

# RIVACOLD

## MASTERING COLD

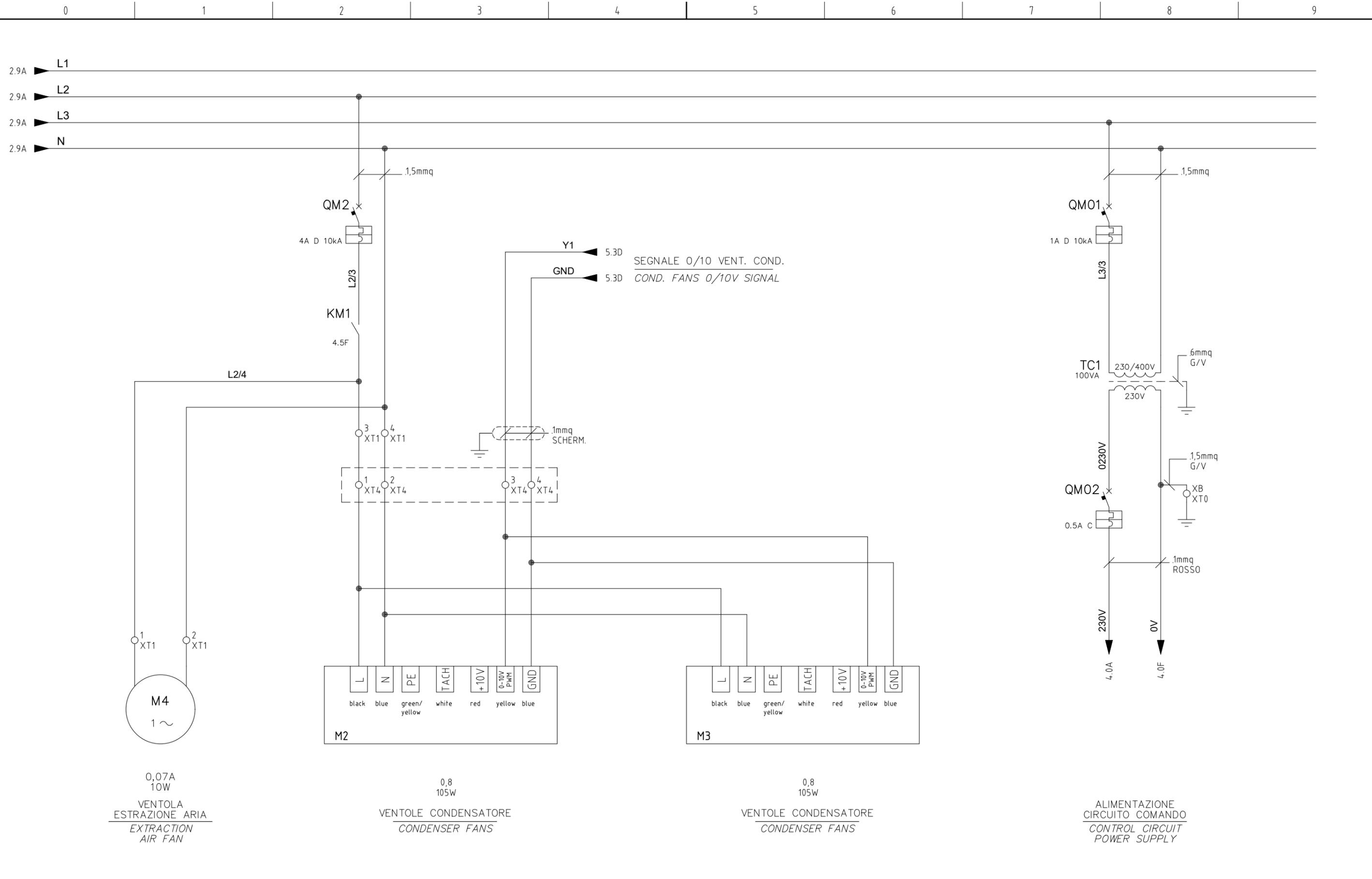
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PROGETTO  
BANCA DIS.  
TIPICO

