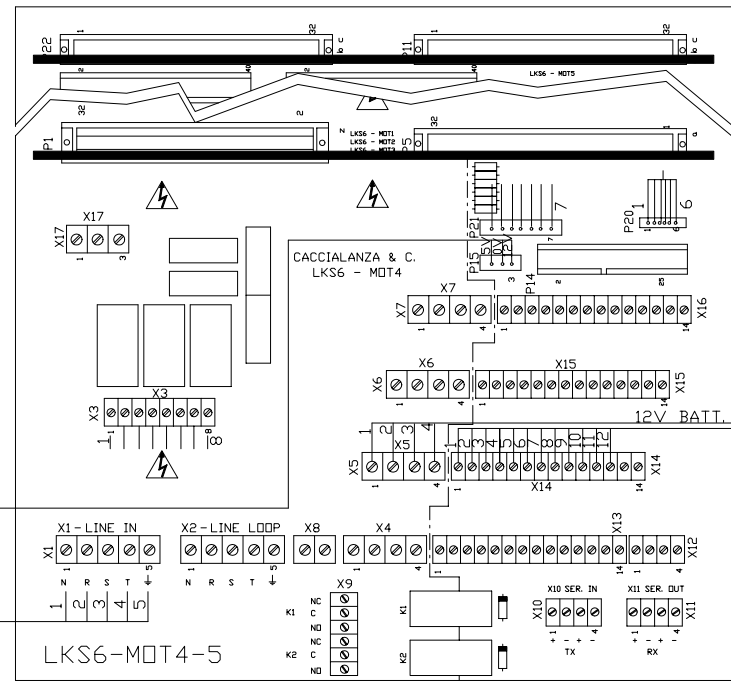


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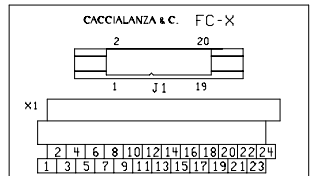


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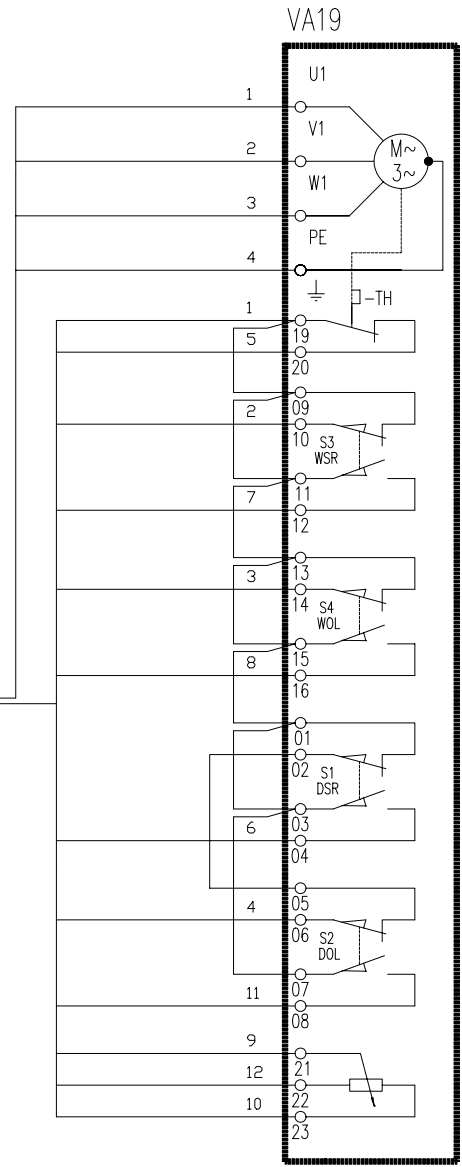
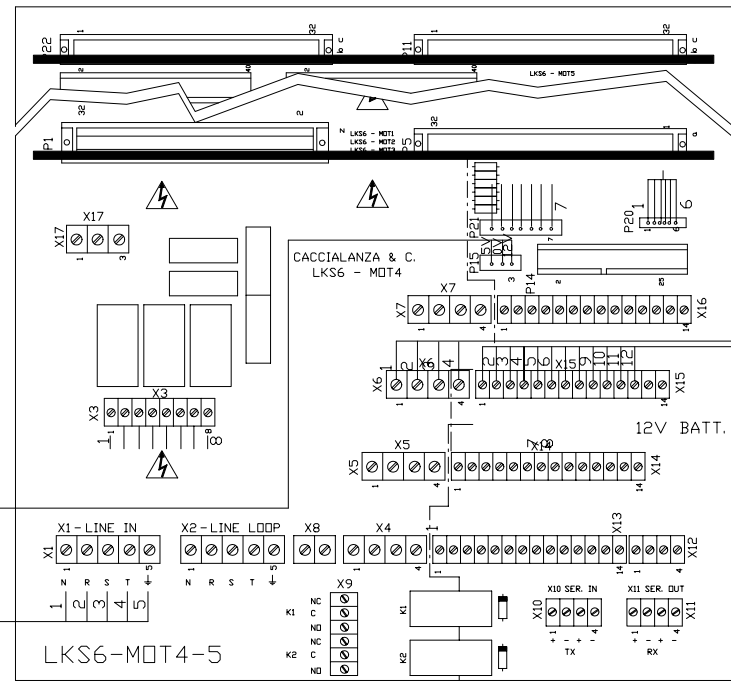


