

0 1 2 3 4 5 6 7 8 9

Electrical Specification - Specifiche Elettriche

Model - Modello

CUBO PACKS MULTI - Copeland Digital Scroll MT

Copeland Scroll MT
3 Compr : 1 Digital + 2 ZB
XC645CX -0C11F-
Condenser Fans 2 x ϕ 630 1Ph

A

A

B

B

C

C

D

D

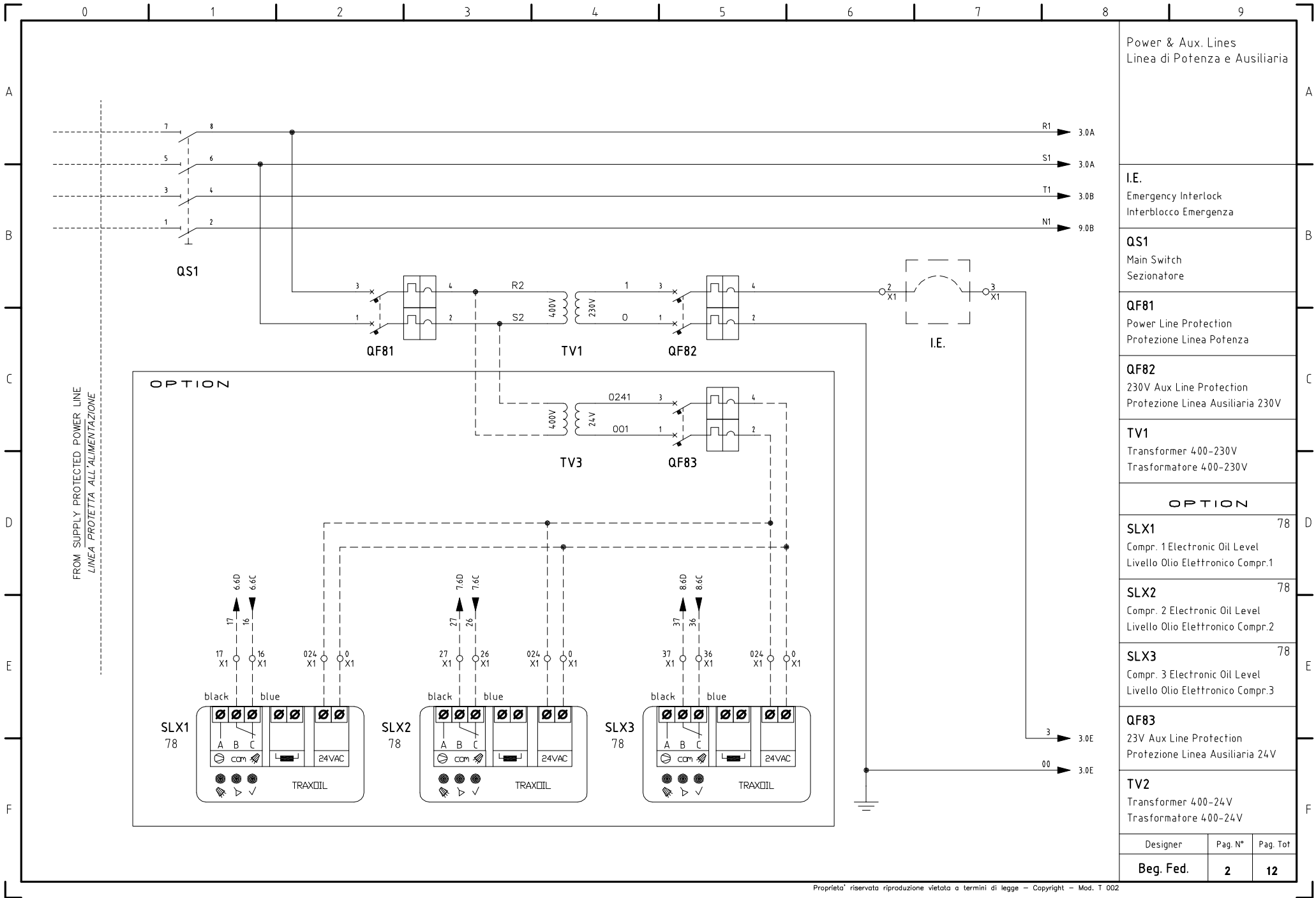
E

E

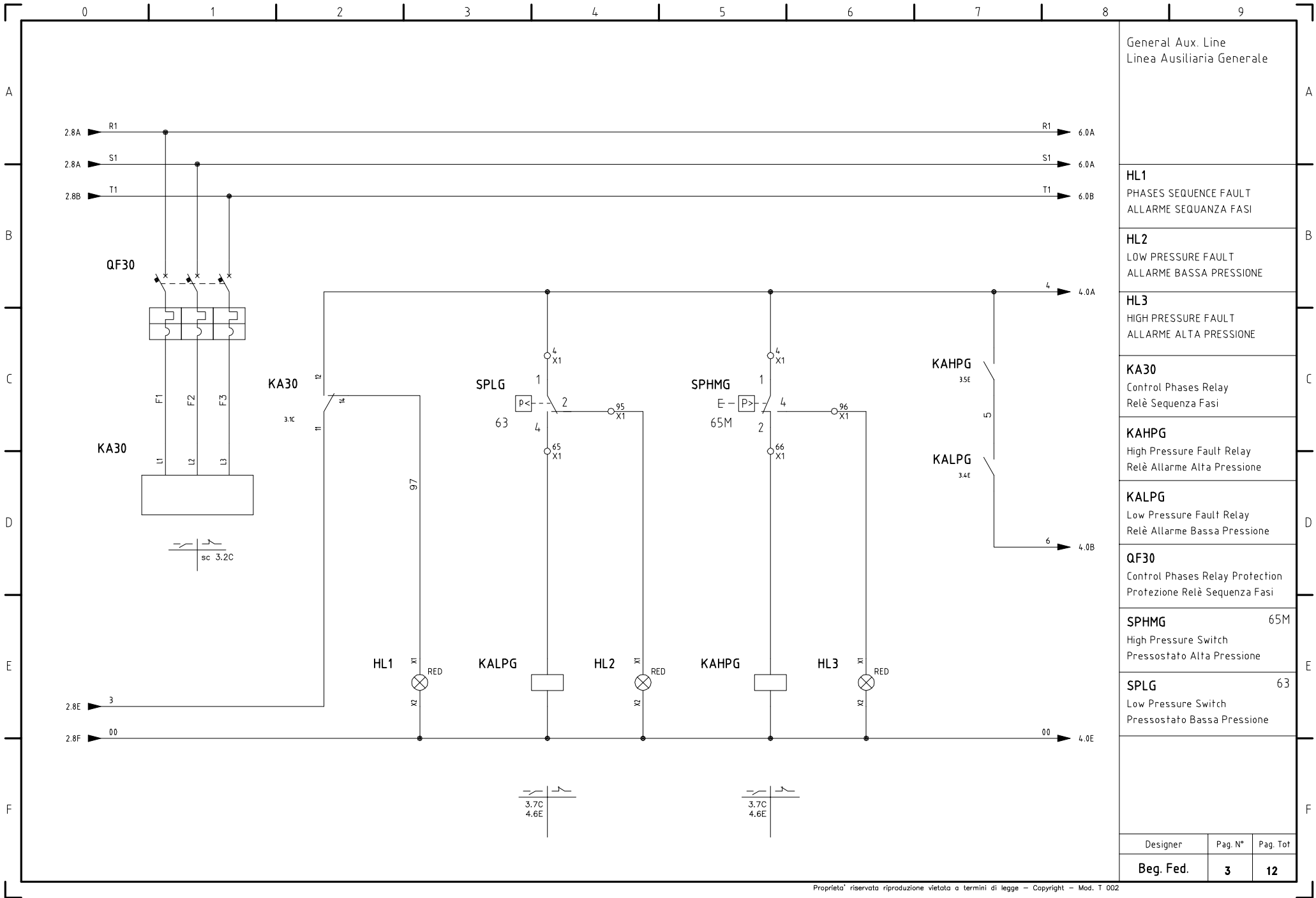
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F