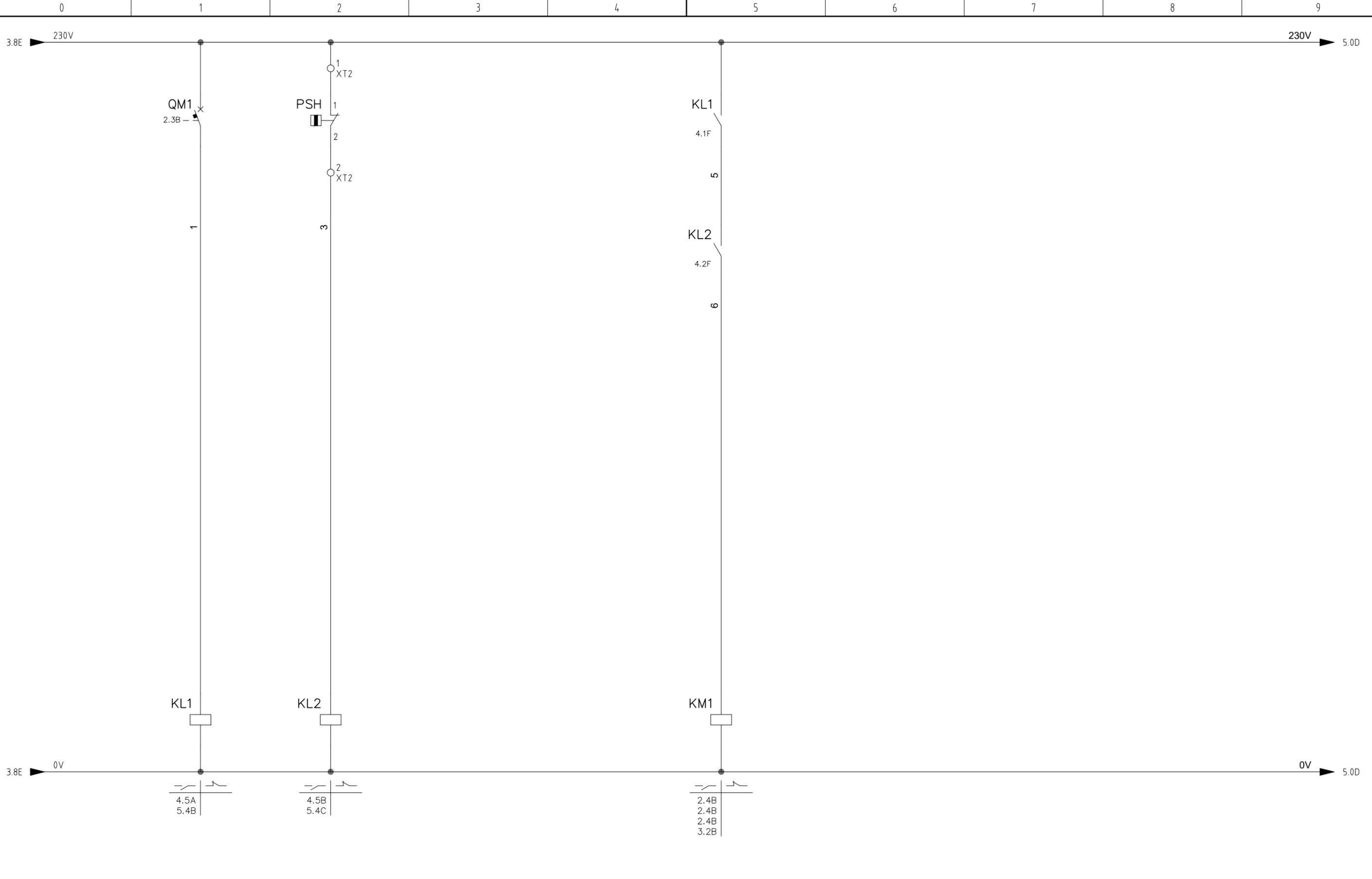
RY100		NORMA: NORM:	CE CEI EN 60204-1
CORRENTE MASSIMA: MAXIMUM CURRENT:	24,6A	TENSIONE ESERCIZIO: POWER SUPPLY:	400V / 3F~ / 50Hz / ±10%
CORRENTE ASSORBITA ALLE CONDIZIONI DI LAVORO: CURRENT CONSUMPTION AT WORKING POINT:	10A	TENSIONE CIRCUITI AUSILIARI: AUXILIARY CIRCUITS VOLTAGE:	230V
POTENZA ASSORBITA ALLE CONDIZIONI DI LAVORO: POWER CONSUMPTION AT WORKING POINT:	5,7kW	TENSIONE CONTROLLO ELETTRONICO: ELECTRONIC CONTROL POWER SUPPLY:	230V
—		CORRENTE CORTO CIRCUITO: SHORT CIRCUIT CURRENT:	I <sub>cc</sub> 10kA
—		NORMA RIF: NORM REF:	CEI EN 60947-2
		CODICE MACCHINA: MACHINE CODE:	
		CODICE QUADRO ELETTRICO: ELECTRICAL BOARD CODE:	56007076

05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17		<i>MH 2x450 BLDC HECU CO2</i>	ECNZ2Z06000-X	=	
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI				+	
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO						
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI	SOST. IL :	SOST. DA :	FILE : ECNZ2Z06000-X.dwg	56007076	FG. 1 11 F.S. 2

