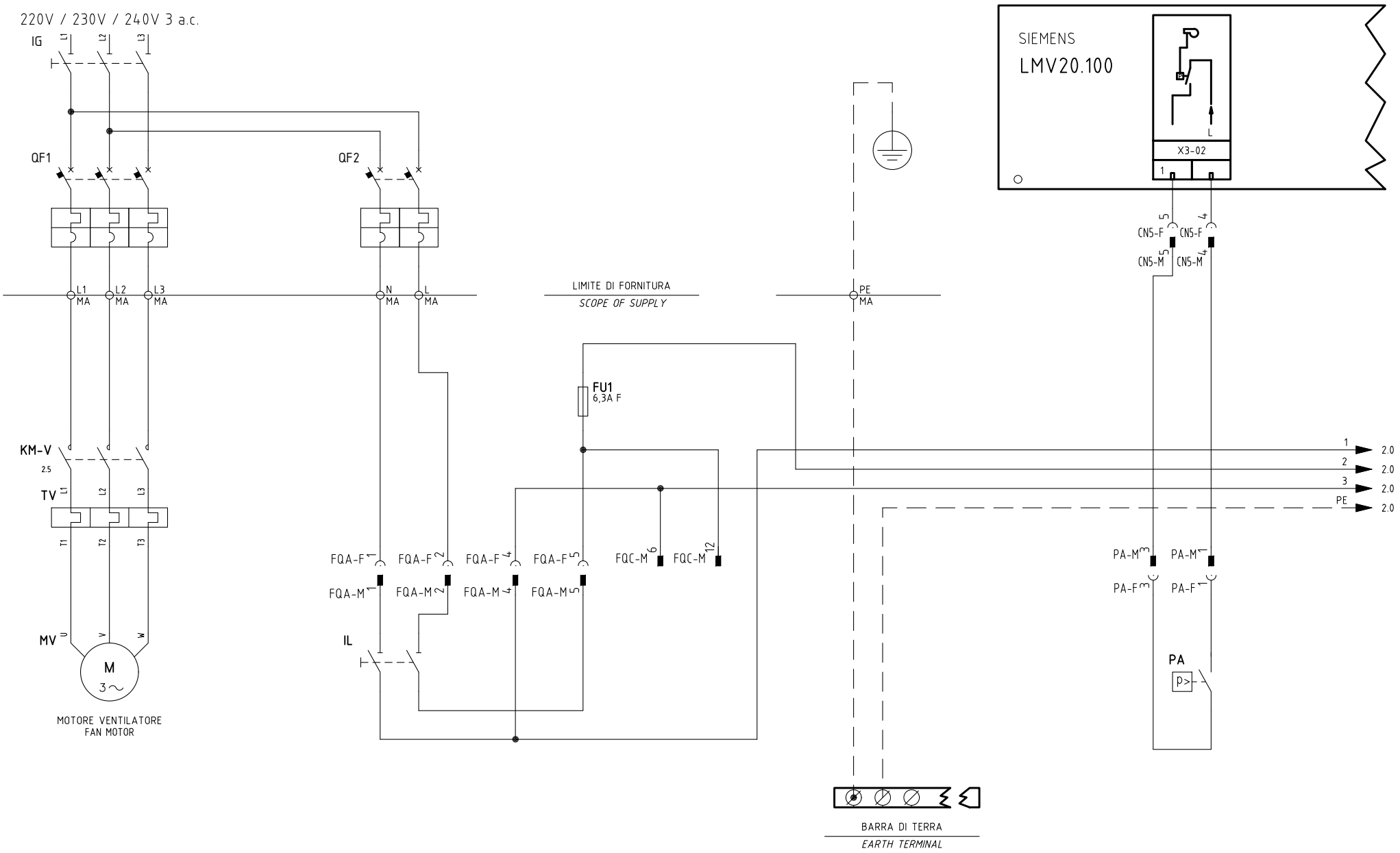


REV.	MODIFICA	DATA	FIRME
02	PRINTED CIRCUIT 6100561 MODIFIED (REV.1)	01/09/14	U. PINTON
01	MODIFIED PCB COD. 6100561	12/02/14	U. PINTON