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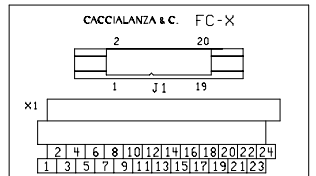


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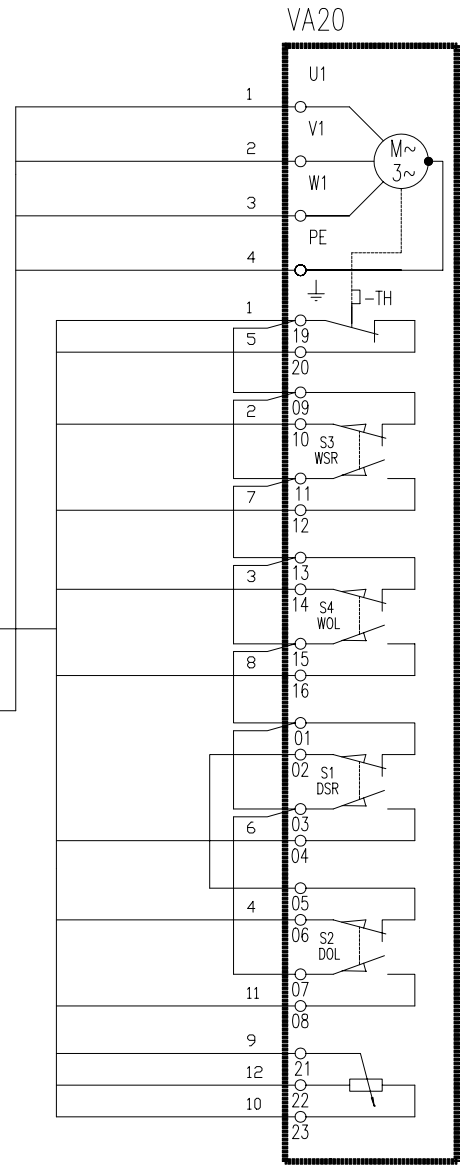
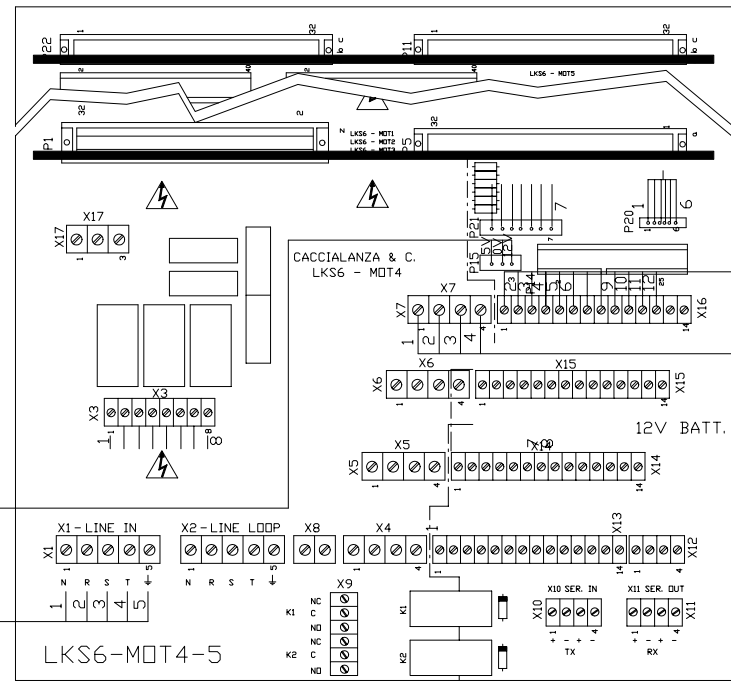