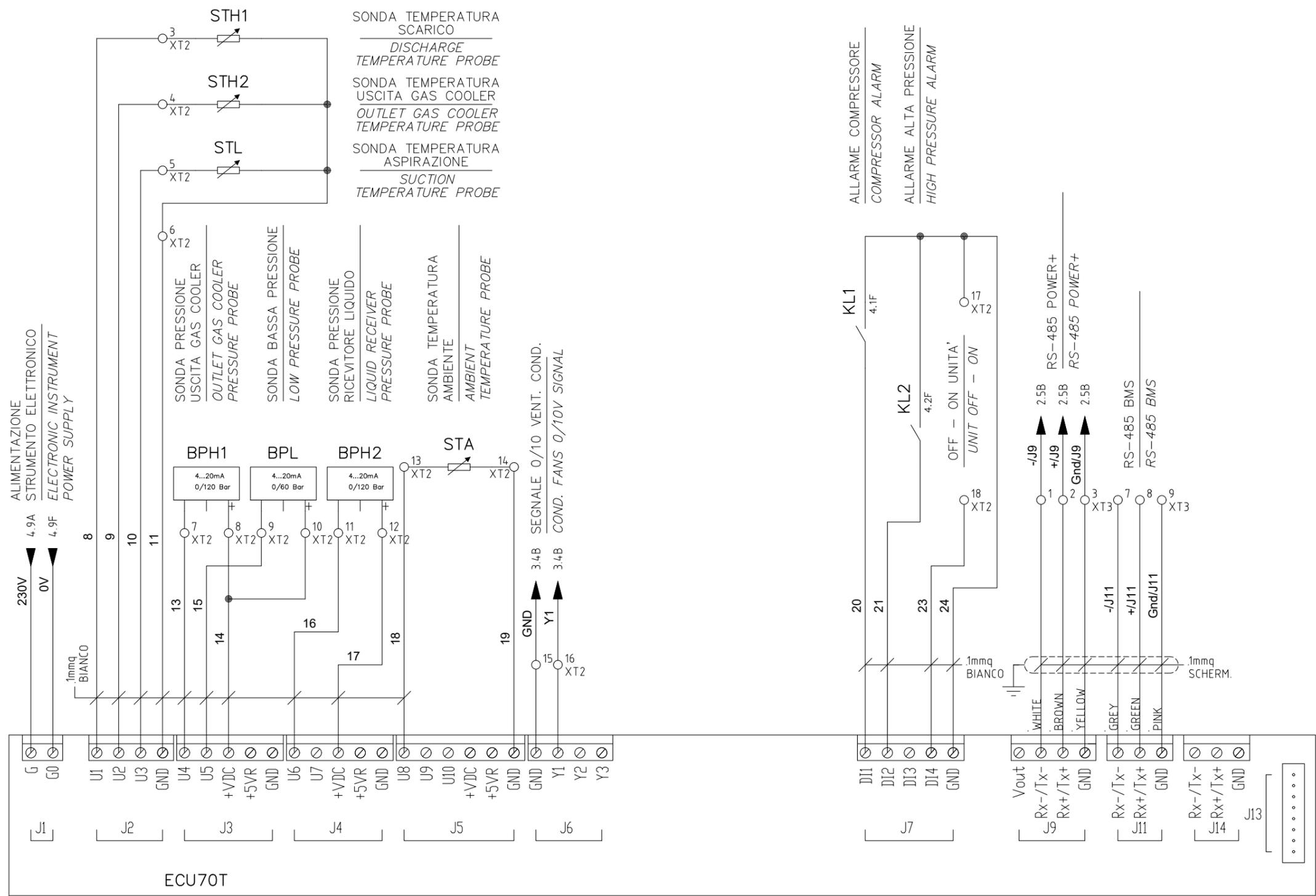




05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17	<b>RIVACOLD</b> MASTERING-COLD	<b>MH 2x450 BLDC</b> HECU CO2	<b>ECNZ2Z06000-X</b>	=		
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI					CIRCUITO POTENZA VENT. COND. COND. FANS POWER CIRCUIT	+
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO							
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI	SOST. IL :	SOST. DA :	FILE : ECNZ2Z06000-X.dwg	56007076		



05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17	<b>RIVACOLD</b> <small>MASTERING-COLD</small>	<i>MH 2x450 BLDC HECU C02</i>		ECNZ2Z06000-X	=
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI		CIRCUITO DI COMANDO SICUREZZE SAFETY CONTROL CIRCUIT			+
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO						
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI	SOST. IL :	SOST. DA :	FILE : ECNZ2Z06000-X.dwg	56007076	FG. 4 11 F.S. 5



05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO	
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI

SOST. IL :	SOST. DA :
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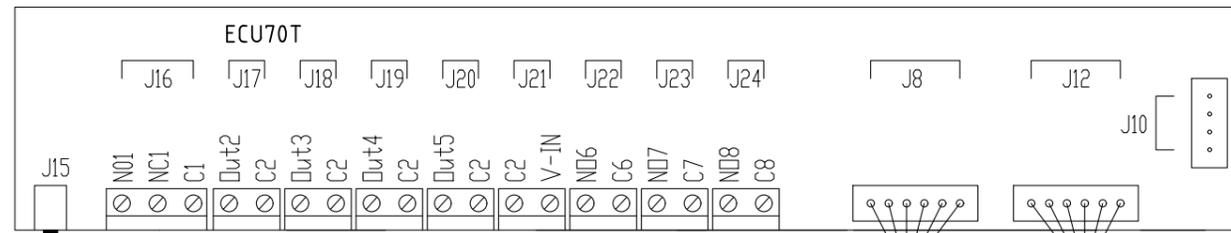
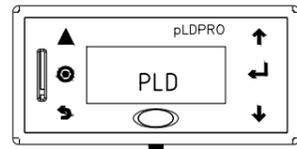
**RIVACOLD**  
MASTERING-COLD

FILE : ECNZ2Z06000-X.dwg

MH 2x450 BLDC  
HECU CO2

INGRESSI CONTROLLO ECU70T  
INPUTS ECU70T CONTROL

ECNZ2Z06000-X	=	
	+	
56007076	FG. 5	11
	F.S. 6	



RELE' ALLARME  
ALARM RELAY

COMPRESSORE PRONTO  
COMPRESSOR READY

HPV  
VALVOLA TERMOSTATICA  
ELETTRONICA [HPV]  
ELECTRONIC THERMOSTATIC  
VALVE [HPV]

VFL  
VALVOLA TERMOSTATICA  
ELETTRONICA [RPRV]  
ELECTRONIC THERMOSTATIC  
VALVE [RPRV]

05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO	
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI

SOST. IL :                      SOST. DA :