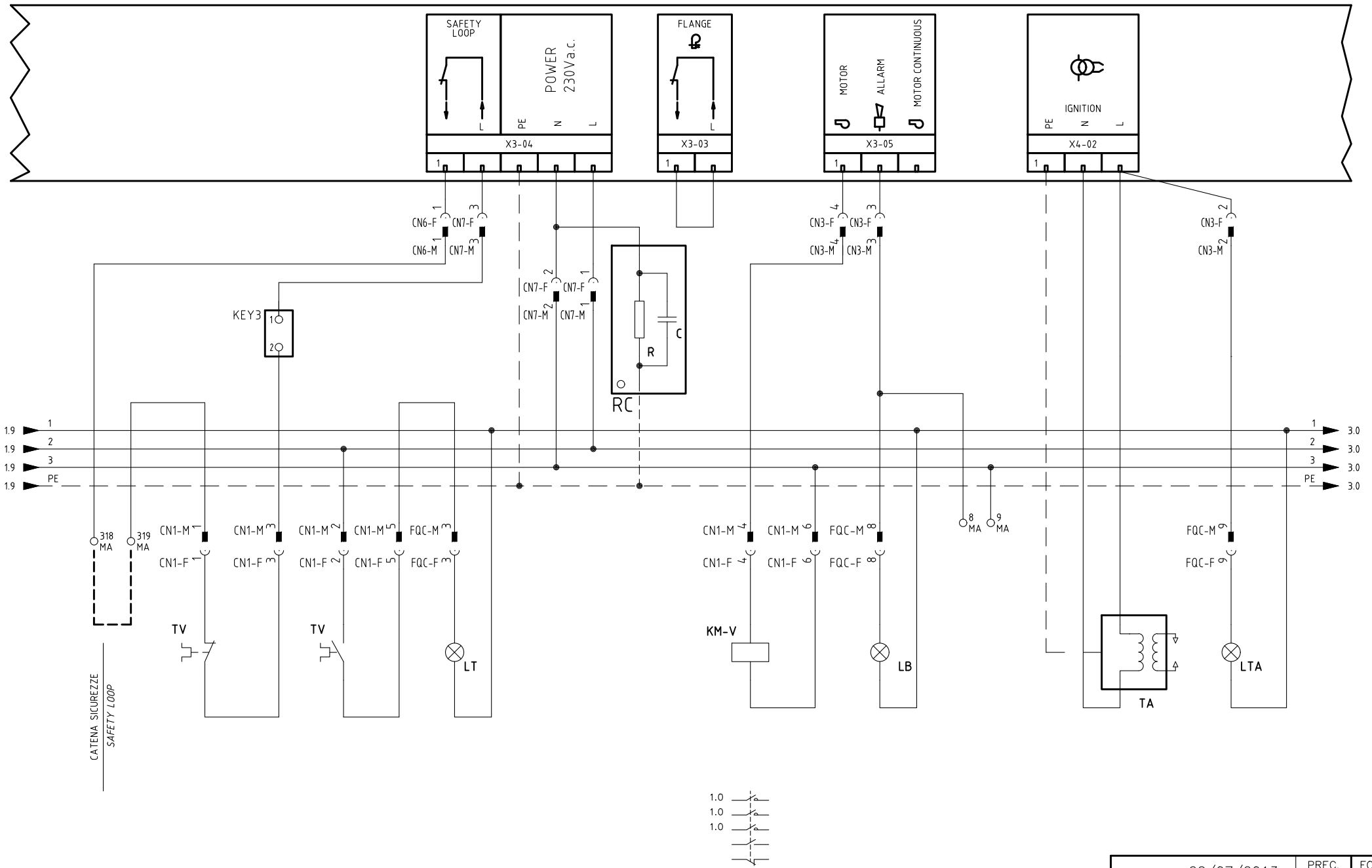
UNIGAS

PLANT
TIPI/TYPES P61/÷/P75A/LX60/÷/LX75A/R(X)63/÷/R(X)520A
MODELLO/MODEL M−−.PR(MD).x.xx.A.x.xx.EA

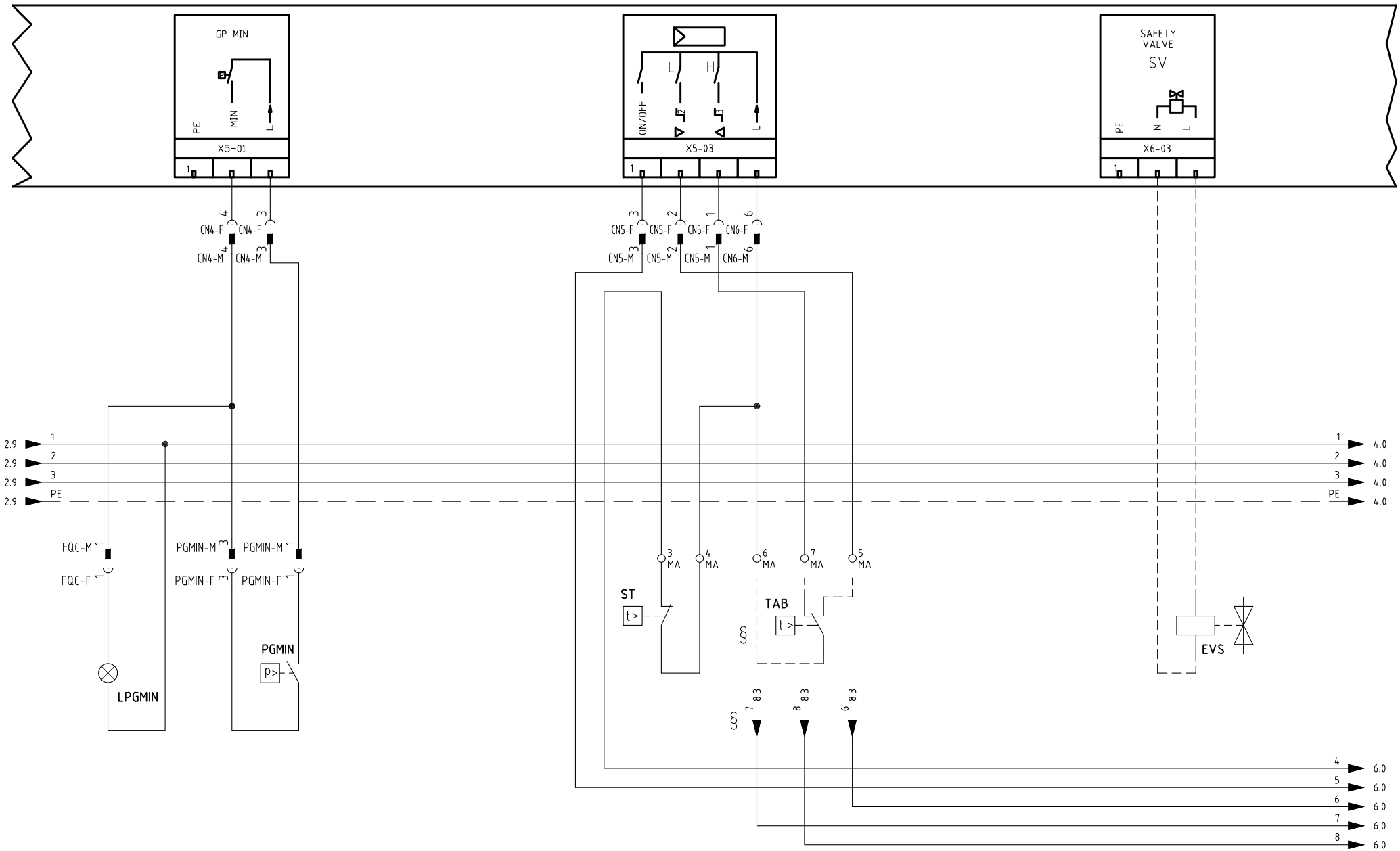
DESCRIPTION
LMV20 + COD. 6100561 CIRCUITO STAMPATO
LMV20 + COD. 6100561 PRINTED CIRCUIT

Ordine		Data	22/07/2013
Commessa	Data Controllato 01/09/2014	Revisione	02
Esecutore U. PINTON	Controllato E. CAVALLI	Dis. N.	05−1004 − A

PREC.	FOGLIO
/	1
SEGUE	TOTALE
2	11



Data 22/07/2013		PREC.	FOGLIO
Revisione 02		1	2
Dis. N. 05-1004 – A		SEGUE	TOTALE
		3	11