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General Aux. Line
Linea Ausiliaria Generale

HL1
PHASES SEQUENCE FAULT
ALLARME SEQUANZA FASI

HL2
LOW PRESSURE FAULT
ALLARME BASSA PRESSIONE

HL3
HIGH PRESSURE FAULT
ALLARME ALTA PRESSIONE

KA30
Control Phases Relay
Relè Sequenza Fasi

KAHPG
High Pressure Fault Relay
Relè Allarme Alta Pressione

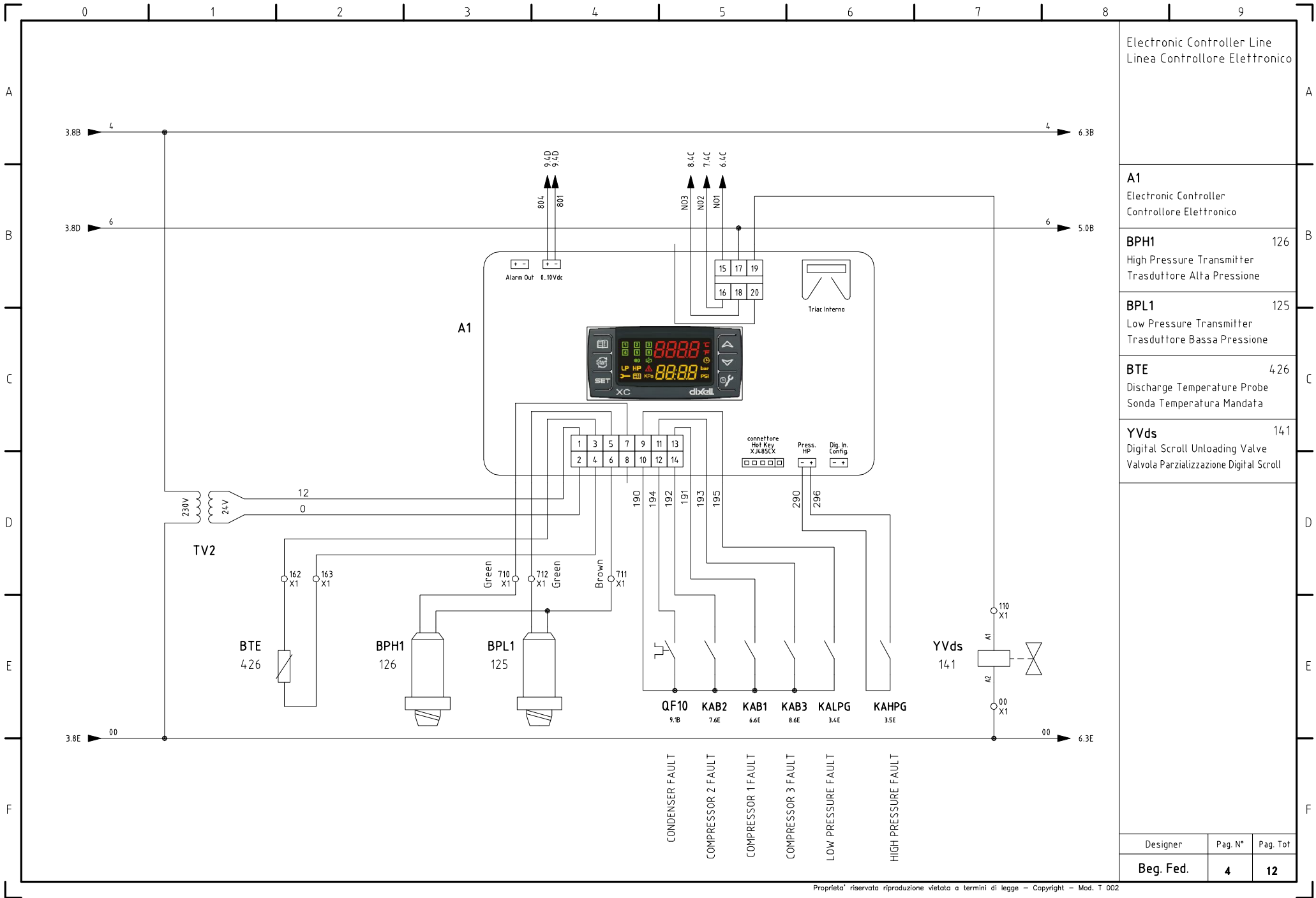
KALPG
Low Pressure Fault Relay
Relè Allarme Bassa Pressione