FILE : ECNZ2Z06000-X.dwg

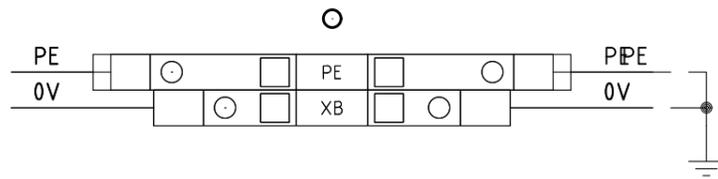
MH 2x450 BLDC  
HECU CO2  
USCITE CONTROLLO ECU70T  
OUTPUTS ECU70T CONTROL

ECNZ2Z06000-X

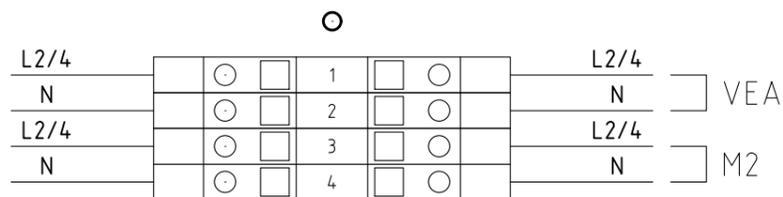
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FG. 6 11  
F.S. 7

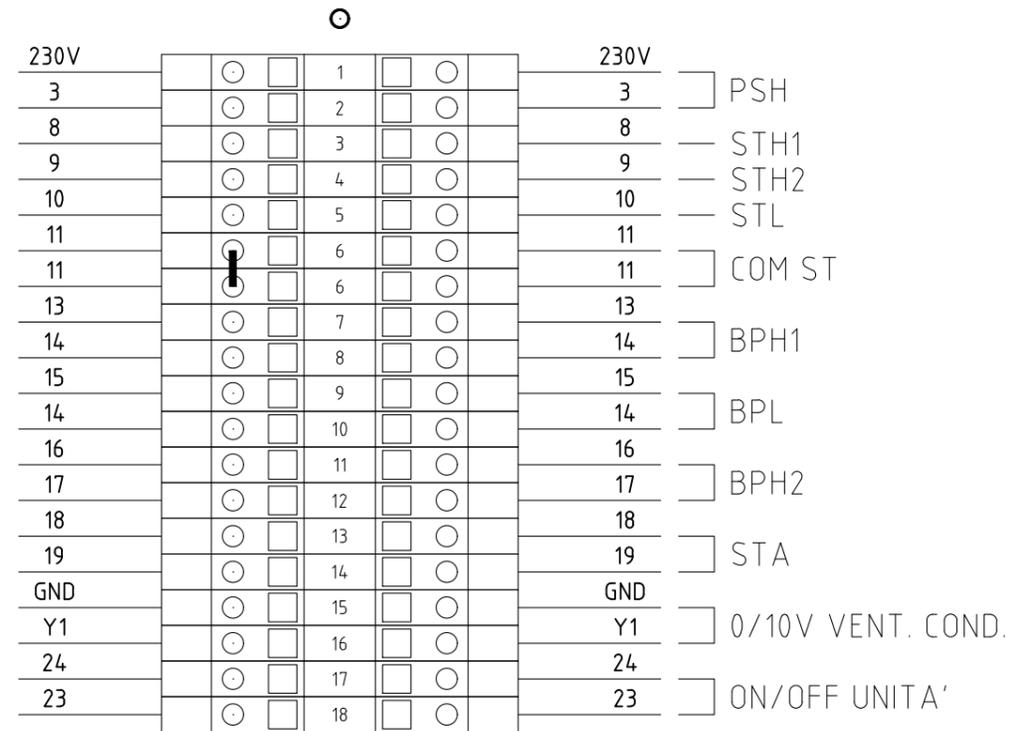
**=QG - XT0**  
MORSETTIERA TERRA



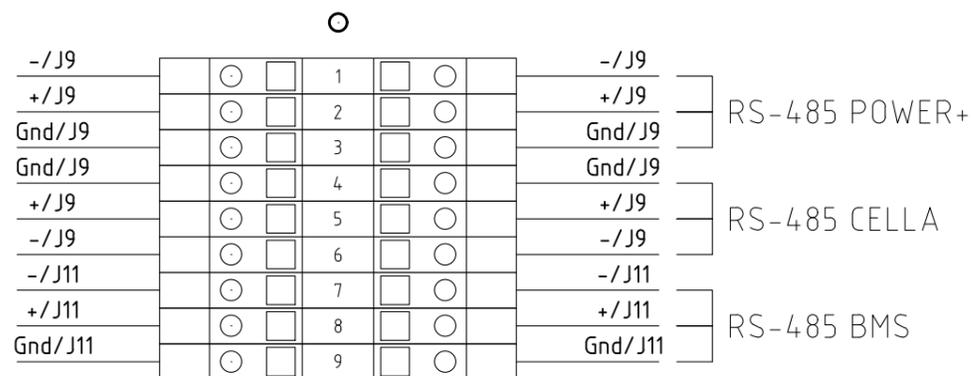
**=QG - XT1**  
MORSETTIERA POTENZA



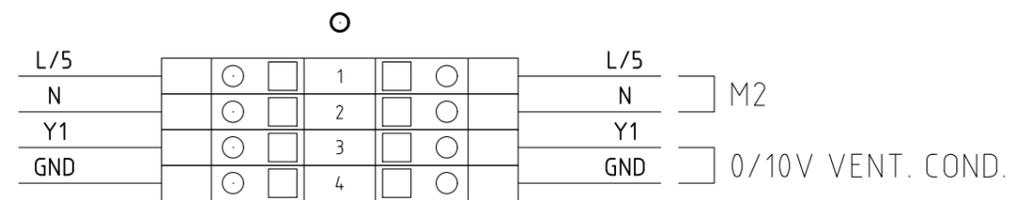
**=QG - XT2**  
MORSETTIERA COMANDO



**=QG - XT3**  
MORSETTIERA RS485



**=QG - XT4**  
MORSETTIERA VENT. COND.



05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO	
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI