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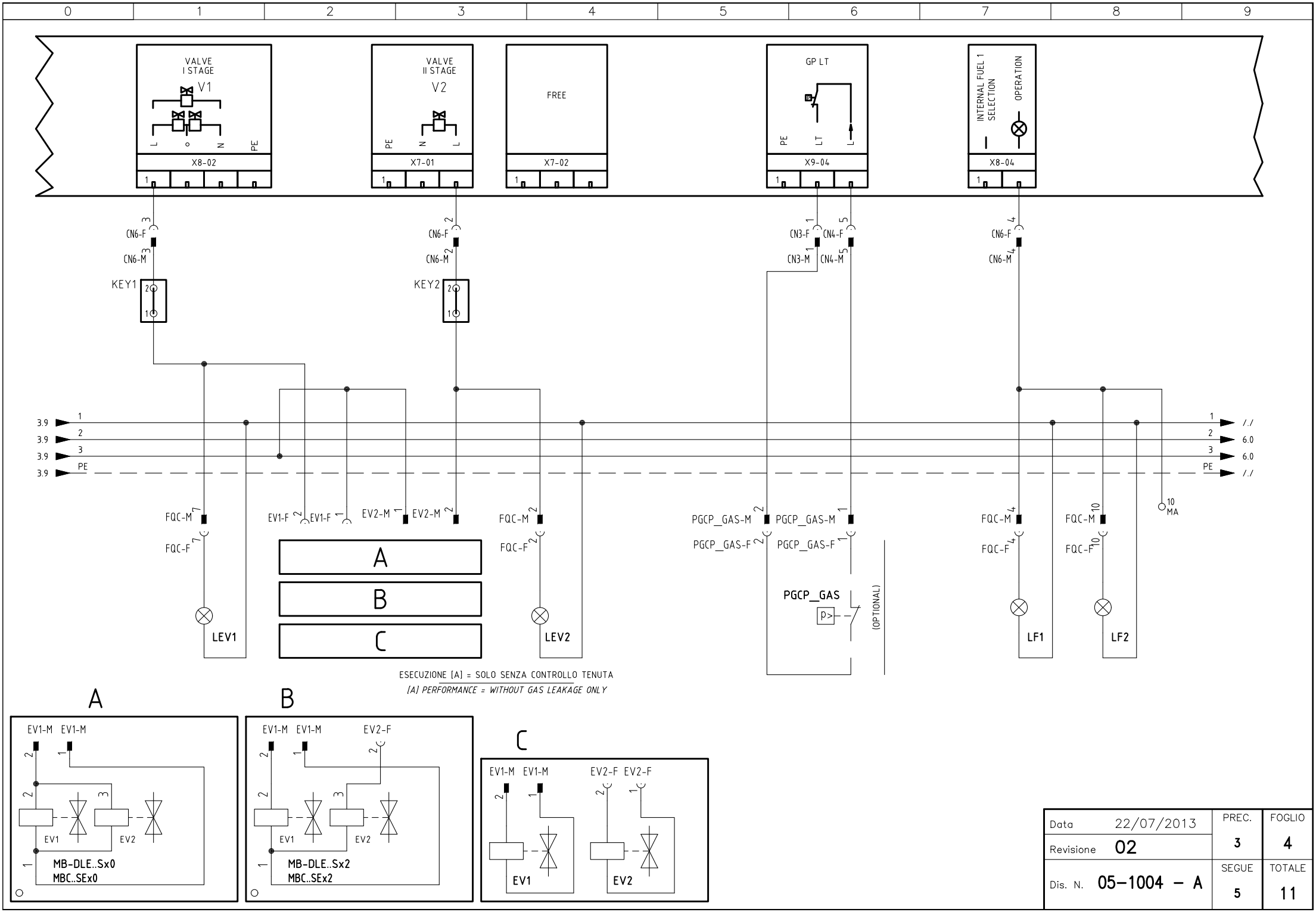
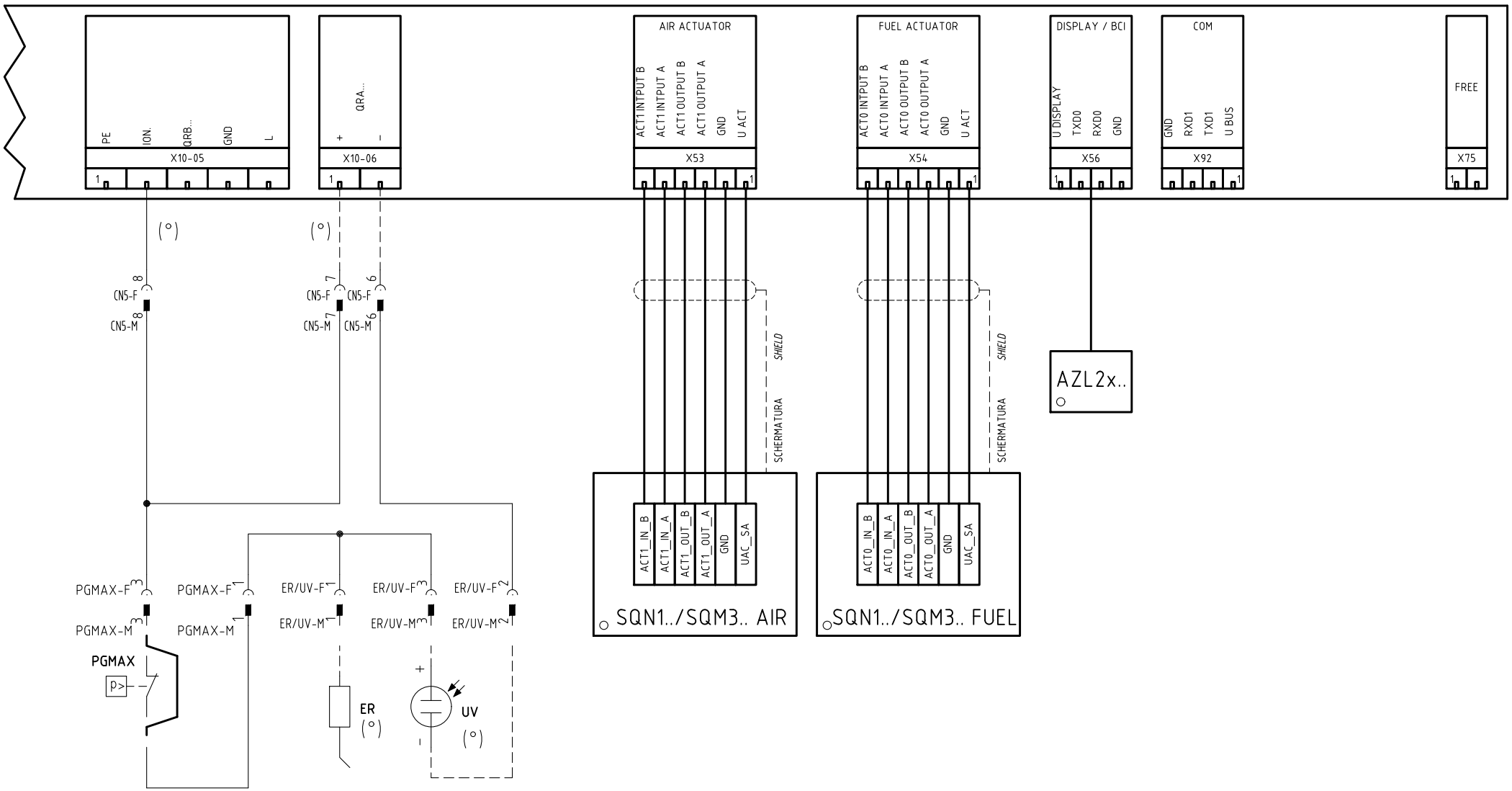
VERSIONE (PR) / VERSIONE (MD) CON RWF.. / 600V / KM3