QF30
Control Phases Relay Protection
Protezione Relè Sequenza Fasi

SPHMG 65M
High Pressure Switch
Pressostato Alta Pressione

SPLG 63
Low Pressure Switch
Pressostato Bassa Pressione

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Electronic Controller Line
Linea Controllore Elettronico

A1
Electronic Controller
Controllore Elettronico

BPH1 126
High Pressure Transmitter
Trasduttore Alta Pressione

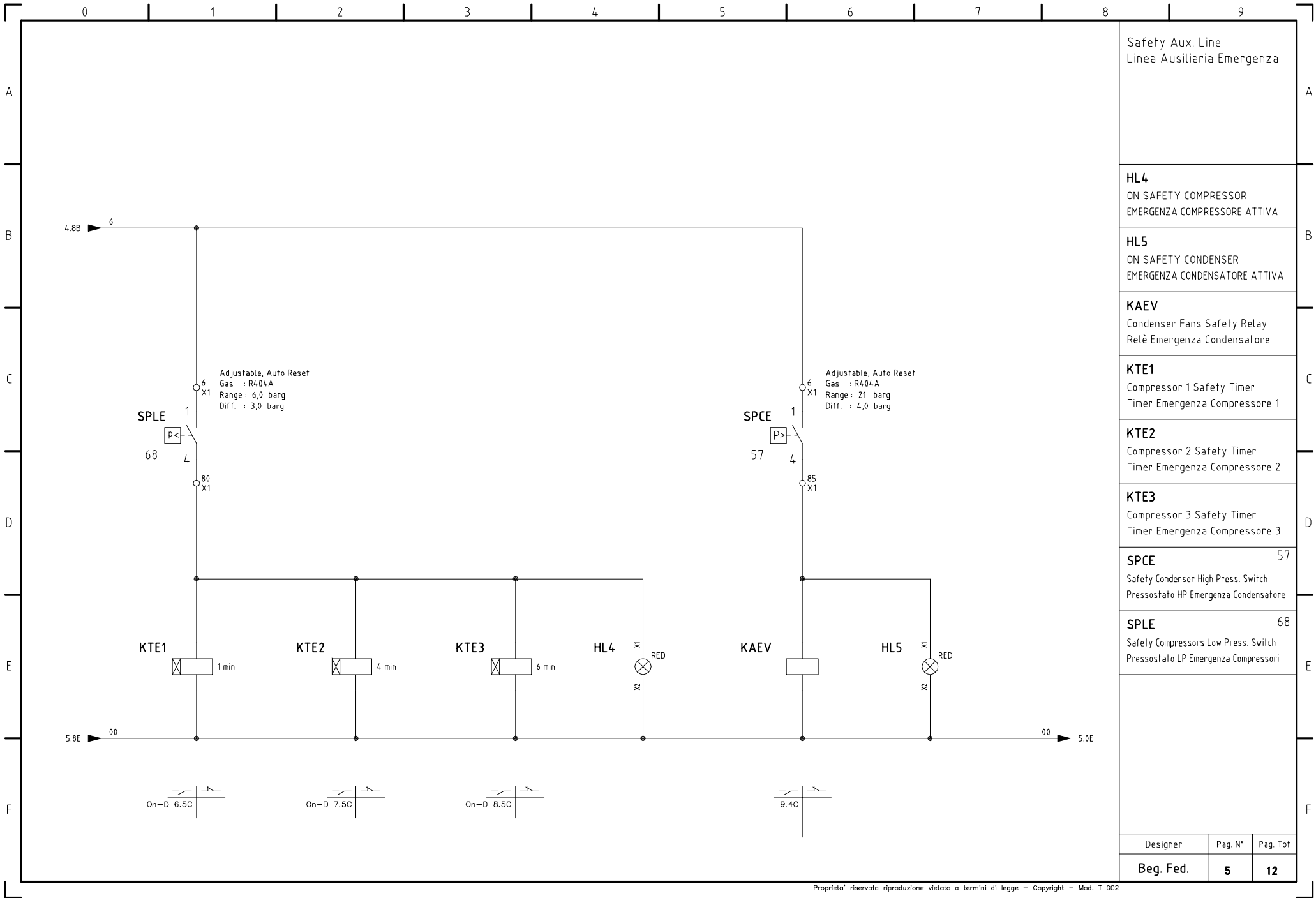
BPL1 125
Low Pressure Transmitter
Trasduttore Bassa Pressione

BTE 426
Discharge Temperature Probe
Sonda Temperatura Mandata

YVds 141
Digital Scroll Unloading Valve
Valvola Parzializzazione Digital Scroll

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Safety Aux. Line
Linea Ausiliaria Emergenza