SOST. IL :                      SOST. DA :



MH 2x450 BLDC  
HECU CO2

ECNZ2Z06000-X

MORSETTIERE  
TERMINALS BOARD

56007076

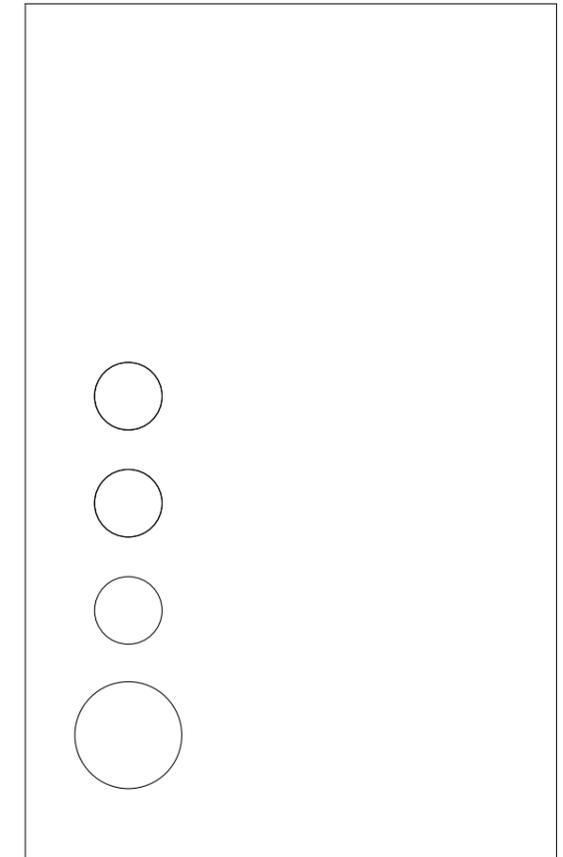
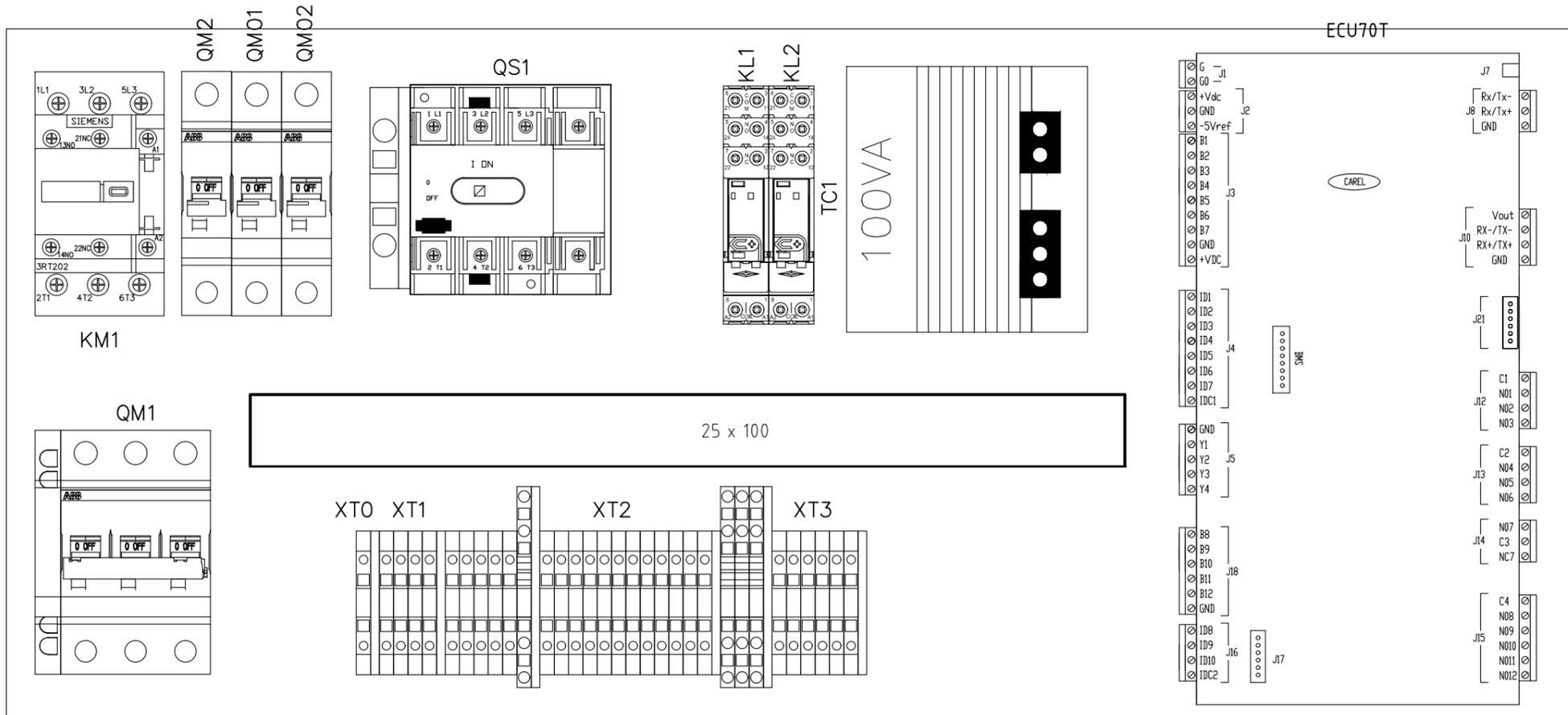
FG. 7 11  
F.S. 8