(PR) VERSION / (MD) VERSION WITH RWF.. / 600V / KM3

Data 22/07/2013		PREC.	FOGLIO
Revisione 02		2	3
Dis. N. 05-1004 – A		SEGUE	TOTALE
		4	11



Data 22/07/2013		PREC. 3	FOGLIO 4
Revisione 02			
Dis. N. 05-1004 – A		SEGUE 5	TOTALE 11

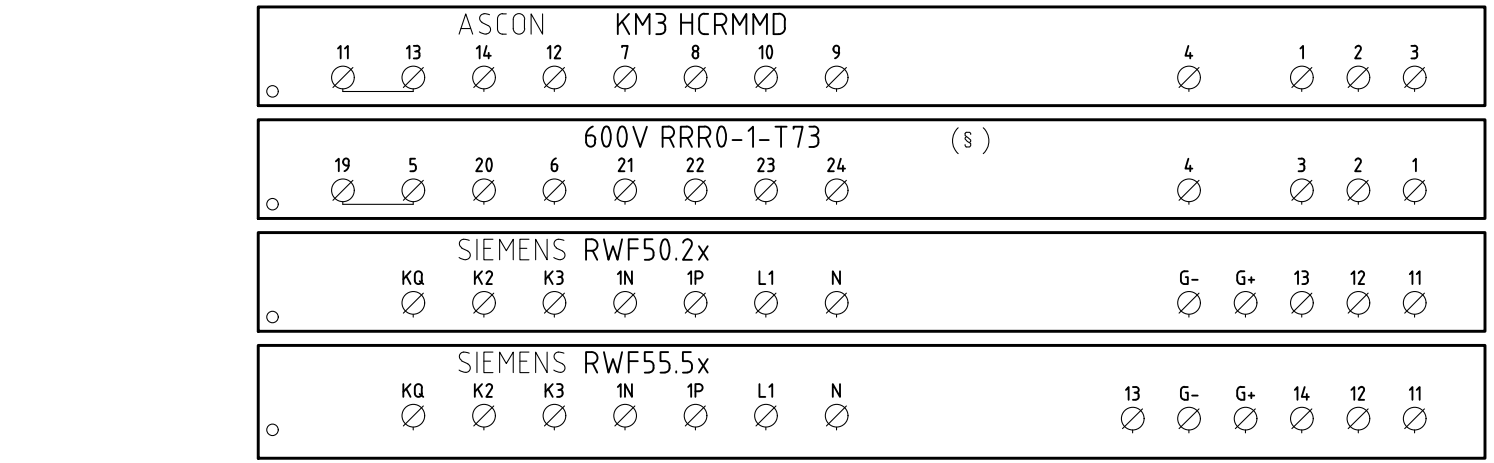


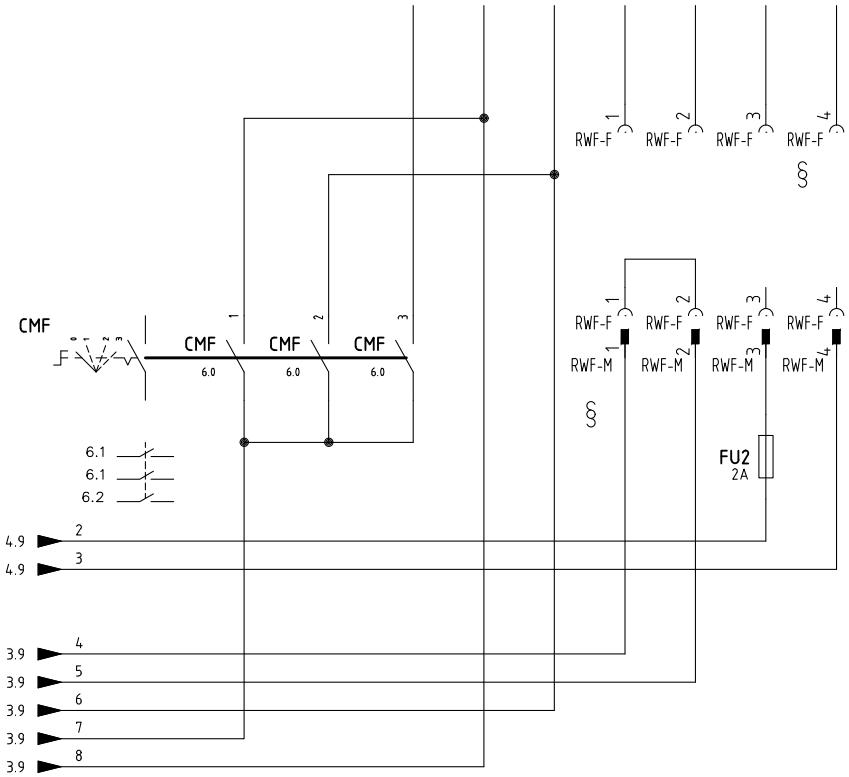
(°)

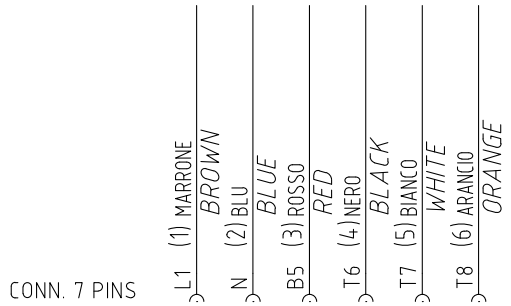
SONDA "UV" IN ALTERNATIVA A ELETTRODO "ER"

"UV" PROBE ALTERNATIVE TO "ER"

Data 22/07/2013		PREC. 4	FOGLIO 5
Revisione 02			
Dis. N. 05-1004 – A		SEGUE 6	TOTALE 11







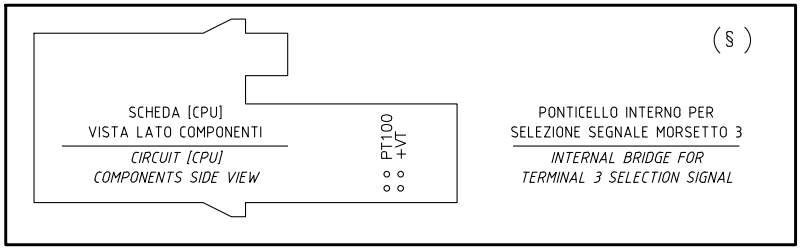
CAVO 7x0,75mmq

7x0,75mmq CABLE

(××)

