

MODEL
UNIT MODEL

DANE ELEKTRYCZNE i KONFIGURACJA
ELECTRICAL DATA OF CONFIGURATION

ZCF 1120_RE

M1P_P3 BTA VQE BTW SGA ONOF RS485 EXV1C

ZASILANIE ELEKTRYCZNE
ELECTRICAL SUPPLY LINE

400V 3~ 50Hz

DODATKOWE OBIEGI
AUXILIARY CIRCUIT

230V 1~ 50Hz
24V 1~ 50Hz

FLI=MAX POBÓR MOCY
FLI=TOTAL MAXIMUM POWER

kW

28,7

FLA=MAX POBÓR PRĄDU
FLA=MAXIMUM CURRENT ABSORBED

A

49,1

ICF=PRĄD ROZRUCHOWY
ICF=STARTING CURRENT

A

148

SCHEMAT ELEKTRYCZNY
ELECTRICAL DIAGRAM

SEZCF1120T1CED3002_R00

NUMER SERYJNY
SERIAL

MODEL UNIT MODEL	ZCF/ZHF /7CX	1070	1080	1090	1100	1120		
PODŁ. MINIMALNY PRZEKRÓJ KABLA CONNECTION: MINIMUM Cu CABLE SECTION SINGLE CORE HEPR RUBBER G16 MAX. 90°C	mm	25 (1)	25 (1)	25 (1)	25 (1)	25 (1)		
OPÓR SIECI IMPEDANCE NETWORK	Ω	≤0,047	≤0,047	≤0,047	≤0,047	≤0,047		
Icc	kA	≤10	≤10	≤10	≤10	≤10		

(1) Kabel zasilający musi być zgodny z CEI EN 60335-2-40

Podany przekrój kabla dla dystansu maksymalnego 30m pomiędzy agregatem a rozdzielnią zasilającą, temp. otoczenia +35°C

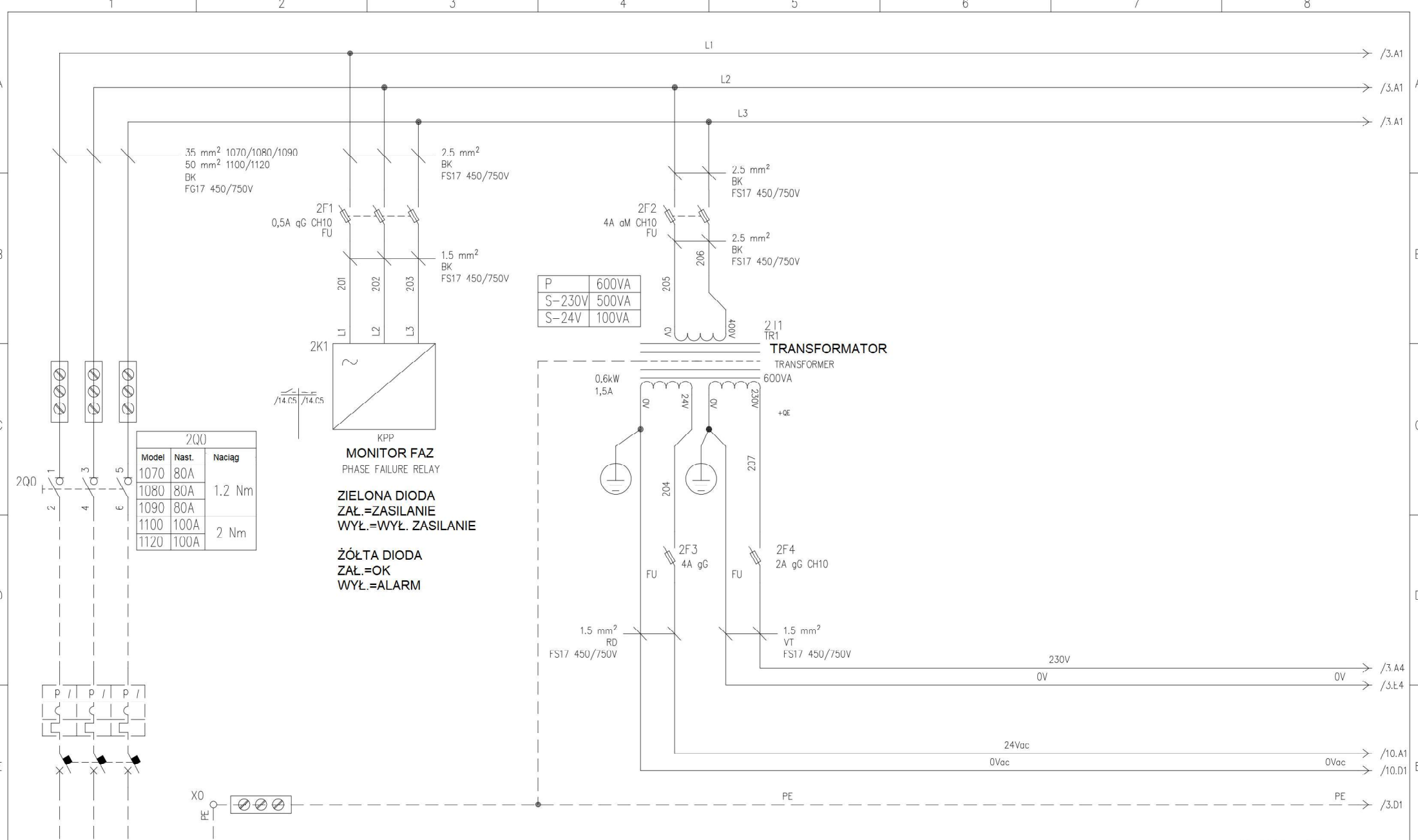
(1) The power cable section is supplied by customer to respect of regulations CEI EN 60335-2-40.

The minimum cable area is referred to the maximum distance of 30 meters between the unit main switch and the power supply source, 35°C ambient temperature. cable type single core HEPR rubber G16 and max. 90°C operating temperature.

COLLEGARE LA MACCHINA ALL'IMPIANTO DI MESSA A TERRA
CONNECT THE UNIT TO GROUNDING SYSTEM

E' VIETATA LA RIPRODUZIONE E LA DIFFUSIONE -ANCHE PARZIALE- DEL SUO CONTENUTO, SENZA AUTORIZZAZIONE. IT IS FORBIDDEN THE DUPLICATION AND DIFFUSION - EVEN IF PARTIAL - OF ITS CONTENT, WITHOUT AUTHORIZATION.