HL4
ON SAFETY COMPRESSOR
EMERGENZA COMPRESSORE ATTIVA

HL5
ON SAFETY CONDENSER
EMERGENZA CONDENSATORE ATTIVA

KAEV
Condenser Fans Safety Relay
Relè Emergenza Condensatore

KTE1
Compressor 1 Safety Timer
Timer Emergenza Compressore 1

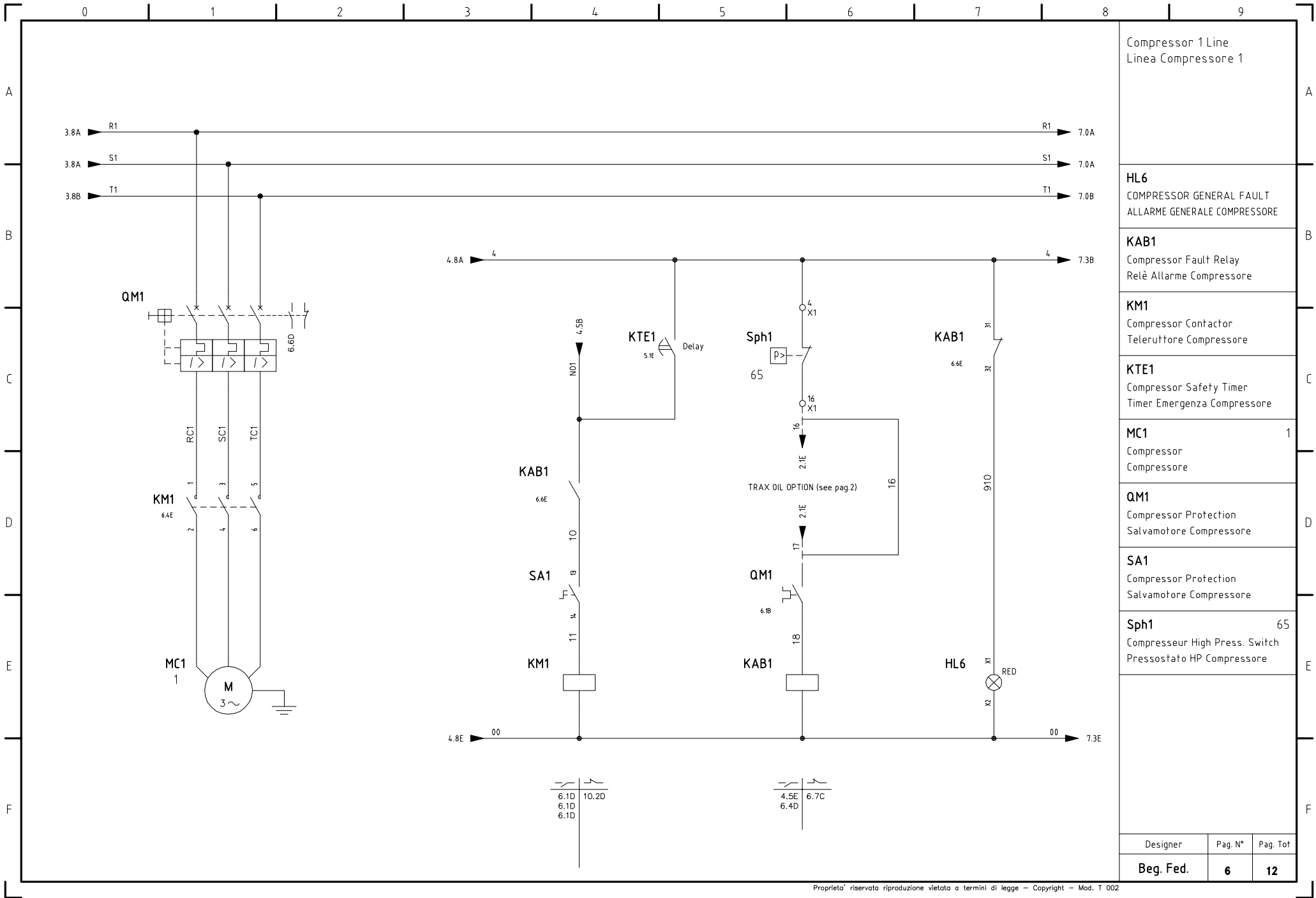
KTE2
Compressor 2 Safety Timer
Timer Emergenza Compressore 2