ATTENZIONE COLLEGAMENTO SONDE CON CONNETTORE 7 POLI

WARNING PROBE CONNECTION WITH 7 PINS CONNECTOR



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VERSIONE (PR) / VERSIONE (MD) CON RWF.. / 600V / KM3

(PR) VERSION / (MD) VERSION WITH RWF.. / 600V / KM3

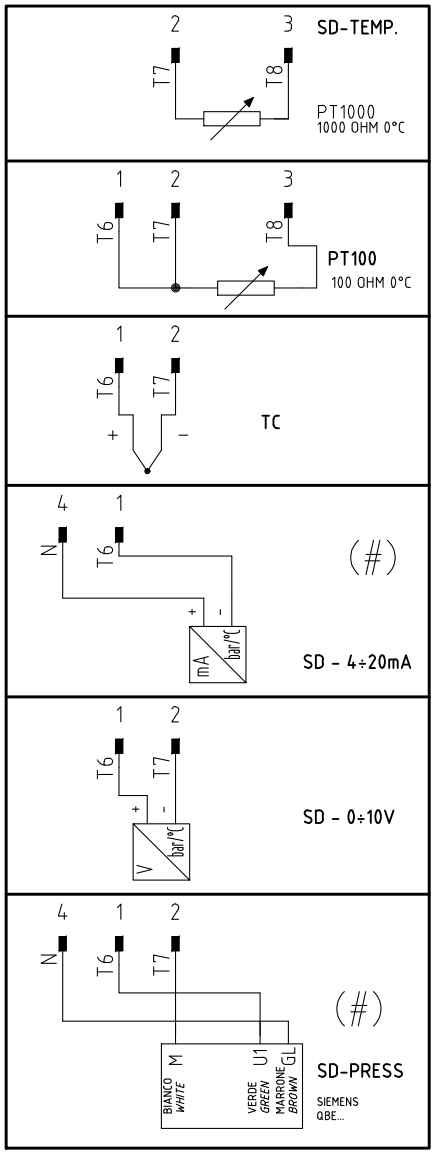
Data 22/07/2013		PREC. 5	FOGLIO 6
Revisione 02			
Dis. N. 05-1004 – A		SEGUE 7	TOTALE 11

(××)