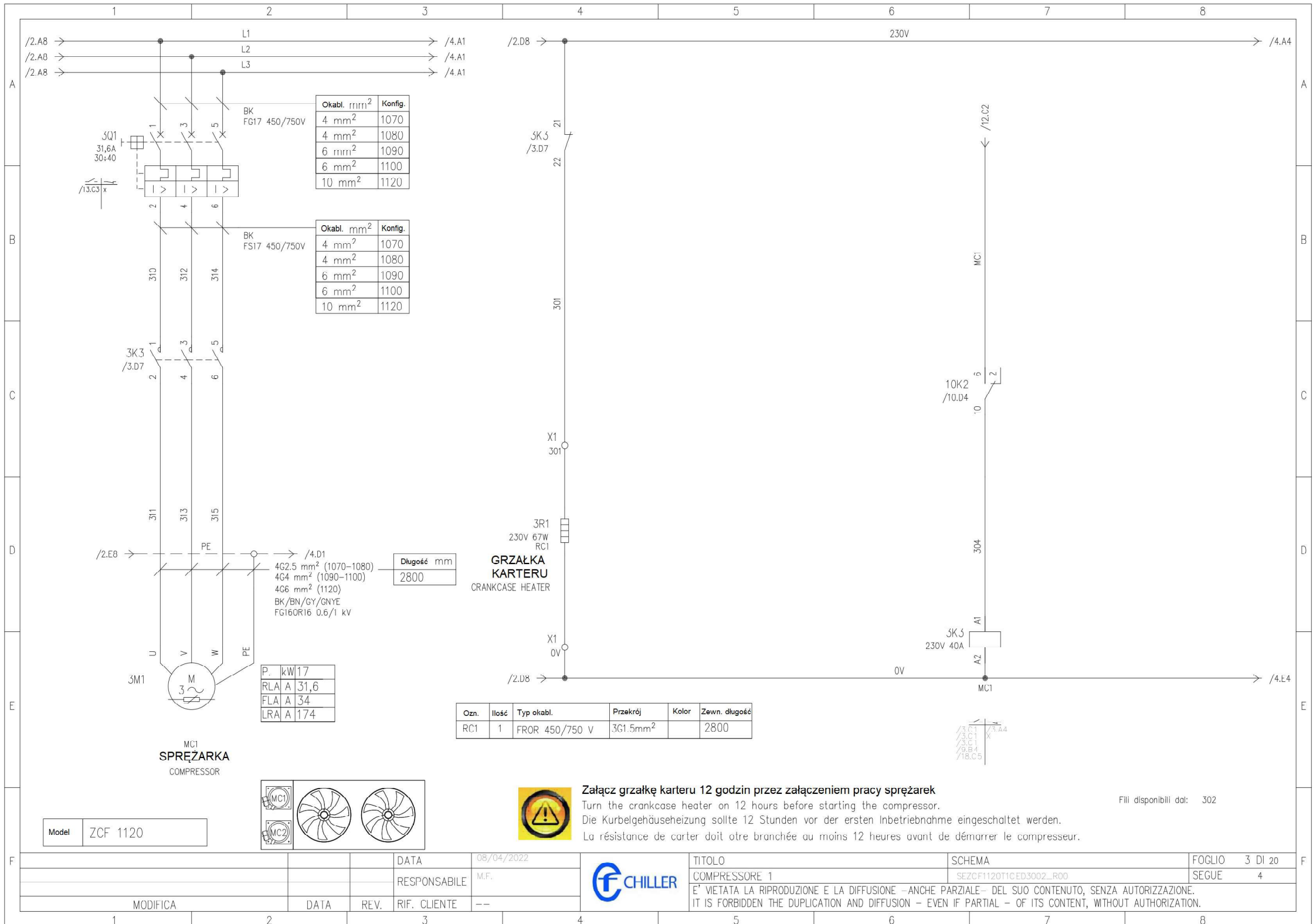


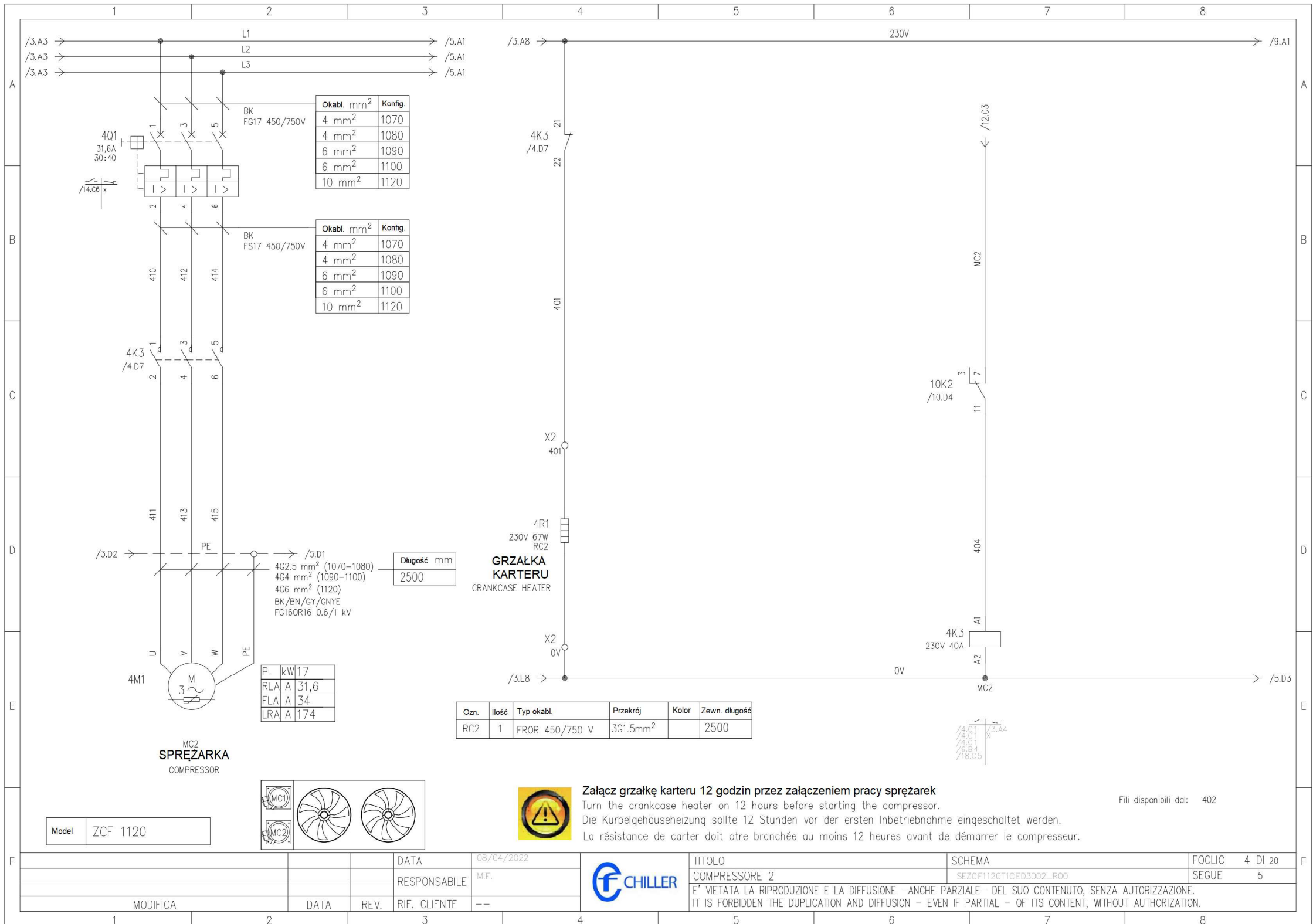


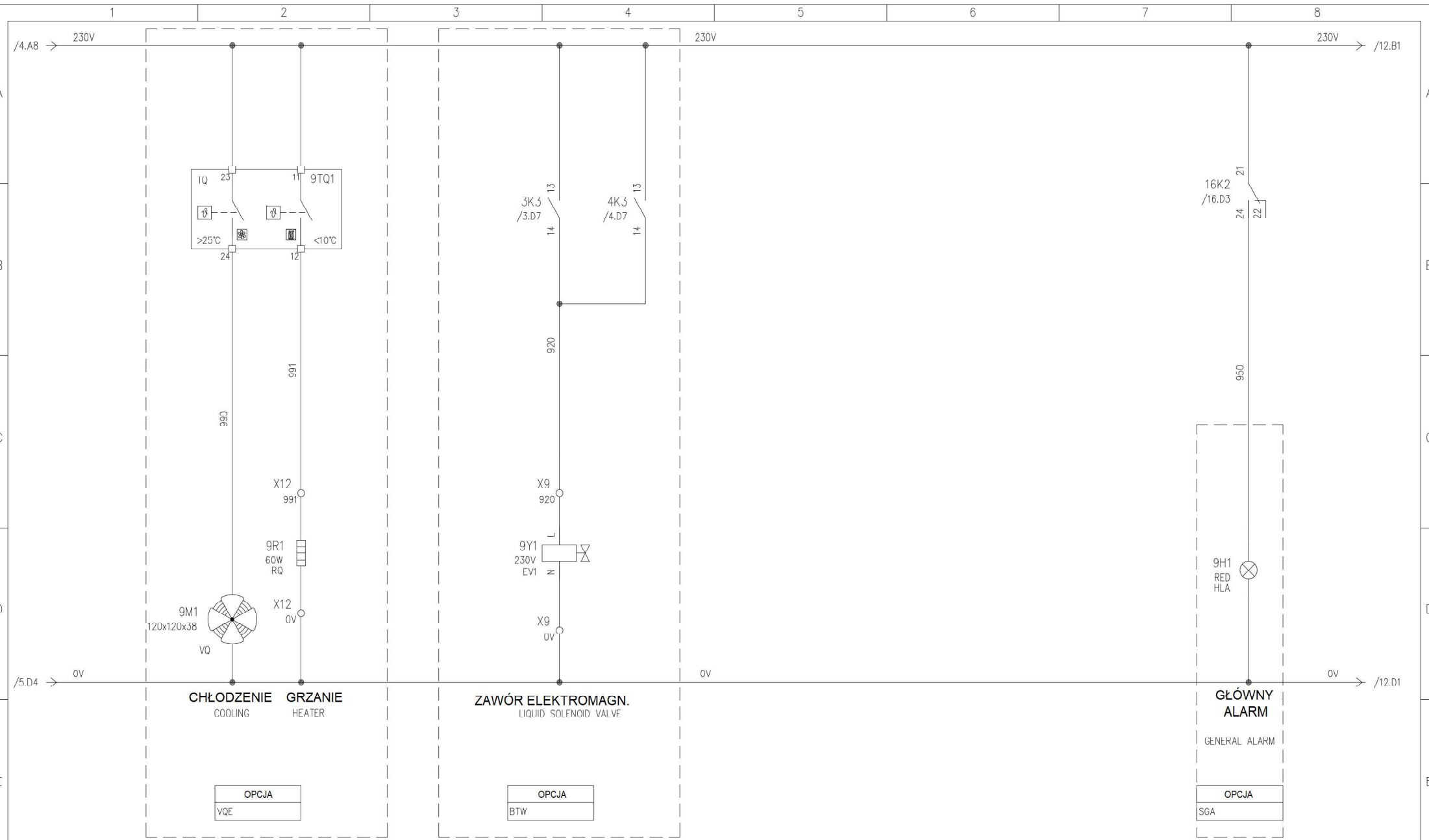
ZABEZPIECZENIE ZASILANIA po STRONIE UZYTEKOWNIKA
POWER SUPPLY PROTECTION SUPPLIED BY CUSTOMER