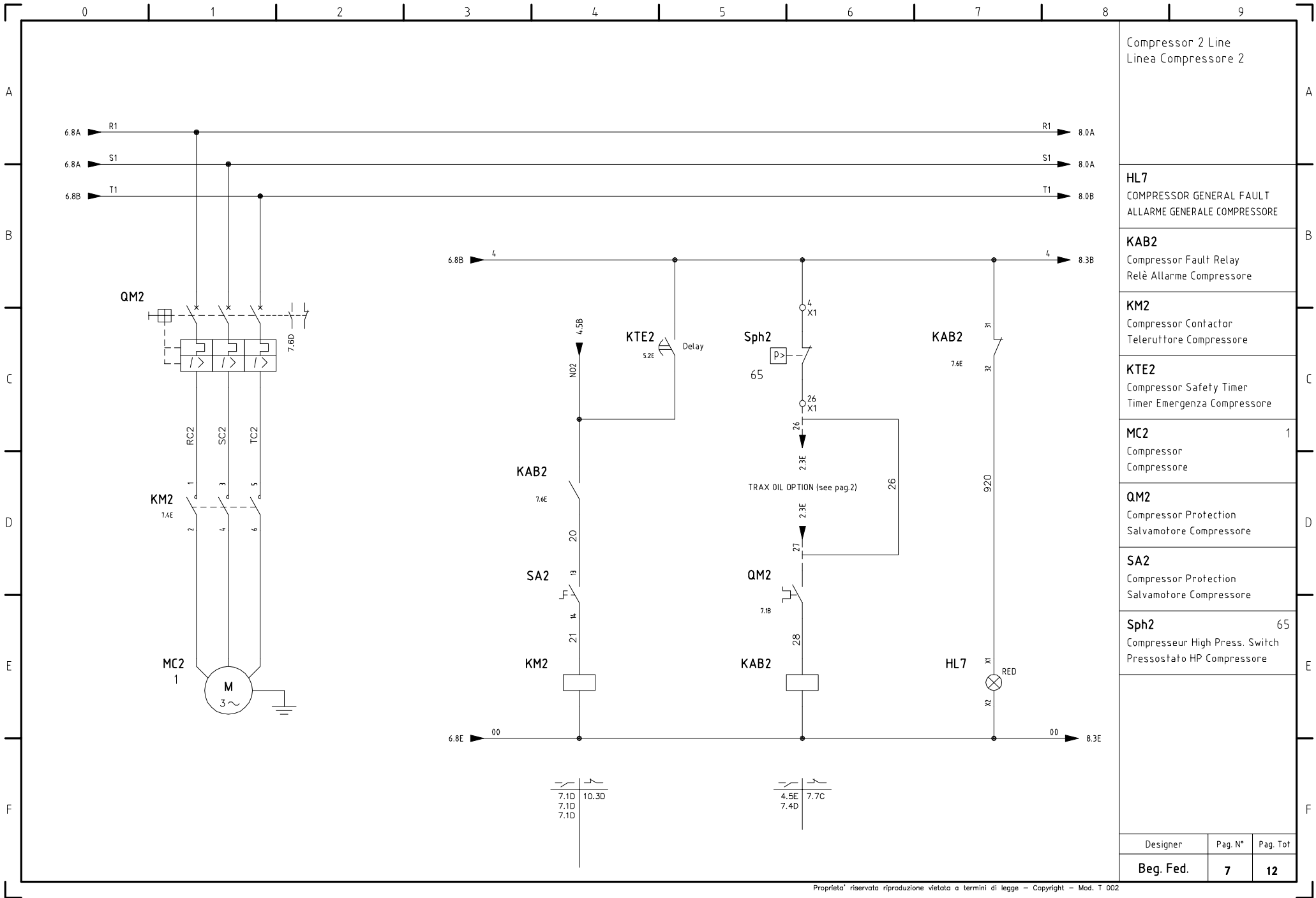
KTE3
Compressor 3 Safety Timer
Timer Emergenza Compressore 3

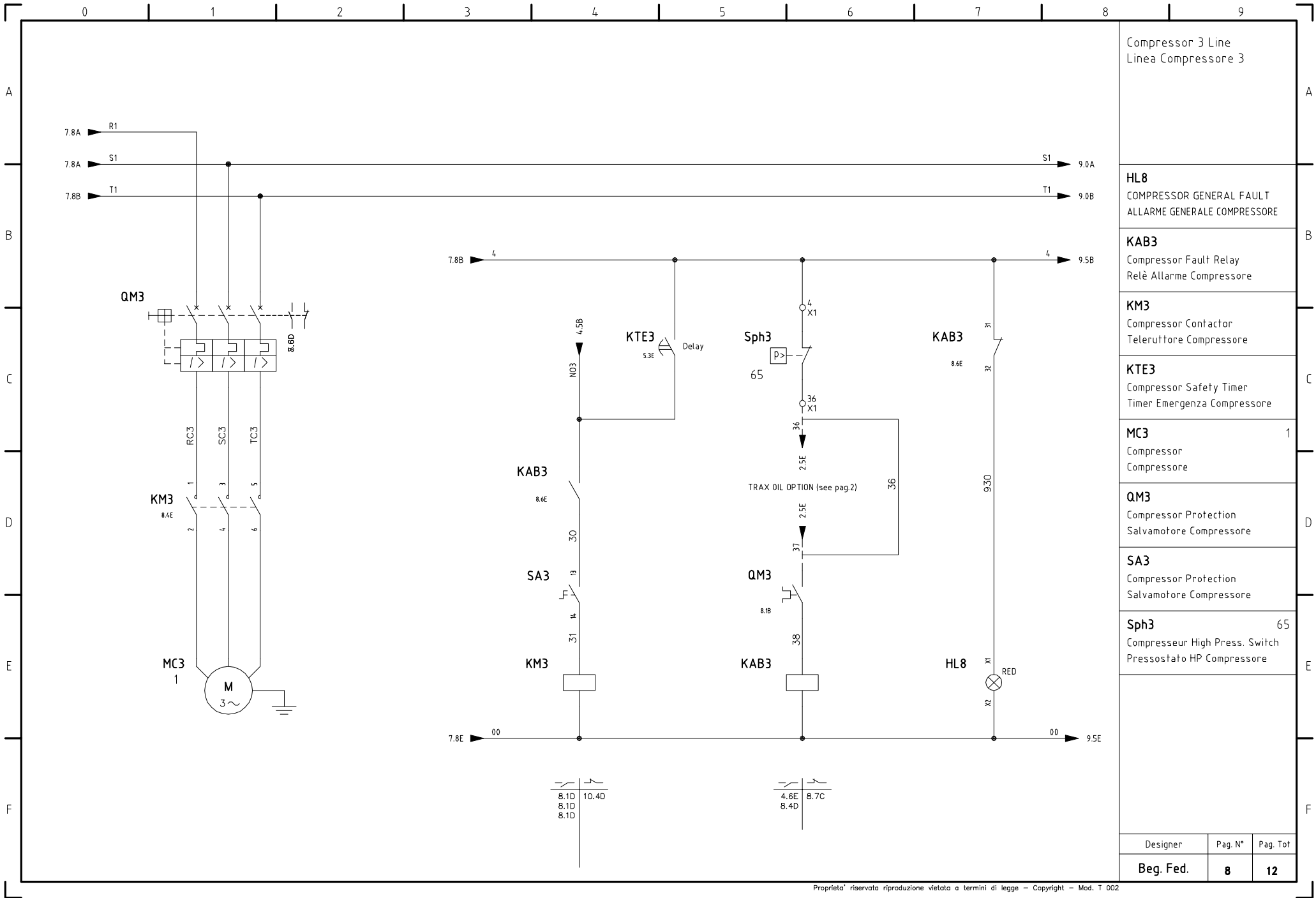
SPCE 57
Safety Condenser High Press. Switch
Pressostato HP Emergenza Condensatore