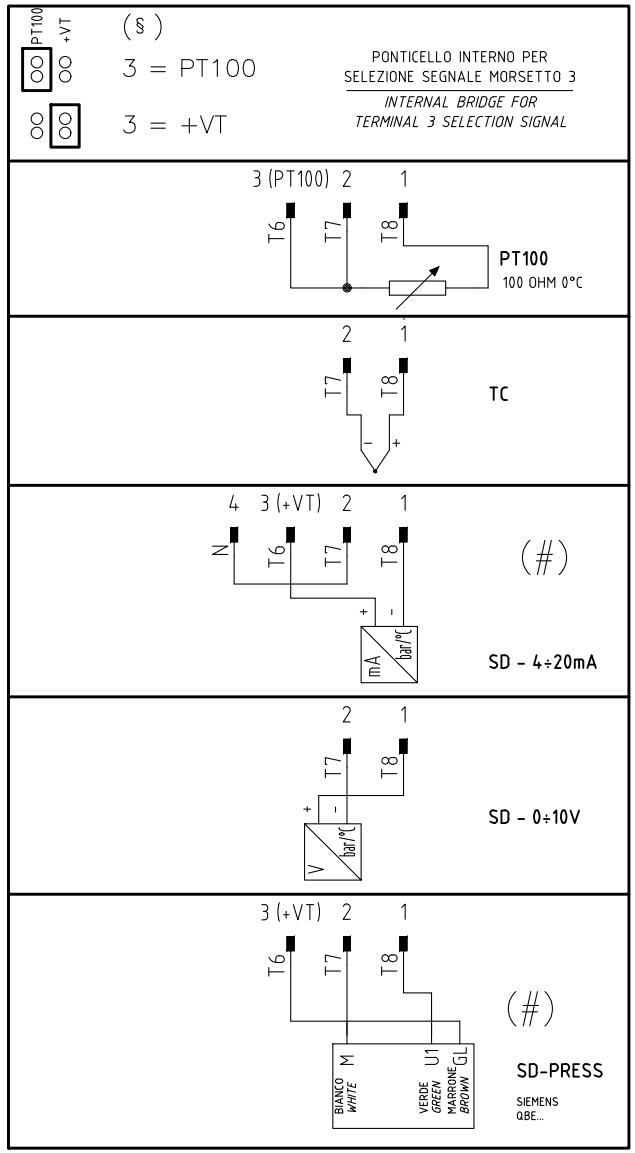
ATTENZIONE COLLEGAMENTO SONDE CON CONNETTORE 7 POLI

WARNING PROBE CONNECTION WITH 7 PINS CONNECTOR

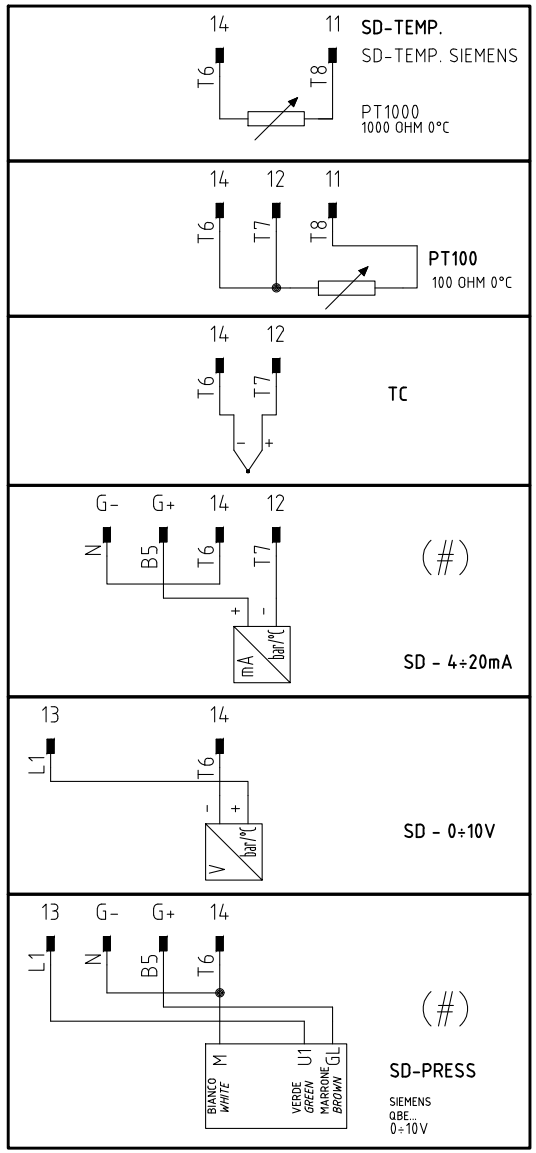
KM3 HCRMMD



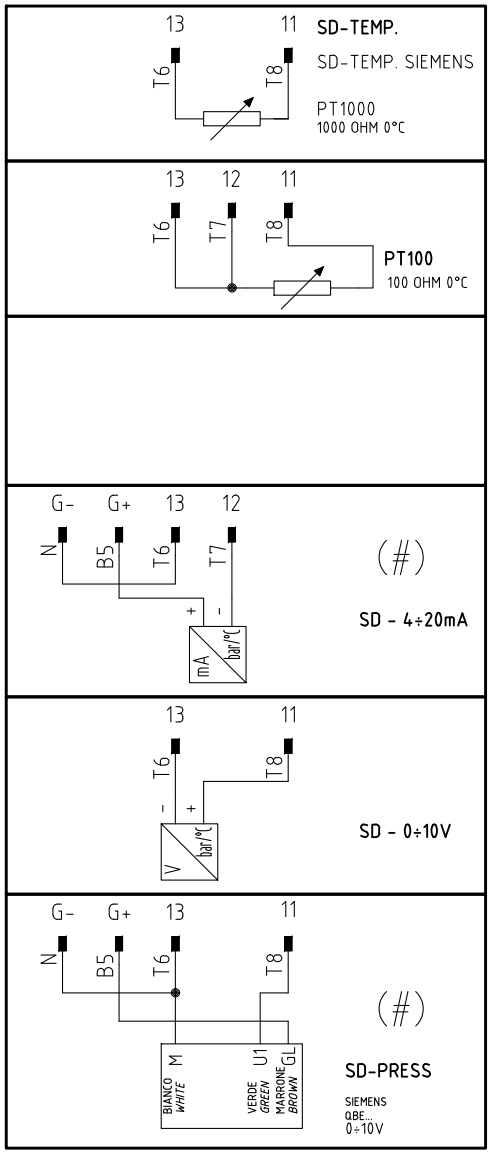
600V RRR0-1-T73



RWF55.5x



RWF50.2x

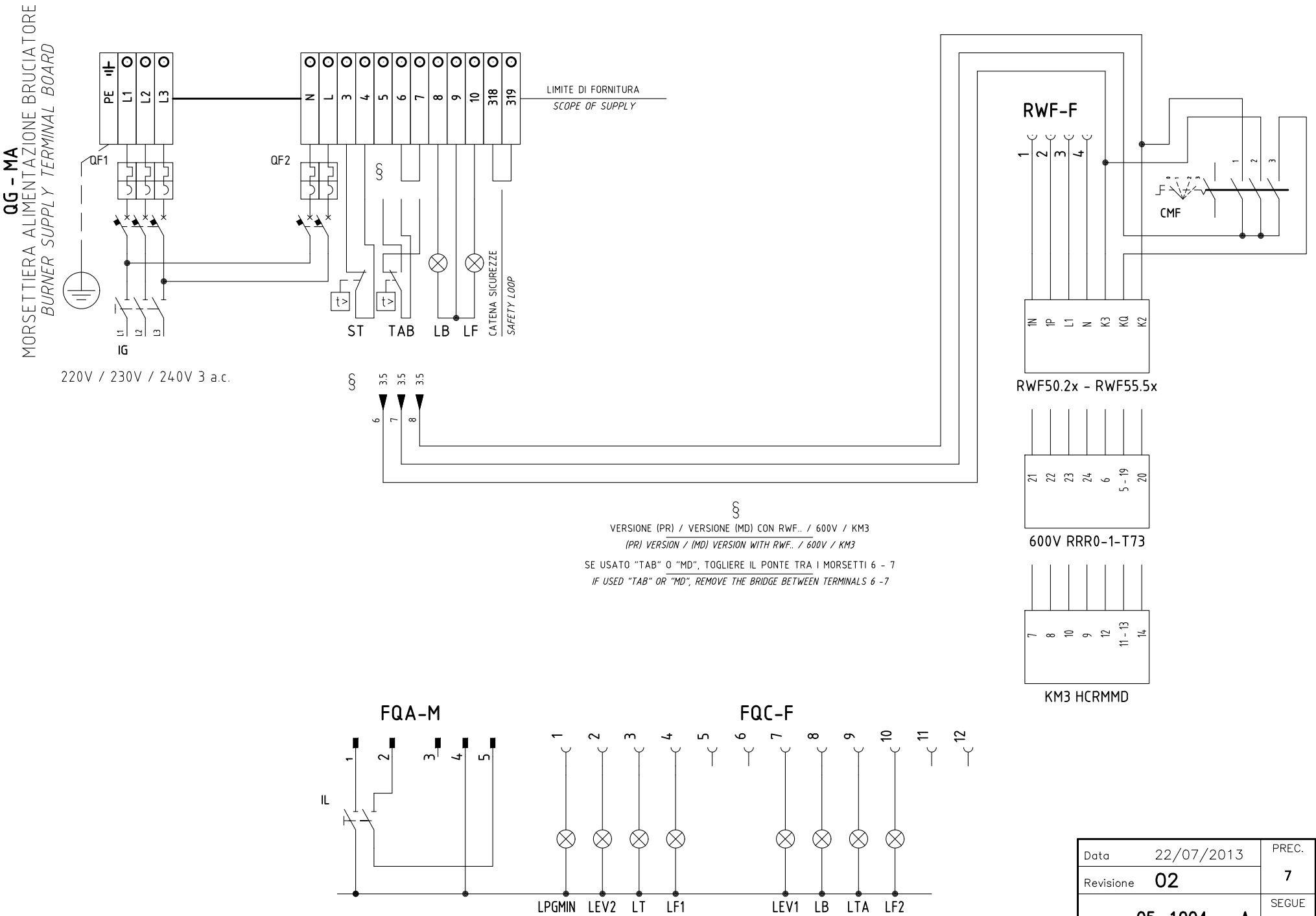


(#)