KABELSCHUTZ VOM KUNDEN
PROTECTION DU CABLE PAR LE CLIENT

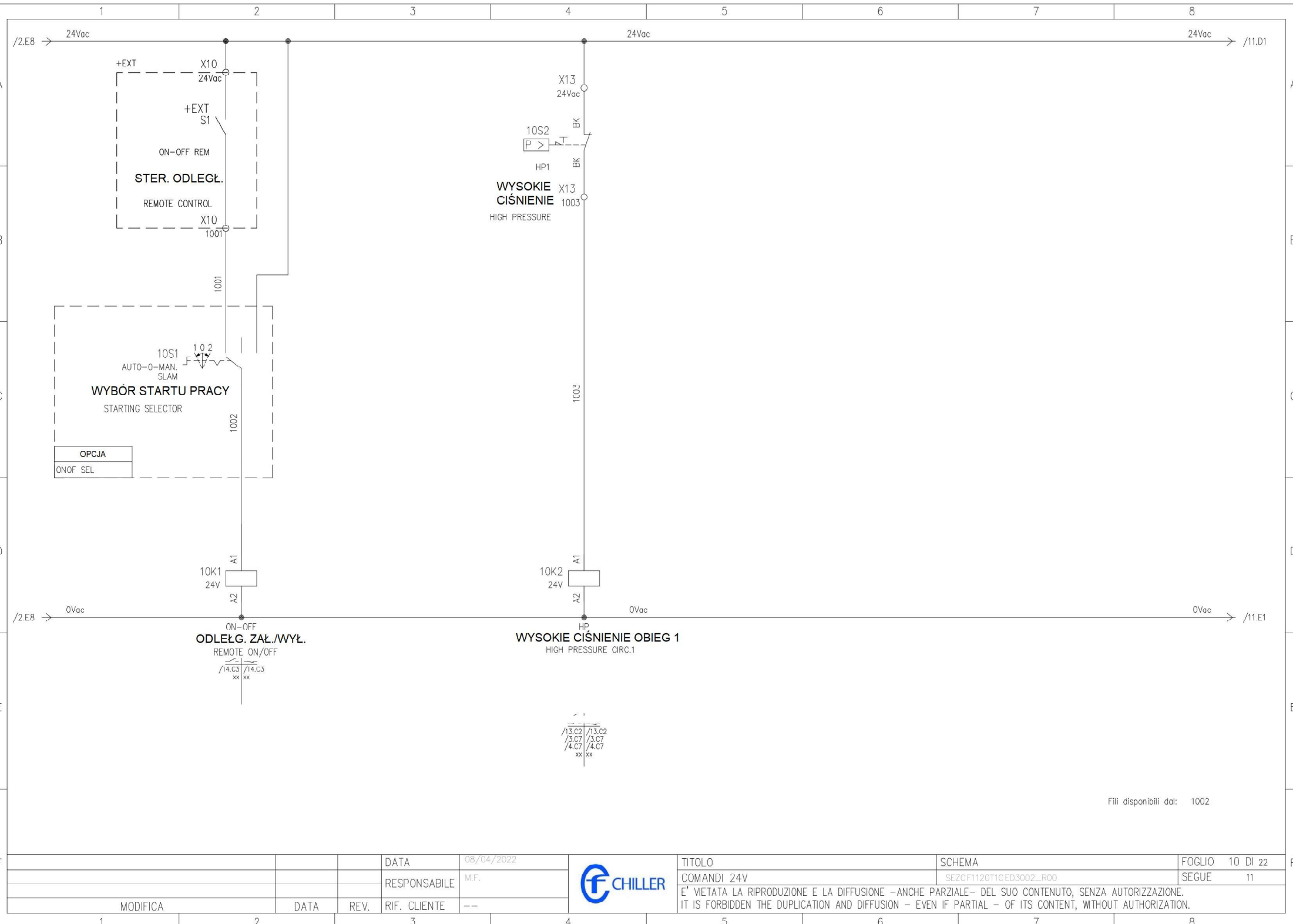
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Filo finale: 207
Fili disponibili dal: 208