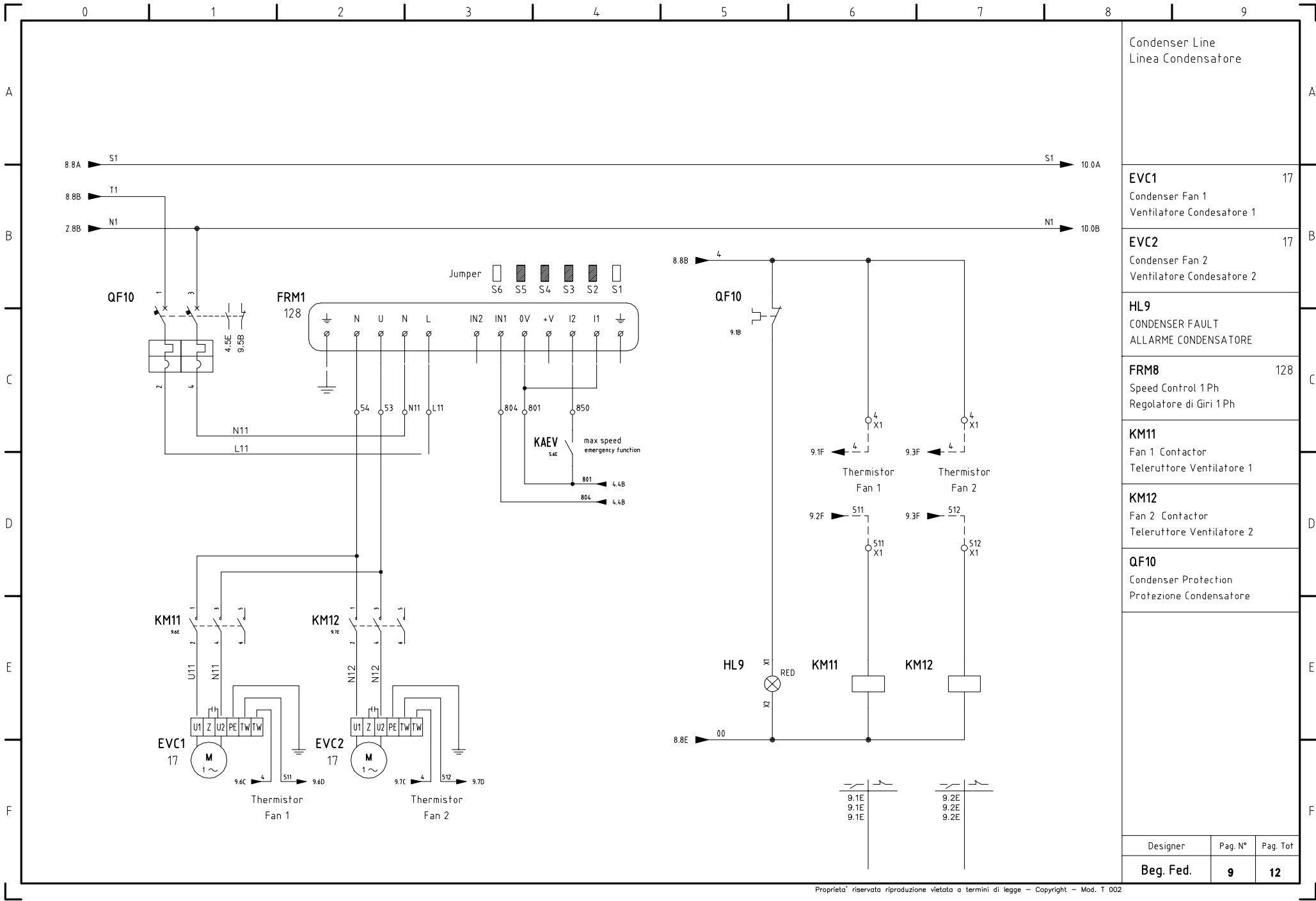
SPLE 68
Safety Compressors Low Press. Switch
Pressostato LP Emergenza Compressori

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Condenser Line
Linea Condensatore