Nome/Item	Quadro/Board	Tipo/Type	Descrizione IT (Db)	Descrizione EN (Db)	Costruttore/Marke	Fg/Sh	Q.ta/Q.ty	Codice Interno (Db)
	=QG					10	2	
25 x 100	=QG	25 x 100			Generic	10	0.3	
BPH1	=QG	SPKT00H8C0 SPKC005310	SONDA PRESSIONE 0-120 Bar 4-20mA CAVO 3 FILI X SONDA CAREL SPK	0-150 Bar PRESSURE PROBE 4-20mA 3 WIRE CABLE FOR SPK CAREL PROBE	Carel Carel	5 1	1 1	SPKT00H8C0 SPKC005310
BPH2	=QG	SPKT00H8C0 SPKC005310	SONDA PRESSIONE 0-120 Bar 4-20mA CAVO 3 FILI X SONDA CAREL SPK	0-150 Bar PRESSURE PROBE 4-20mA 3 WIRE CABLE FOR SPK CAREL PROBE	Carel Carel	5 1	1 1	SPKT00H8C0 SPKC005310
BPL	=QG	SPKT00G1C0 SPKC005310	SONDA PRESSIONE 0-60 Bar 4-20mA CAVO 3 FILI X SONDA CAREL SPK	0-60 Bar PRESSURE PROBE 4-20mA 3 WIRE CABLE FOR SPK CAREL PROBE	Carel Carel	5 1	1 1	SPKT00G1C0 SPKC005310
ECU70T	=QG	ECU70TS0D0	CONTROLLO ELETTRONICO HECU CO2 230V	ELECTRONIC CONTROL HEOS 230V	Carel	5	1	ECU70TS0D0
HPV	=QG	T.E.	VALVOLA ELETTRONICA DI ESPANSIONE MOTORIZZATA	STEPPER ELECTRONIC EXPANSION VALVES	Rivacold	6	1	
KL1	=QG	FIN465282300040 FIN9702SPA	RELE' 2/S 250V-8A 230V/1/50-60Hz ZOC COLO 2/SC MINI (S.4652)	RELAY 2/S 250V-8A 230V/1/50-60Hz RELAY SUPPORT 2/SC MINI (S.4652)	Finder Finder	4 1	1 1	99103310 99103311
KL2	=QG	FIN465282300040 FIN9702SPA	RELE' 2/S 250V-8A 230V/1/50-60Hz ZOC COLO 2/SC MINI (S.4652)	RELAY 2/S 250V-8A 230V/1/50-60Hz RELAY SUPPORT 2/SC MINI (S.4652)	Finder Finder	4 1	1 1	99103310 99103311
KM1	=QG	3RT2926-1BD00 3RT2027-1AL20	FILTRO VARISTORE 230V PER S0,S2,S3 TELERUTTORE 230V 15kW S0	230V VARISTOR FILTER FOR S0,S2,S3 REMOTE CONTROL SWITCH 230V 15kW S0	Siemens Siemens	4 1	1 1	99105823 99105919
M1	=QG	COMPRESSORE	COMPRESSORE	COMPRESSOR	Rivacold	2	1	
M2	=QG	A	VENTILATORE ELETTRONICO	ELECTRONIC FAN	Rivacold	3	1	
M3	=QG	A	VENTILATORE ELETTRONICO	ELECTRONIC FAN	Rivacold	3	1	
M4	=QG	VENTOLA ESTRA.	VENTOLA ESTRAZIONE ARIA	AIR EXTRACTION FAN	Rivacold	3	1	
PLD	=QG	PLD01GFP00	TERMINALE GRAFICO DA INCASSO 71x29	DISPLAY TERMINAL 71x29	Carel	6	1	PLD01GFP00
POWER+	=QG	PSD1018400	INVERTER POWER+ 18A 380-480V 3PH	POWER+ INVERTER 18A 380-480V 3PH	Carel	2	1	PSD1018400
PSA	=QG	PSACH10200	FILTRO EMC 1,6MH	EMC FILTER 1,6MH	Carel	2	1	PSACH10200
PSH	=QG	PSH	PRESSOSTATO ALTA GENERALE	MAIN HIGH PRESSURE SWITCH	Rivacold	4	1	
QM01	=QG	S599313	MAGNETOTERMICO 1P 1A D 15kA	MAGNETOTHERMAL 1P 1A D 15kA	Abb	3	1	99104886
QM02	=QG	S523295	MAGNETOTERMICO 1P 0.5A C 10kA	MAGNETOTHERMAL 1P 0.5A C 10kA	Abb	3	1	99104800
QM1	=QG	S468305 A648820	MAGNETOTERMICO 3P 32A C 10KA CONT. AUX LAT. SX 1NO+1NC S2C-H11L	MAGNETOTHERMAL 3P 32A C 10KA 1NO+1NC LAT. SX AUX CONT. S2C-H11L	Abb Abb	2 1	1 1	99104847 99104958
QM2	=QG	S599375	MAGNETOTERMICO 1P 4A D 15kA	MAGNETOTHERMAL 1P 4A D 15kA	Abb	3	1	99104888
QS1	=QG	OT63F4N2 OXS6X250 OHYS2AJ	SEZIONATORE 45A ASTA L=250mm 16-90A MANIGLIA 16-90A	MAIN SWITCH 45A MAIN SWITCH ROD L=250mm 16-90A LOCKING DOOR HANDLE 16-90A	Abb Abb Abb	2 1 1	1 1 1	99103203 99103209 99103211
STA	=QG	NTC015HP00	SONDA PVC TEMPERATURA	PVC TEMPERATURE PROBE NTC	Carel	5	1	NTC015HP00
STH1	=QG	NTC015HT41	SONDA TEMPERATURA NTC TESTA INOX 0-150°C IP55	POLYESTER HEAD TEMPERATURE PROBE NTC	Carel	5	1	NTC015HT41
STH2	=QG	NTC015WH01	SONDA ACCIAIO TEMPERATURA	IRON TEMPERATURE PROBE NTC	Carel	5	1	NTC015WH01
STL	=QG	NTC030WF00	SONDA ACCIAIO TEMPERATURA LETTURA VELOCE	IRON TEMPERATURE PROBE FAST READ NTC	Carel	5	1	NTC030WF00
TC1	=QG	438RIC0094	TRASFORMATORE 100VA 230-400V/230V S/FUS	TRANSFORMER 100VA 230-400/230V S/FUS	Taddei	3	1	99105786
VFL	=QG	T.E.	VALVOLA ELETTRONICA DI ESPANSIONE MOTORIZZATA	STEPPER ELECTRONIC EXPANSION VALVES	Rivacold	6	1	
XT0	=QG	280-330 280-601 284-316 284-607	FINALE PER MORSETTO 2 CONDUTTORI CAGE-CLAMP 2.5mmq MORSETTO 2 CONDUTTORI CAGE-CLAMP 2.5mmq FINALE PER MORSETTO 2 CONDUTTORI CAGE-CLAMP 10mmq MORSETTO DI TERRA 2 CONDUTTORI CAGE-CLAMP 10mmq	TERMINAL ENDING 2 WIRES CAGE-CLAMP 2.5mmq TERMINAL 2 WIRES CAGE-CLAMP 2.5mmq TERMINAL ENDING 2 WIRES CAGE-CLAMP 10mmq GROUND TERMINAL 2 WIRES CAGE-CLAMP 10mmq Y/G	Wago Wago Wago Wago		1 1 1 1	99102006 99102001 99102049 99102048
XT1	=QG	280-330 280-601	FINALE PER MORSETTO 2 CONDUTTORI CAGE-CLAMP 2.5mmq MORSETTO 2 CONDUTTORI CAGE-CLAMP 2.5mmq	TERMINAL ENDING 2 WIRES CAGE-CLAMP 2.5mmq TERMINAL 2 WIRES CAGE-CLAMP 2.5mmq	Wago Wago		1 4	99102006 99102001
XT2	=QG	280-314 280-330	FINALE PER MORSETTO 4 CONDUTTORI CAGE-CLAMP 2.5mmq FINALE PER MORSETTO 2 CONDUTTORI CAGE-CLAMP 2.5mmq	TERMINAL ENDING 4 WIRES CAGE-CLAMP 2.5mmq TERMINAL ENDING 2 WIRES CAGE-CLAMP 2.5mmq	Wago Wago		1 1	99102055 99102006