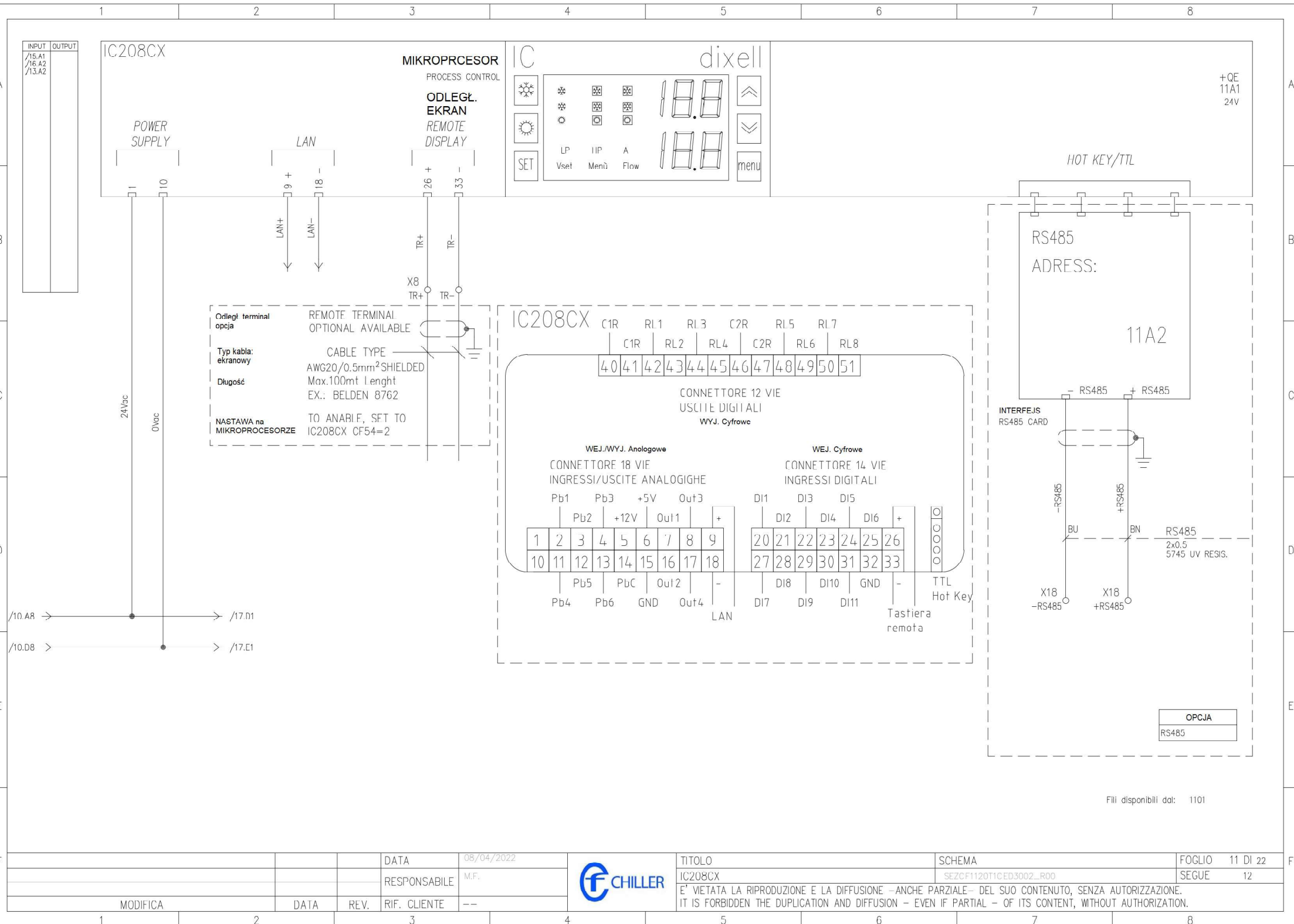
		DATA	08/04/2022		TITOLO	SCHEMA	FOGLIO	2 DI 22
		RESPONSABILE	M.F.		AUSILIARI	SEZCF1120T1CED3002_R00	SEGUE	5
		M.F.			E' VIETATA LA RIPRODUZIONE E LA DIFFUSIONE - ANCHE PARZIALE - DEL SUO CONTENUTO, SENZA AUTORIZZAZIONE. IT IS FORBIDDEN THE DUPLICATION AND DIFFUSION - EVEN IF PARTIAL - OF ITS CONTENT, WITHOUT AUTHORIZATION.			
MODIFICA	DATA	REV.	RIF. CLIENTE	--				
1	2	3	4	5	6	7	8	