EVC1 17
Condenser Fan 1
Ventilatore Condensatore 1

EVC2 17
Condenser Fan 2
Ventilatore Condensatore 2

HL9
CONDENSER FAULT
ALLARME CONDENSATORE

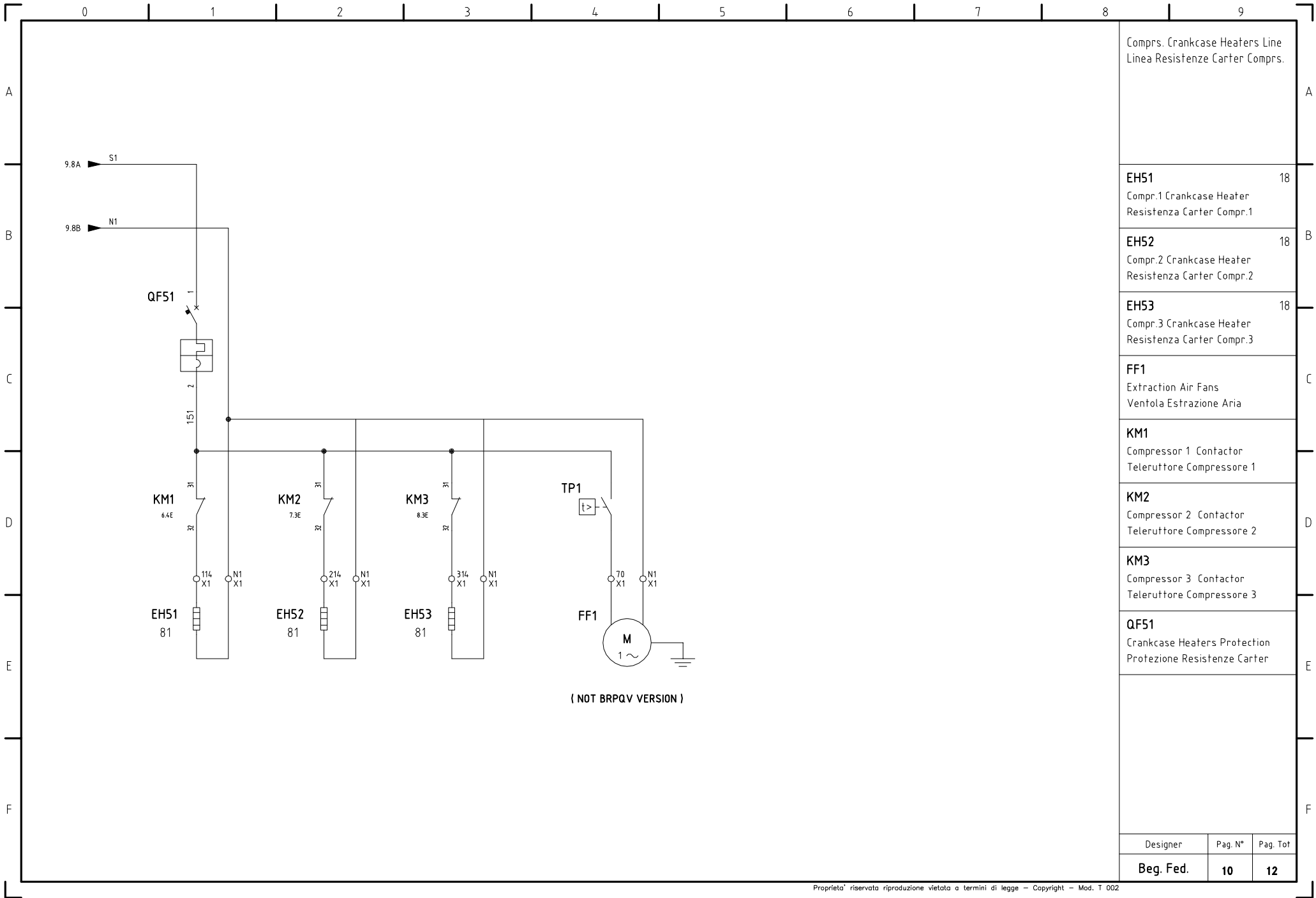
FRM8 128
Speed Control 1 Ph
Regolatore di Giri 1 Ph

KM11
Fan 1 Contactor
Teleruttore Ventilatore 1

KM12
Fan 2 Contactor
Teleruttore Ventilatore 2

QF10
Condenser Protection
Protezione Condensatore

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Comprs. Crankcase Heaters Line
Linea Resistenze Carter Compr.