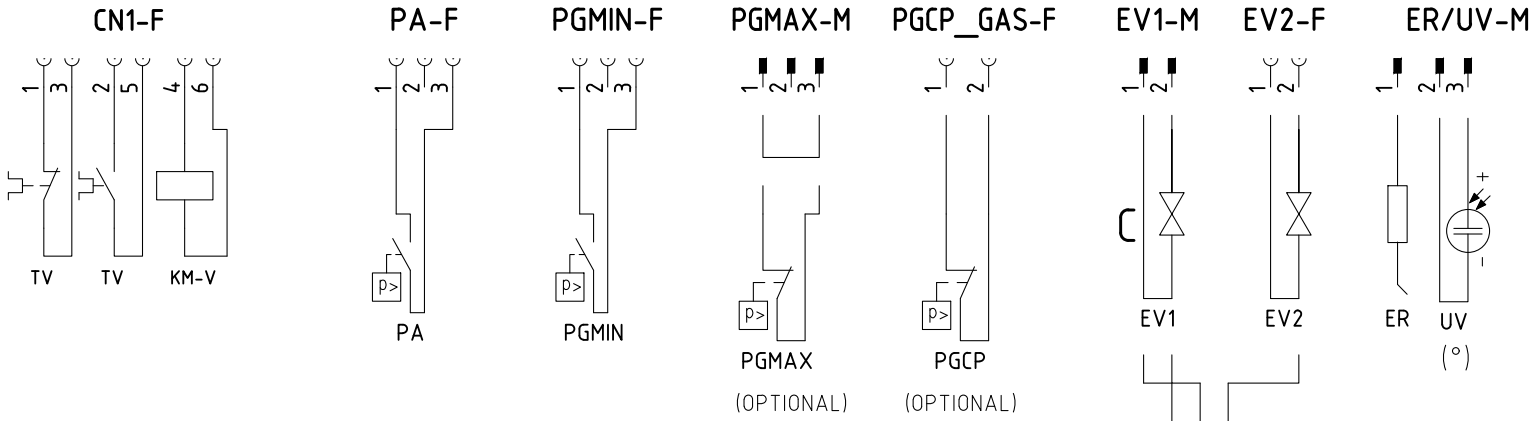
COLLEGAMENTO SOLO PER
TRASDUTTORI PASSIVI

TRASDUCER PASSIVE
CONNECTION ONLY

Data 22/07/2013		PREC.	FOGLIO
Revisione 02		6	7
Dis. N. 05–1004 – A		SEGUE	TOTALE
		8	11



Data 22/07/2013		PREC. 7	FOGLIO 8
Revisione 02			
Dis. N. 05–1004 – A		SEGUE 9	TOTALE 11



Data 22/07/2013		PREC. 8	FOGLIO 9
Revisione 02			
Dis. N. 05–1004 – A		SEGUE 10	TOTALE 11