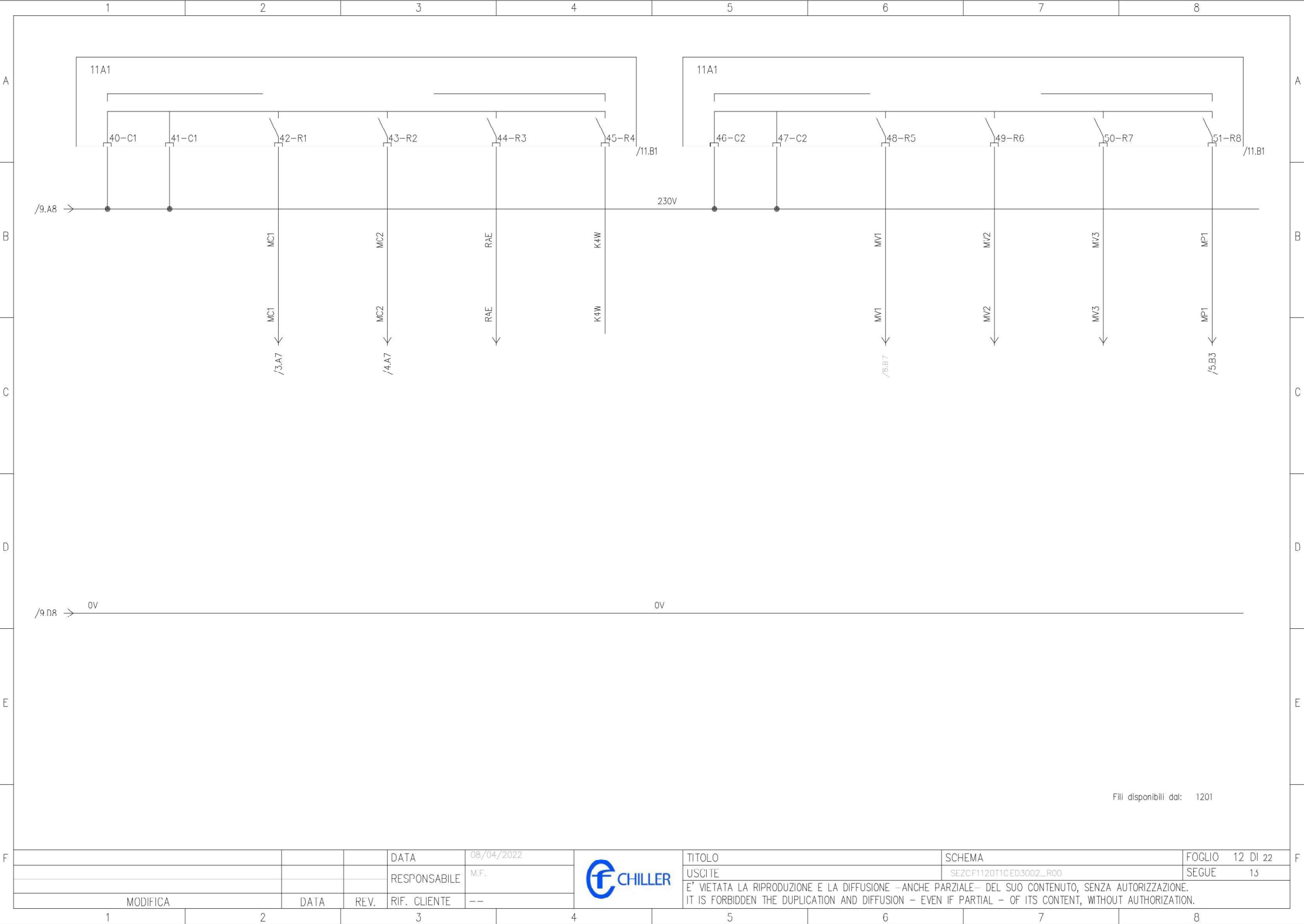












Fili disponibili dal: 1201

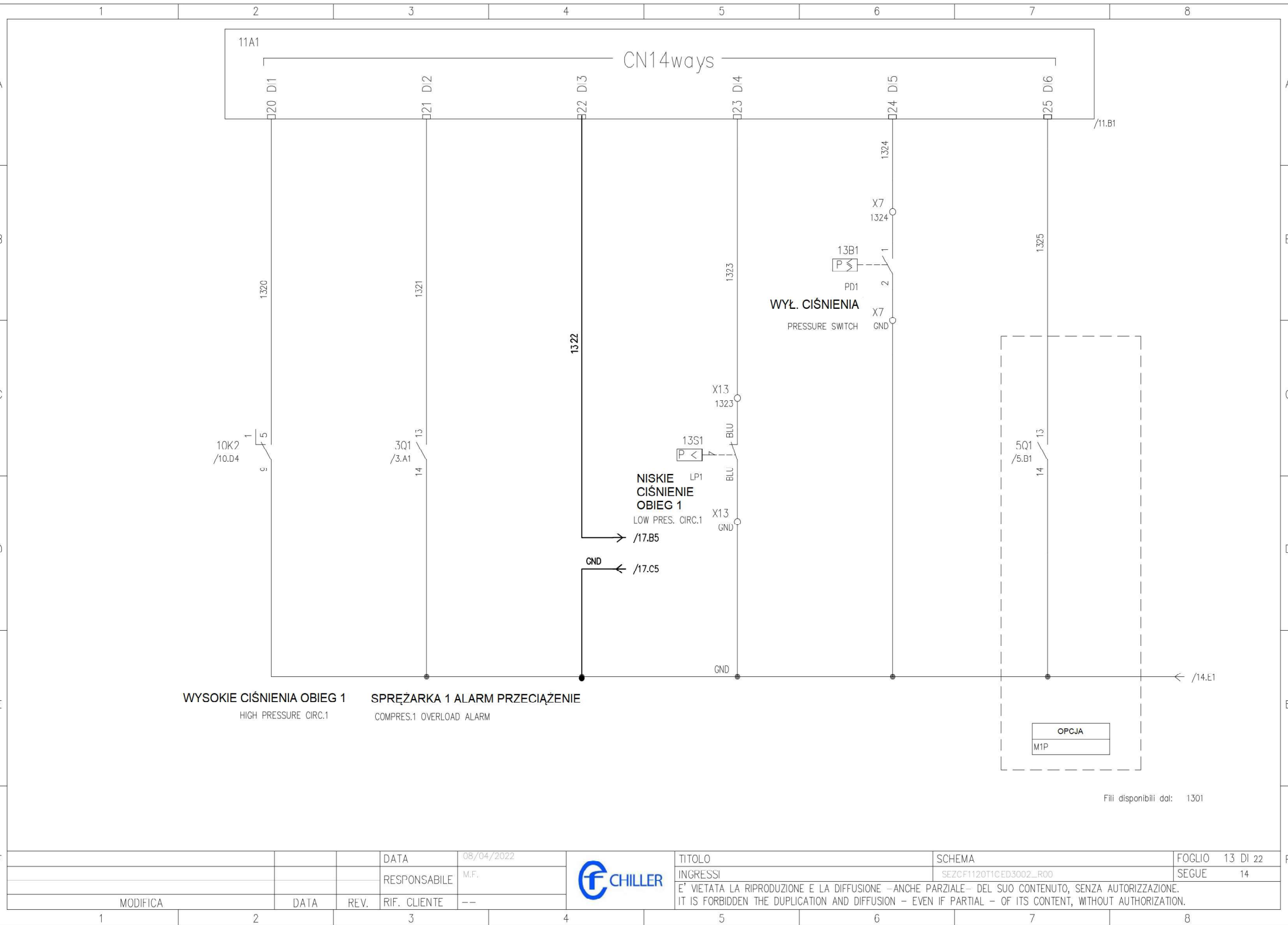
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1	2	3	4	5	6

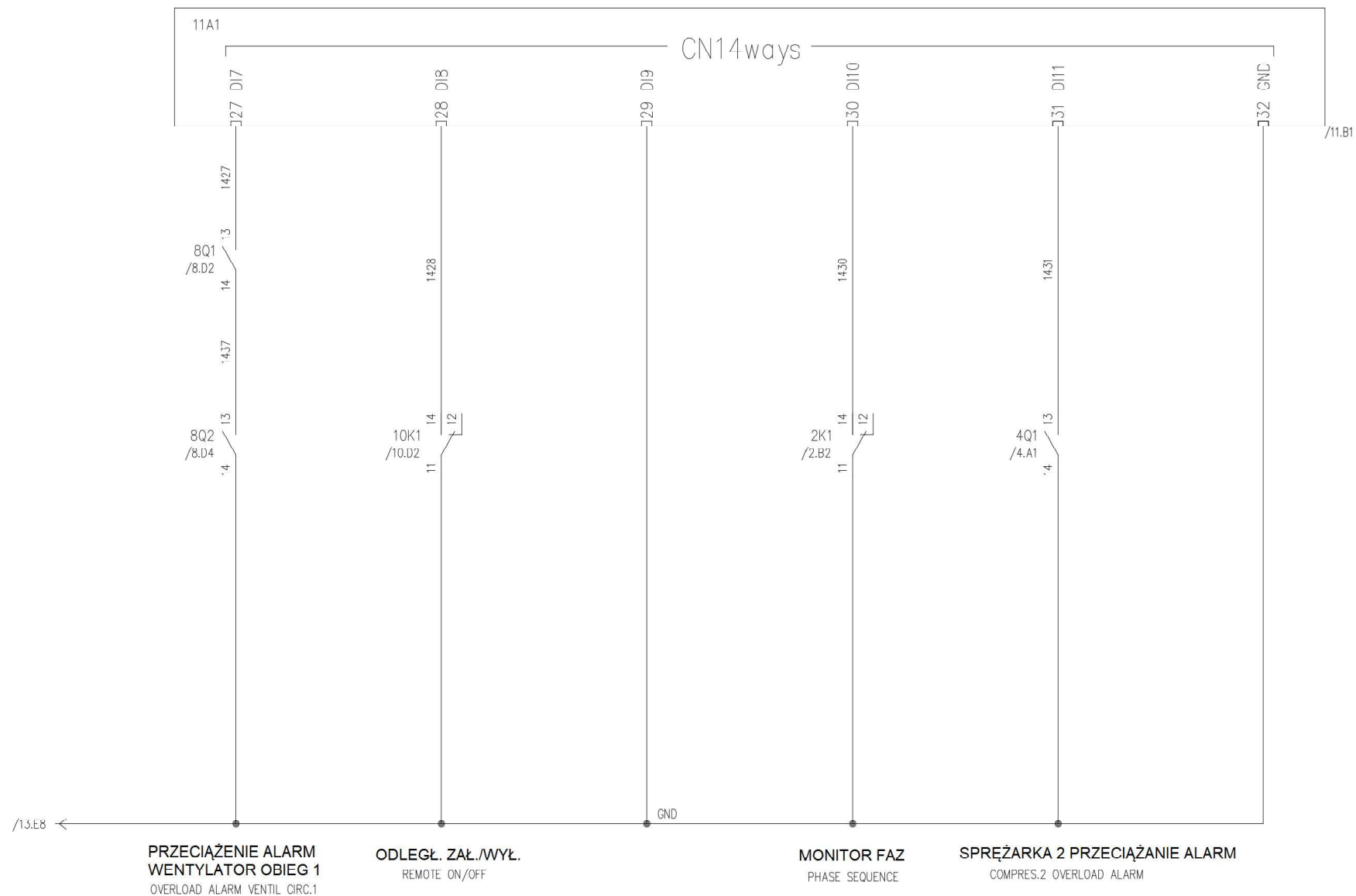
DATA	08/04/2022
RESPONSABILE	M.F.
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TITOLO	SCHEMA	FOGLIO 12 DI 22
USCITE	SEZCF1120T1CED3002_R00	SEGUE 13
E' VIETATA LA RIPRODUZIONE E LA DIFFUSIONE - ANCHE PARZIALE - DEL SUO CONTENUTO, SENZA AUTORIZZAZIONE. IT IS FORBIDDEN THE DUPLICATION AND DIFFUSION - EVEN IF PARTIAL - OF ITS CONTENT, WITHOUT AUTHORIZATION.		