05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17		<i>MH 2x450 BLDC HECU CO2</i>	<b>ECNZ2Z06000-X</b>	= +		
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI						
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO							
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI	SOST. IL :	SOST. DA :	FILE : ECNZ2Z06000-X.dwg	LISTA COMPONENTI <i>COMPONENTS LIST</i>	56007076	<b>FG. 8 11</b> <b>F.S. 9</b>

Nome/Item	Quadro/Board	Tipo/Type	Descrizione IT (Db)	Descrizione EN (Db)	Costruttore/Marke	Fg/Sh	Q.ta/Q.ty	Codice Interno (Db)
XT2	=QG	280-601	MORSETTO 2 CONDUTTORI CAGE-CLAMP 2.5mmq	TERMINAL 2 WIRES CAGE-CLAMP 2.5mmq	Wago		17	99102001
		280-633	MORSETTO 4 CONDUTTORI CAGE-CLAMP 2.5mmq	TERMINAL 4 WIRES CAGE-CLAMP 2.5mmq	Wago		1	99102051
XT3	=QG	280-314	FINALE PER MORSETTO 4 CONDUTTORI CAGE-CLAMP 2.5mmq	TERMINAL ENDING 4 WIRES CAGE-CLAMP 2.5mmq	Wago		1	99102055
		280-330	FINALE PER MORSETTO 2 CONDUTTORI CAGE-CLAMP 2.5mmq	TERMINAL ENDING 2 WIRES CAGE-CLAMP 2.5mmq	Wago		1	99102006
		280-601	MORSETTO 2 CONDUTTORI CAGE-CLAMP 2.5mmq	TERMINAL 2 WIRES CAGE-CLAMP 2.5mmq	Wago		6	99102001
		280-633	MORSETTO 4 CONDUTTORI CAGE-CLAMP 2.5mmq	TERMINAL 4 WIRES CAGE-CLAMP 2.5mmq	Wago		3	99102051
XT4	=QG	264-331	MINIMORSETTO 4 CONDUTTORI CAGE-CLAMP 2,5mmq DI TESTA	END-BLOCK MINI-TERMINAL 4 WIRES CAGE-CLAMP 2.5mmq	Wago		1	99103048
		264-351	MINIMORSETTO 4 CONDUTTORI CAGE-CLAMP 2,5mmq CENTRALE	MINI-TERMINAL 4 WIRES CAGE-CLAMP 2.5mmq	Wago		3	99102057
		284-361	FINALE PER MINIMORSETTO C/FISSAGGIO 2,5mmq	MINI TERMINAL ENDING 2 WIRES CAGE-CLAMP 2.5mmq	Wago		1	99102012