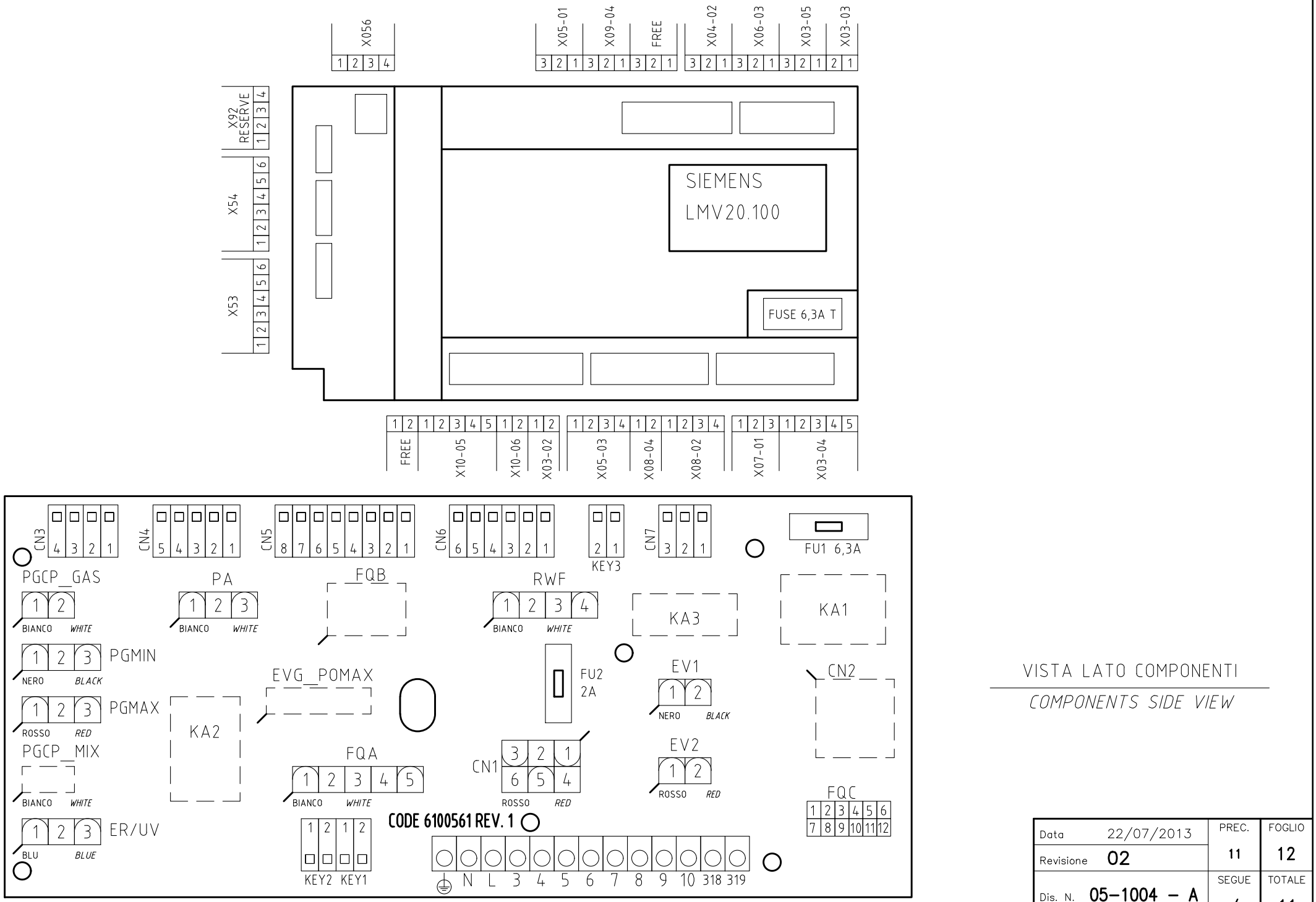
0	1	2	3	4	5	6	7	8	9

Sigla/Item	Foglio/Sheet	Funzione	Function
600V RRR0-1-T73	6	REGOLATORE MODULANTE (ALTERNATIVO)	BURNER MODULATOR (ALTERNATIVE)
AZL2x..	5	INTERFACCIA UTENTE	USER INTERFACE
C	2	CONDENSATORE	CAPACITOR
CMF	6	COMMUT. MANUALE FUNZ. 0)FERMO 1)ALTA FIAMMA 2)BASSA FIAMMA 3)AUTOMATICO	MANUAL SWITCH 0)OFF 1)HIGH FLAME 2)LOW FLAME 3)AUTOMATIC
ER	5	ELETTRODO RILEVAZIONE FIAMMA	FLAME DETECTION ELECTRODE
EV1	4	ELETTROVALVOLA GAS LATO RETE	UPSTREAM GAS SOLENOID VALVE
EV2	4	ELETTROVALVOLA GAS LATO BRUCIATORE	DOWNSTREAM GAS SOLENOID VALVE
EVS	3	ELETTROVALVOLA GAS DI SICUREZZA (OPTIONAL)	SAFETY GAS SOLENOID VALVE (OPTIONAL)
FU1	1	FUSIBILE AUSILIARIO	AUXILIARY FUSE
FU2	6	FUSIBILE	FUSE
IG	1	INTERRUTTORE GENERALE	MAINS SWITCH
IL	1	INTERRUTTORE LINEA AUSILIARI	AUXILIARY LINE SWITCH
KM3 HCRMMD	6	REGOLATORE MODULANTE (ALTERNATIVO)	BURNER MODULATOR (ALTERNATIVE)
KM-V	2	CONTATTORE MOTORE VENTILATORE	FAN MOTOR CONTACTOR
LB	2	LAMPADA SEGNALAZIONE BLOCCO BRUCIATORE	INDICATOR LIGHT FOR BURNER LOCK-OUT
LEV1	4	LAMPADA SEGNALAZIONE APERTURA [EV1]	INDICATOR LIGHT FOR OPENING OF ELECTRO-VALVE [EV1]
LEV2	4	LAMPADA SEGNALAZIONE APERTURA [EV2]	INDICATOR LIGHT FOR OPENING OF ELECTRO-VALVE [EV2]
LF1	4	LAMPADA SEGNALAZIONE FUNZIONAMENTO BRUCIATORE	INDICATOR LIGHT BURNER OPERATION
LF2	4	LAMPADA SEGNALAZIONE FUNZIONAMENTO BRUCIATORE	INDICATOR LIGHT BURNER OPERATION
LMV20.100	1	APPARECCHIATURA DI COMANDO	CONTROL SCHEME
LPGMIN	3	LAMPADA SEGNALAZIONE PRESENZA GAS IN RETE	INDICATOR LIGHT FOR PRESENCE OF GAS IN THE NETWORK
LT	2	LAMPADA SEGNALAZIONE BLOCCO TERMICO MOTORE VENTILATORE	INDICATOR LIGHT FOR FAN MOTOR OVERLOAD THERMAL CUTOUT
LT	1	LAMPADA SEGNALAZIONE BLOCCO TERMICO MOTORE VENTILATORE	INDICATOR LIGHT FOR FAN MOTOR OVERLOAD THERMAL CUTOUT
LTA	2	LAMPADA SEGNALAZIONE TRASFORMATORE DI ACCENSIONE	IGNITION TRANSFORMER INDICATOR LIGHT
MB-DLE..Sx0	4	GRUPPO VALVOLE GAS	GAS VALVES GROUP
MB-DLE..Sx2	4	GRUPPO VALVOLE GAS	GAS VALVES GROUP
MBC..SEx0	4	GRUPPO VALVOLE GAS (ALTERNATIVO)	GAS VALVES GROUP (ALTERNATIVE)
MBC..SEx2	4	GRUPPO VALVOLE GAS (ALTERNATIVO)	GAS VALVES GROUP (ALTERNATIVE)
MV	1	MOTORE VENTILATORE	FAN MOTOR
PA	1	PRESSOSTATO ARIA	AIR PRESSURE SWITCH
PGCP__GAS	4	PRESSOSTATO GAS CONTROLLO PERDITE (OPTIONAL)	GAS LEAKAGE PRESSURE SWITCH (OPTIONAL)
PGMAX	5	PRESSOSTATO GAS DI MASSIMA PRESSIONE (OPTIONAL)	MAXIMUM PRESSURE GAS SWITCH (OPTIONAL)

0	1	2	3	4	5	6	7	8	9

Sigla/Item	Foglio/Sheet	Funzione	Function
PGMIN	3	PRESSOSTATO GAS DI MINIMA PRESSIONE	MINIMUM GAS PRESSURE SWITCH
PT100	7	SONDA DI TEMPERATURA	TEMPERATURE PROBE
QF1	1	MAGNETOTERMICO PROTEZIONE ALIMENTAZIONE TRIFASE	THREE-PHASE POWER CIRCUIT BREAKER PROTECTION
QF2	1	MAGNETOTERMICO PROTEZIONE LINEA AUSILIARI	AUXILIARY SUPPLY CIRCUIT BREAKER PROTECTION
R	2	RESISTENZA	RESISTOR
RC	2	CIRCUITO RC SIEMENS	SIEMENS RC CIRCUIT
RWF50.2x	6	REGOLATORE MODULANTE	BURNER MODULATOR
RWF55.5x	6	REGOLATORE MODULANTE (ALTERNATIVO)	BURNER MODULATOR (ALTERNATIVE)
SD-PRESS	7	SONDA DI PRESSIONE	PRESSURE PROBE
SD-TEMP.	7	SONDA DI TEMPERATURA	TEMPERATURE PROBE
SD - 0÷10V	7	TRASDUTTORE USCITA IN TENSIONE	TRANSDUCER VOLTAGE OUTPUT
SD - 4÷20mA	7	TRASDUTTORE USCITA IN CORRENTE	TRANSDUCER CURRENT OUTPUT
SQN1../SQM3.. AIR	5	SERVOCOMANDO SERRANDA ARIA	AIR DAMPER ACTUATOR
SQN1../SQM3.. FUEL	5	SERVOCOMANDO COMBUSTIBILE	FUEL ACTUATOR
ST	3	SERIE TERMOSTATI/PRESSOSTATI	SERIES OF THERMOSTATS OR PRESSURE SWITCHES
TA	2	TRASFORMATORE DI ACCENSIONE	IGNITION TRANSFORMER
TAB	3	TERMOSTATO/PRESSOSTATO ALTA-BASSA FIAMMA	HIGH-LOW THERMOSTAT/PRESSURE SWITCHES
TC	7	TERMOCOPPIA	THERMOCOUPLE
TV	1	TERMICO MOTORE VENTILATORE	FAN MOTOR THERMAL
UV	5	SONDA UV RILEVAZIONE FIAMMA	UV FLAME DETECTOR

Data 22/07/2013		PREC.	FOGLIO
Revisione 02		10	11
Dis. N. 05-1004 - A		SEGUE	TOTALE
		12	11



VISTA LATO COMPONENTI

COMPONENTS SIDE VIEW

Data 22/07/2013		PREC.	FOGLIO
Revisione 02		11	12
Dis. N. 05–1004 – A		SEGUE /	TOTALE 11