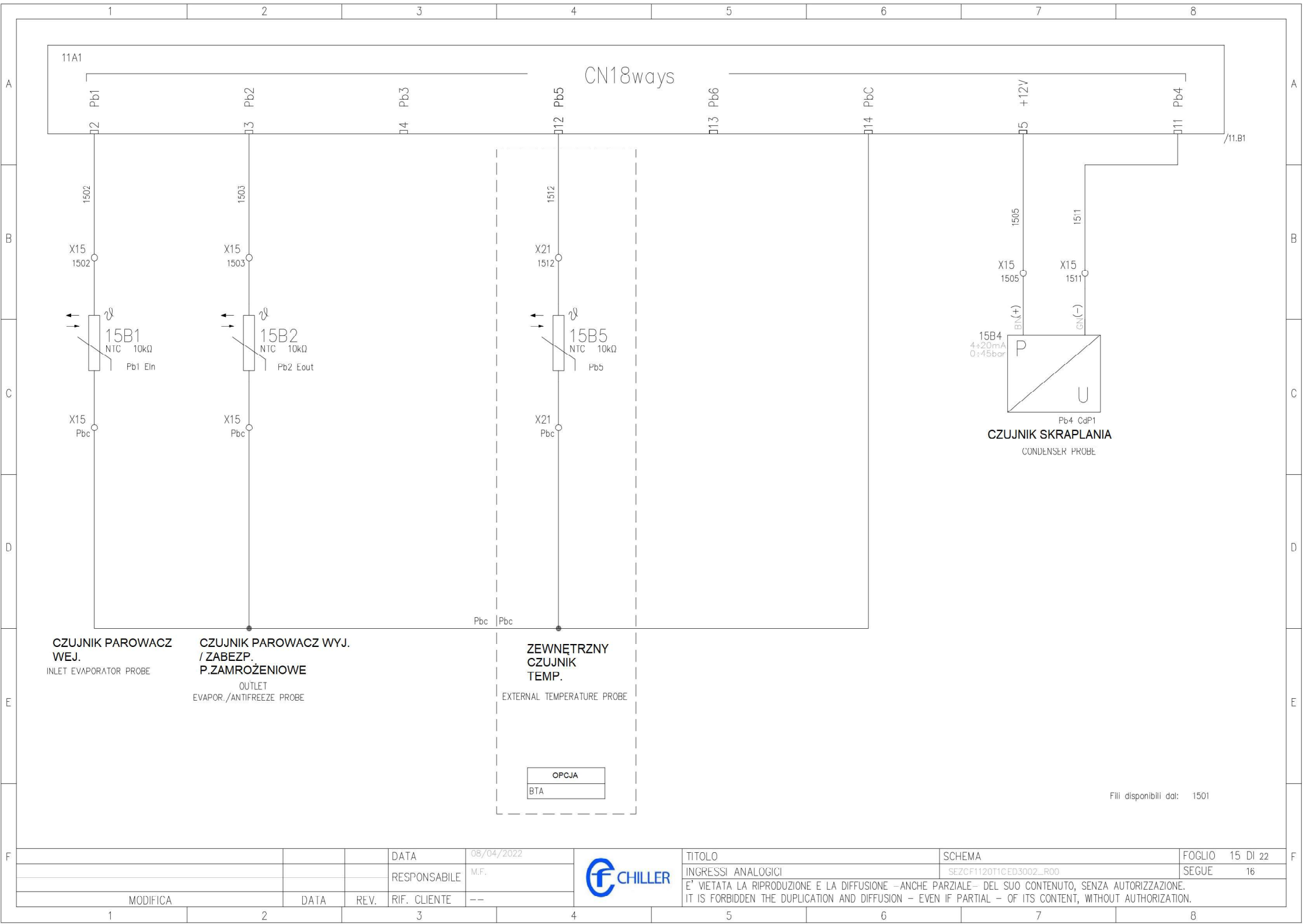
1	2	3	4	5	6	7	8
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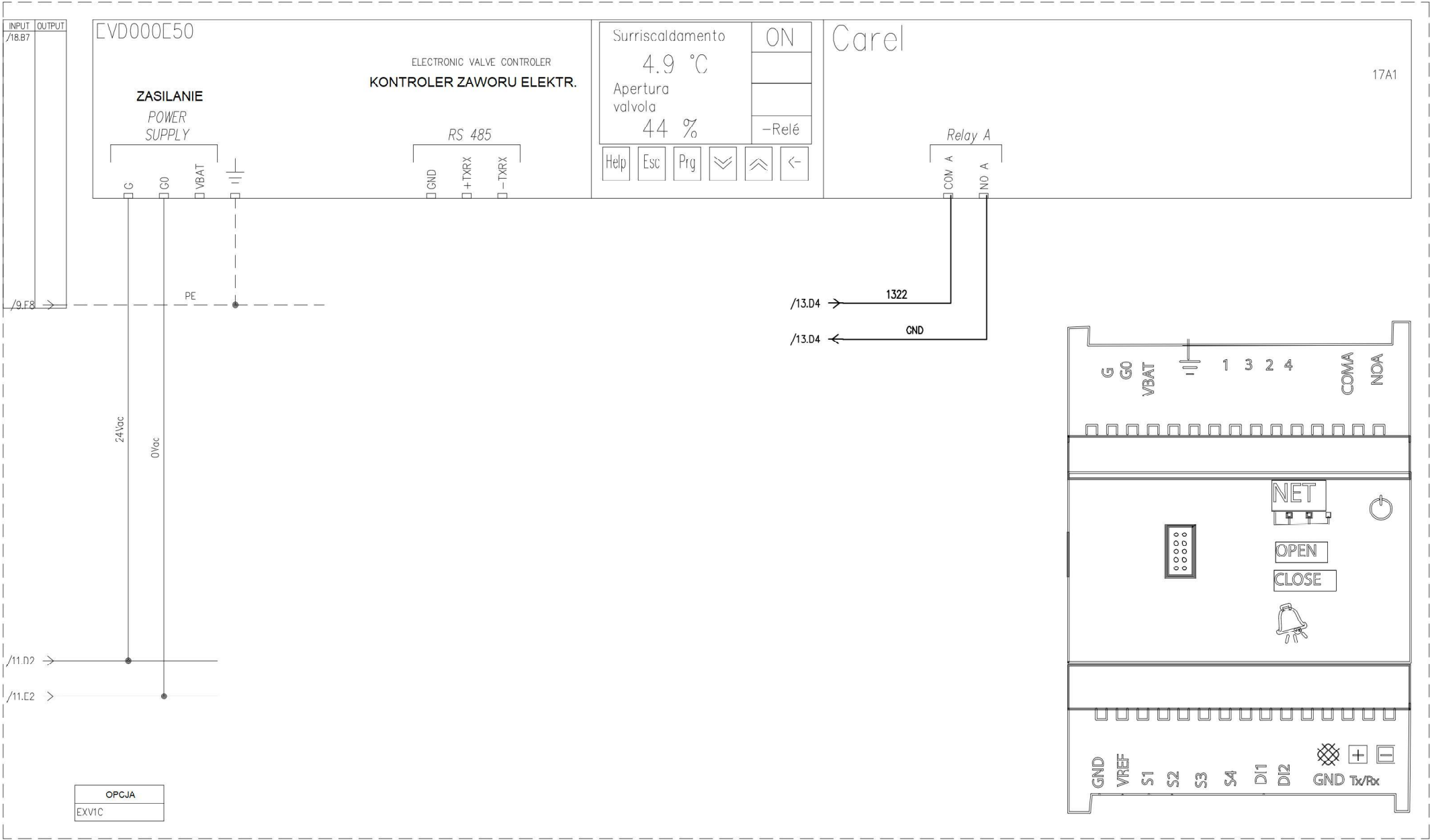