EH51 18
Compr.1 Crankcase Heater
Resistenza Carter Compr.1

EH52 18
Compr.2 Crankcase Heater
Resistenza Carter Compr.2

EH53 18
Compr.3 Crankcase Heater
Resistenza Carter Compr.3

FF1
Extraction Air Fans
Ventola Estrazione Aria

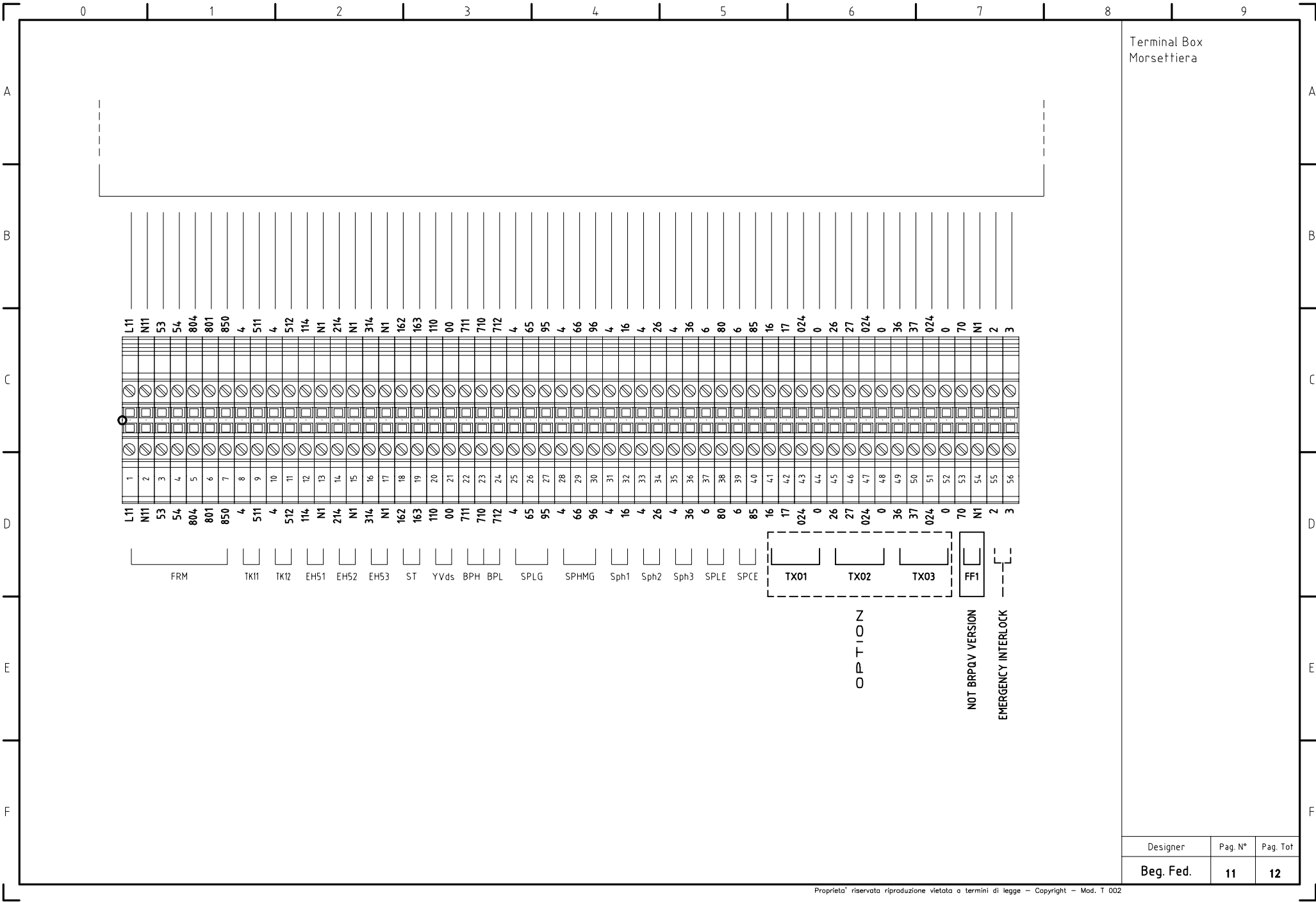
KM1
Compressor 1 Contactor
Teleruttore Compressore 1

KM2
Compressor 2 Contactor
Teleruttore Compressore 2

KM3
Compressor 3 Contactor
Teleruttore Compressore 3

QF51
Crankcase Heaters Protection
Protezione Resistenze Carter

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beg.fed.	10	12



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Components List
Lista Componenti

Nome/Item	Tipo/Type	Costruttore/Marke	Fg/Sh	Funzione/Function [1]
A1		Dixell	4	Electronic Controller
BPH1		Wika	4	HP Transmitter
BPL1		Wika	4	LP Transmitter
EVC1		Ebm - Papst	9	Condenser Fan 1
EVC2		Ebm - Papst	9	Condenser Fan 2
KA30		Finder	3	Control Phases Relay
KAB1		Finder	6	Compressor 1 Fault Relay
KAB2		Finder	7	Compressor 2 Fault Relay
KAB3		Finder	8	Compressor 3 Fault Relay
KAEV		Finder	5	Condenser Fans Safety Relay
KAHPG		Finder	3	High Pressure Fault Relay
KALPG		Finder	3	Low Pressure Fault Relay
KM1		Siemens	6	Compressor 1 Contactor
KM2		Siemens	7	Compressor 2 Contactor
KM3		Siemens	8	Compressor 3 Contactor
KM11		Siemens	9	Condenser Fan 1 Contactor
KM12		Siemens	9	Condenser Fan 2 Contactor
KTE1		Omron	5	Compressor 1 Safety Timer
KTE2		Omron	5	Compressor 2 Safety Timer
KTE3		Omron	5	Compressor 3 Safety Timer
MC1		Copeland	6	Compressor 1
MC2		Copeland	7	Compressor 2
MC3		Copeland	8	Compressor 3
QF10		Siemens	9	Condenser Protection
QF30		Siemens	3	Control Phases Relay Protection
QF51		Siemens	10	Compressors Crankcase Heaters Protection
QF81		Siemens	2	400V Power Line Protection
QF82		Siemens	2	230V Aux. Line Protection
QF83		Siemens	2	24V Aux. Line Protection
QM1		Siemens	6	Compressor 1 Protection
QM2		Siemens	7	Compressor 2 Protection
QM3		Siemens	8	Compressor 3 Protection
QS1		Socomec	2	Main Switch
SA1		Abb	6	Compressor 1 Off/On Switch
SA2		Abb	7	Compressor 2 Off/On Switch
SA3		Abb	8	Compressor 3 Off/On Switch
SLX1		Alco	2	Compressor 1 Electronic Oil Level
SLX2		Alco	2	Compressor 2 Electronic Oil Level
SLX3		Alco	2	Compressor 3 Electronic Oil Level
SPE		Danfoss	5	Safety Condenser High Pressure Switch
Sph1		Danfoss	6	Compresseur 1 High Mini-Pressure Switch
Sph2		Danfoss	7	Compresseur 2 High Mini-Pressure Switch
Sph3		Danfoss	8	Compresseur 3 High Mini-Pressure Switch
SPHMG		Danfoss	3	General High Pressure Switch
SPL		Danfoss	5	Safety Compressors Low Pressure Switch
SPLG		Danfoss	3	General Low Pressure Switch
TV1		Tecnocablaggi	2	Transformer 400-230V
TV2		Tecnocablaggi	4	Transformer 230-12V
TV3		Tecnocablaggi	2	Transformer 400-24V
YVds		Digital Scroll	4	Digital Scroll Unloading Valve

Option ---->

Option ---->

Option ---->

Option ---->

Option ---->

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