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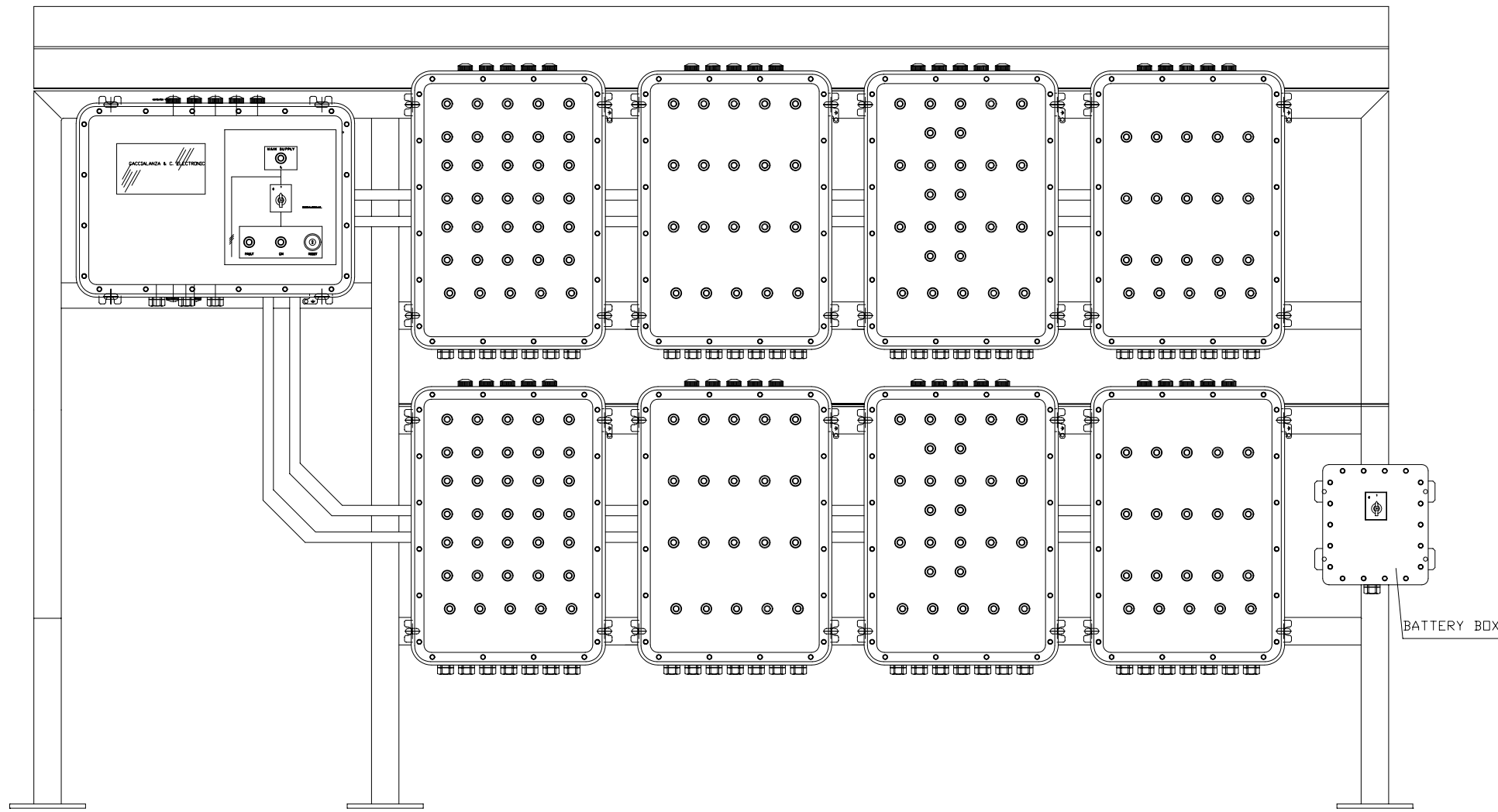
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**CACCIALANZA & C. S.p.A.**  
ANTINCENDIO SICUREZZA ANTINQUINAMENTO  
SEGRATE (MILANO) - ITALY

TITLE  
PANEL 20 M.D. VALVES  
TYPE A3-A4-A6-A8/EL

CLIENT

		DATE	11.02.02
		SCALE	
		DRAWN	CA
0	ISSUED	11.02.02	CHECKED CA
REV.	MODIFY	DATE	APPROVED

DWG N° 46414591  
PROJECT N°  
SHEET N. 30 OF 30