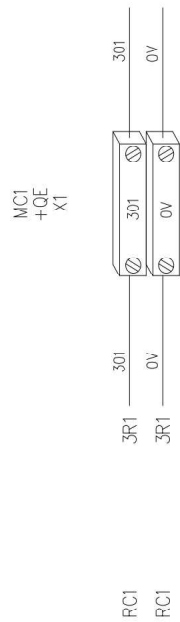


				DATA	08/04/2022		TITOLO	SCHEMA	Foglio	14 Di 22
				RESPONSABILE	M.F.		INGRESSI	SEZCF1120T1CED3002_R00	SEGUE	15
MODIFICA		DATA	REV.	RIF. CLIENTE	--		E' VIETATA LA RIPRODUZIONE E LA DIFFUSIONE -ANCHE PARZIALE- DEL SUO CONTENUTO, SENZA AUTORIZZAZIONE. IT IS FORBIDDEN THE DUPLICATION AND DIFFUSION - EVEN IF PARTIAL - OF ITS CONTENT, WITHOUT AUTHORIZATION.			
1	2			3	4	5	6	7	8	

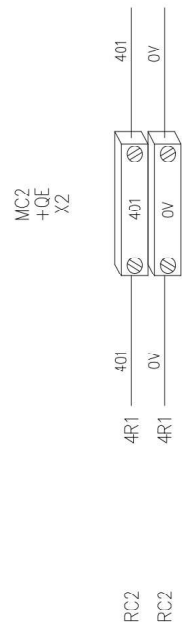




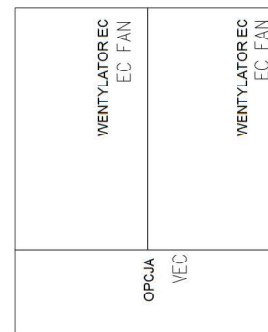
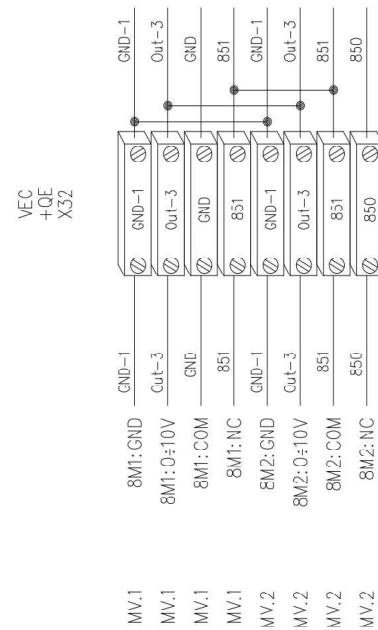
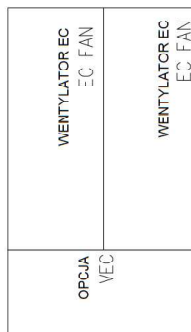
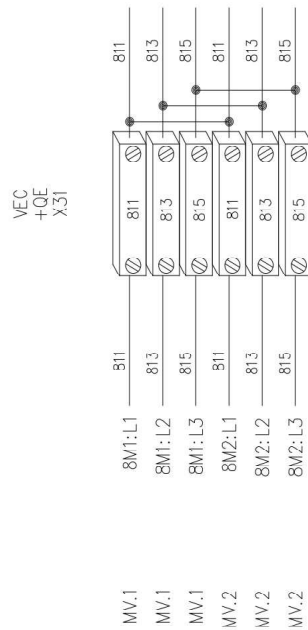
Fili disponibili dal: 1701



GRZAŁKA KARTERU 1
CRANKCASE HEATER 1



GRZĄŁKA KARTERU 2
CRANKCASE HEATER 2



A

B

C

D

E

F

A

B

C

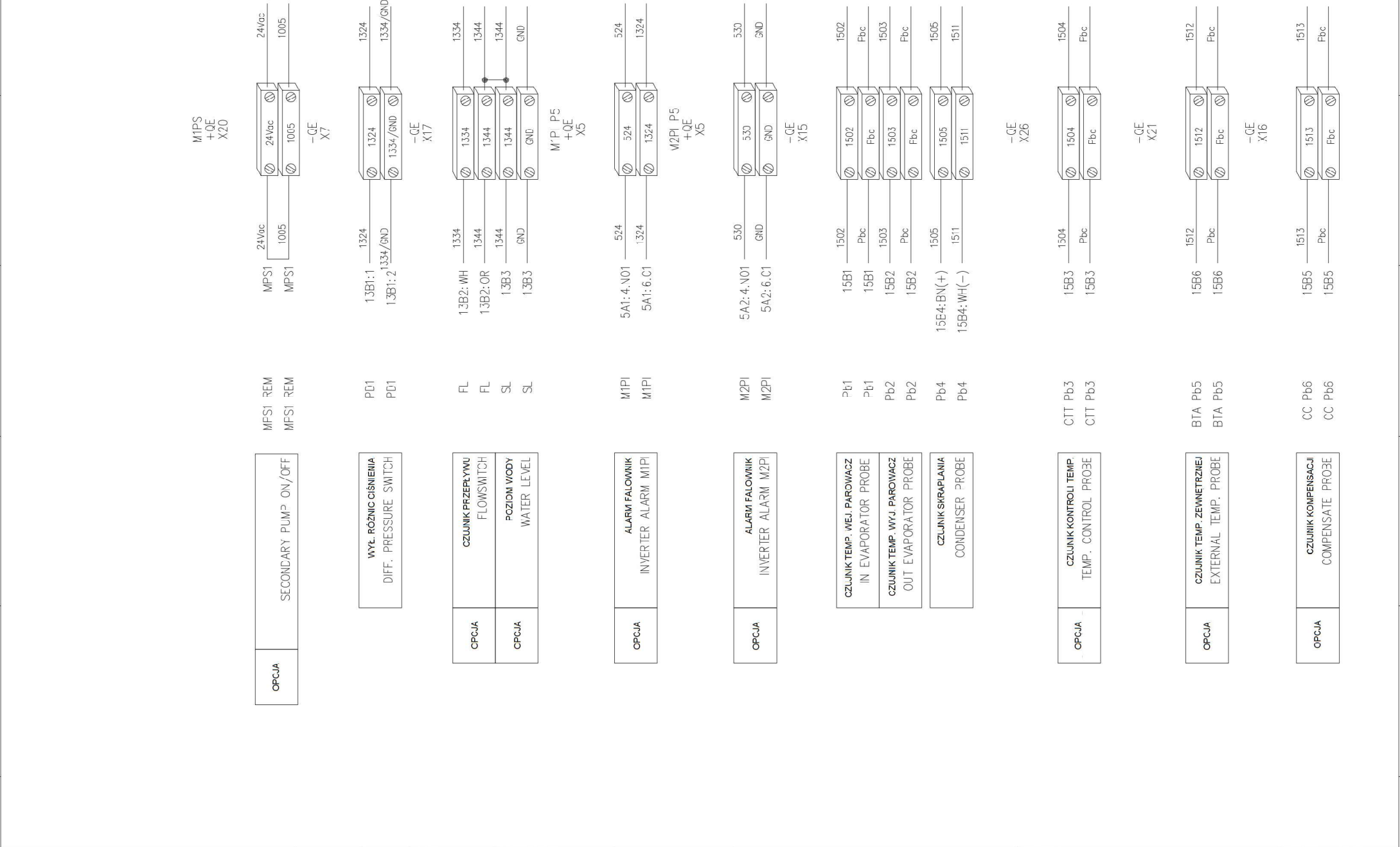
D

E


F

			DATA	08/04/2022		TITOLO	SCHEMA	FOGLIO 20 DI 22
			RESPONSABILE	M.F.		MORSETTIERA	SEZCF1120T1CED3002_R00	SEGUE 21
MODIFICA		DATA	REV.	RIF. CLIENTE		E' VIETATA LA RIPRODUZIONE E LA DIFFUSIONE - ANCHE PARZIALE - DEL SUO CONTENUTO, SENZA AUTORIZZAZIONE. IT IS FORBIDDEN THE DUPLICATION AND DIFFUSION - EVEN IF PARTIAL - OF ITS CONTENT, WITHOUT AUTHORIZATION.		