05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17		<i>MH 2x450 BLDC HECU C02</i>	<b>ECNZ2Z06000-X</b>	=		
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI				+		
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO							
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI	SOST. IL :	SOST. DA :	FILE : ECNZ2Z06000-X.dwg	LISTA COMPONENTI <i>COMPONENTS LIST</i>	56007076	<b>FG. 9 11</b> <b>F.S.10</b>



LAYOUT PIASTRA 548x240  
SCALA 1:2

LAYOUT FIANCO 149x240  
SCALA 1:2

05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO	
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI

SOST. IL :

SOST. DA :



FILE : ECNZ2Z06000-X.dwg

MH 2x450 BLDC  
HECU C02

LAYOUT INTERNO  
INTERNAL LAYOUT

ECNZ2Z06000-X

56007076

FG.10 11  
F.S.11

0 1 2 3 4 5 6 7 8 9

A

B

C

D

E

F

A

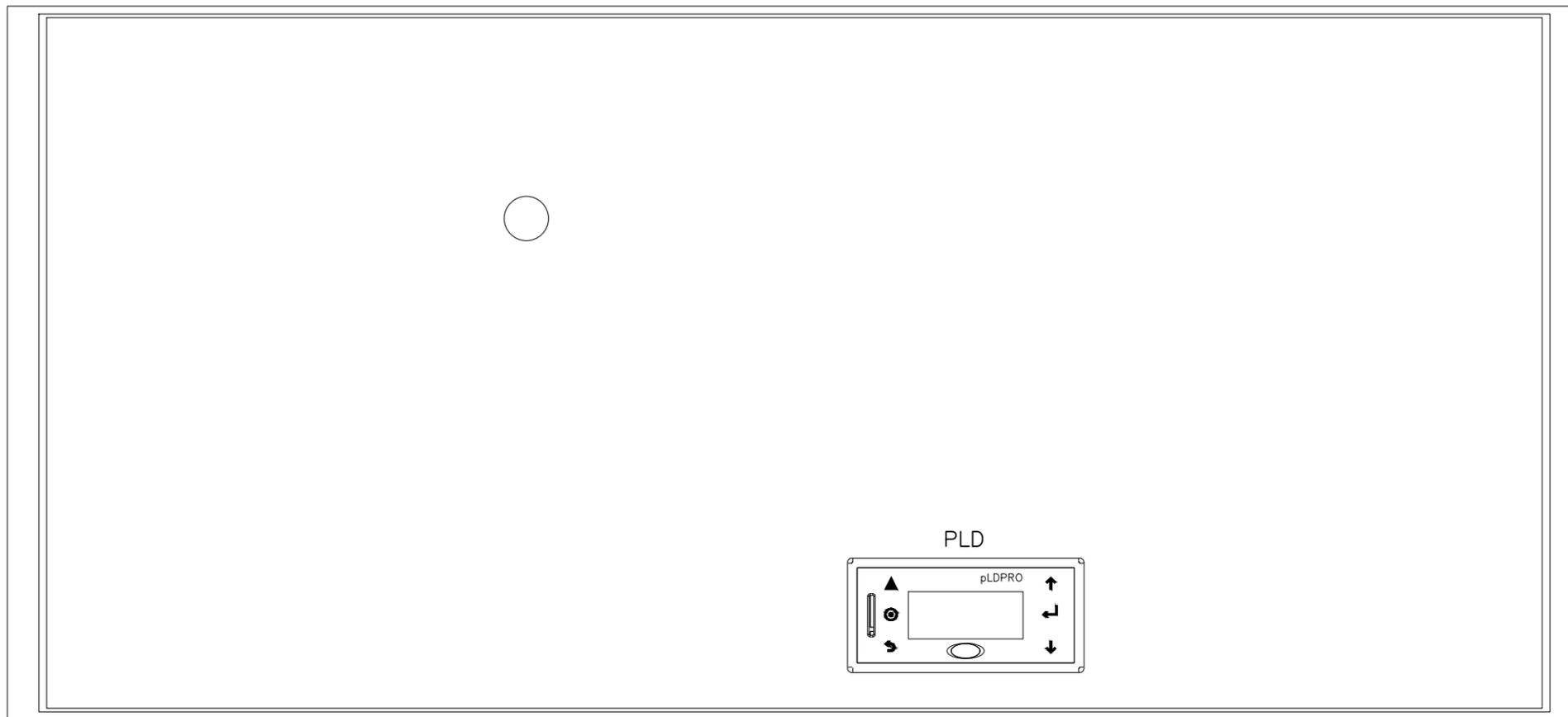
B

C

D

E

F



LAYOUT COPERCHIO 534x242  
 SCALA 1:2

05	CONTATTO VENTOLE	10/06/21	MASSI	DATA	16/03/17
04	AGG. INDICAZIONI	04/03/19	PIERSANTI	DISEGN.	DOMINICI
03	ELIMINATO RC1	26/10/18	PIERSANTI	VISTO	
REV.	MODIFICA	DATA	FIRMA	APPR.	DOMINICI

SOST. IL :

SOST. DA :



FILE : ECNZ2Z06000-X.dwg

MH 2x450 BLDC  
 HECU CO2

LAYOUT ESTERNO  
 EXTERNAL LAYOUT

ECNZ2Z06000-X

56007076

FG.11 11  
 F.S. /

0 1 2 3 4 5 6 7 8 9