A
B
C
D
E
F



OPCJA		ANALOGOWE WYŁ.		ANALOGIC OUTPUT OUT3		REV/3TA		REV/3TA		8A1		Out-3		+QE		X'9	
										8A1		GND-1				GND-1	

1		2		3		4		5		6		7		8	
KOD	OZNACZENIE	OPIS				UWAGA		POZYCJA							
2F1	FU	FUSE BEZPIECZNIK				0,5A gG CH10		/2.B2							
2F2	FU	FUSE BEZPIECZNIK				4A aM CH10		/2.B4							
2F3	FU	FUSE BEZPIECZNIK				4A gG		/2.D4							
2F4	FU	FUSE BEZPIECZNIK				2A gG CH10		/2.D5							
2K1	KPP	PHASE FAILURE RELAY PRZEKAŹNIK MONITOR FAZ						/2.B2							
2Q0	QS	CIRCUIT INTERRUPTER PRZERYWACZ OBIEGU						/2.C1							
2T1	TR1	TRANSFORMER TRANSFORMATOR				600VA		/2.B4							
3K3	MC1	CONTACTOR STYCZNIK				230V 40A		/3.D7							
3M1	MC1	COMPRESSOR SPRĘŻARKA						/3.E2							
3Q1	30÷40	CIRCUIT BREAKER PRZERYWACZ OBIEGU				31,6A		/3.A1							
3R1	RC1	CRANKCASE HEATER GRZAŁKA KARTERU				230V 67W		/3.D4							
4K3	MC2	CONTACTOR STYCZNIK				230V 40A		/4.D7							
4M1	MC2	COMPRESSOR SPRĘŻARKA						/4.E2							
4Q1	30÷40	CIRCUIT BREAKER PRZERYWACZ OBIEGU				31,6A		/4.A1							
4R1	RC2	CRANKCASE HEATER GRZAŁKA KARTERU				230V 67W		/4.D4							
5K1	MP1	CONTACTOR STYCZNIK				230V 12A		/5.D3							
5M1	MP1	EVAPORATOR PUMP POMPA PAROWACZ						/5.E2							
5Q1	6÷10	CIRCUIT BREAKER PRZERYWACZ OBIEGU				6,4A		/5.B1							
8A1	FSR 8A	SPEED REGULATOR REGULATOR PRĘDKOŚCI				400V 50–60Hz		/8.B2							
8F1	FU	FUSE BEZPIECZNIK				8A gG CH10		/8.A2							
8K1	MV1+MV3	CONTACTOR STYCZNIK				230V		/8.D7							
8M1	MV.1	VENTILATOR WENTYLATOR						/8.E2							
8M2	MV.2	VENTILATOR WENTYLATOR						/8.F4							
8Q1	2,5÷4	CIRCUIT BREAKER PRZERYWACZ OBIEGU				2,5A		/8.D2							
8Q2	2,5÷4	CIRCUIT BREAKER PRZERYWACZ OBIEGU				2,5A		/8.D4							
9M1	VQ	COOLING CHŁODZENIE				120x120x38		/9.D2							
9R1	RQ	HEATER GRZANIE				60W		/9.D2							
9TQ1	TQ	ELECTRIC PANEL THERMOSTAT TERMOSTAT PANELU ELEKTRYCZNEGO				>25°C		/9.A2							
9Y1	EV1	LIQUID SOLENOID VALVE ZAWÓR ELETROMAGNETYCZNY				230V		/9.D4							
9H1	HLA	GENERAL ALARM GŁÓWNY ALARM				RED		/9.D8							
10K1	ON–OFF	REMOTE ON/OFF ODLEGŁ. ZAŁ./WYŁ.				24V		/10.D2							
					DATA	08/04/2022			TITOLO		SCHEMA		FOGLIO 23 DI 22		
					RESPONSABILE	M.F.			Lista parti		SEZCF1120T1CED3002_R00		SEGUE 24		
									E' VIETATA LA RIPRODUZIONE E LA DIFFUSIONE –ANCHE PARZIALE– DEL SUO CONTENUTO, SENZA AUTORIZZAZIONE.						
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MODIFICA		DATA	REV.	RIF. CLIENTE	--										
1		2		3		4		5		6		7		8	

	1	2	3	4	5	6	7	8
	KOD	OZNACZENIE	OPIS		UWAGA	POZYCJA		
	10K2	HP	HIGH PRESSURE CIRC.1 WYS. CIŚNIENIE OBIEG 1		24V	/10.D4		
	10S1	SLAM	STARTING SELECTOR WYBÓR STARTU		AUTO–0–MAN.	/10.C2		
	10S2	HP1	HIGH PRESSURE WYSOKIE CIŚNIENIE			/10.A4		
	11A1	IC208CX	PROCESS CONTROL MIKROPROCESOR		24V	/11.B1		
	11A2	RS485	RS485 CARD INTEFREJS			/11.B7		
	13B1	PD1	PRESSURE SWITCH WYL. CIŚNIENIA			/13.B6		
	13S1	LP1	LOW PRES. CIRC.1 NISKIE CIŚNIENIE OBIEG 2			/13.C5		
	15B1	Pb1 Ein	INLET EVAPORATOR PROBE CZUJNIK WEJ. PAROWACZ			/15.B1		
	15B2	Pb2 Eout	OUTLET EVAPOR./ANTIFREEZE PROBE CZUJNIK WYJ. PAROWACZ / ZABEZP. P.ZAMROŻENIOWE			/15.B2		
	15B4	Pb4 CdP1	CONDENSER PROBE CZUJNIK SKRAPLANIA			/15.C7		
	15B5	Pb5	EXTERNAL TEMPERATURE PROBE CZUJNIK TEMP. ZEWNĘTRZNEJ			/15.B4		
	16K2	KGA	GENERAL ALARM GŁÓWNY ALARM		12Vdc 40mA Max!	/16.D3		
	16K2	KGA	GENERAL ALARM GŁÓWNY ALARM			/16.C7		
	17A1	EVD000E50	ELECTRONIC VALVE CONTROLER KONTROLER ELEKTR. ZAWORU ROZPRĘZNEGO			/17.B1		
	18B1	PbE2.C1	SUCTION TEMP. PROBE CZUJNIK TEMP. SSANIA			/18.C2		
	18B3	PbE1.C1	PRESSURE PROBE CZUJNIK CIŚNIENIA			/18.C1		
	18Y1	EXV1	ELECTRONIC EXPANSION VALVE ELEKTR. ZAWÓR ROZPRĘŻNY		EXV1	/18.B7		
	S1	ON–OFF REM	REMOTE CONTROL ODELGŁ. STEROWANIE			/10.A2		