

JOB: 2F11

SABIZ PLANT

LOSS IN WEIGHT SYSTEM ITEM: 65WG3

DESMET BALLESTRA SUPPLY

LOCAL CONTROL PANEL: KC-65WG3

LIW FEEDER CONTROLLER: WIC-65.3

PNEUMATIC BOX: WKP-65WG3

ELECTRICAL & PNEUMATICAL DOCUMENTATION

WIRING DIAGRAMS - PNEUMATIC DIAGRAMS - LAYOUT - TERMINAL STRIP - MATERIAL LIST

Thermo SCIENTIFIC <small>Thermo Rainey Italia S.r.l.-Strada Rivoltana km.6/7 - Rodano (MI)</small>	The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies. <i>L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.</i>						
	Drawing supplier 25332-CC06-E001A	Rev. 1					
 desmet ballestra	Drawing 2F11-85-085	Sheets 1 of 22					
Plant	SABIZ		1	UPDATE AFTER TEST	DC	11/09/2012	
			0	ISSUE FOR CONSTRUCTION	DM	06/08/2012	
		Rev.		Issue description	Author	Date	

Sheet	Revisions				
	Description	0	1	2	3
001	COVER PAGE	x	x		
002	INDEX	x	x		
003	BLOCK DIAGRAM	x	x		
004	KC-65WG3 - WIRING DIAGRAM	x	x		
005	KC-65WG3 - WIRING DIAGRAM	x	x		
006	KC-65WG3 - WIRING DIAGRAM	x	x		
007	KC-65WG3 - WIRING DIAGRAM	x	x		
008	KC-65WG3 - WIRING DIAGRAM	x	x		
009	KC-65WG3 - TERMINAL BLOCK	x	x		
010	KC-65WG3 - TERMINAL BLOCK	x	x		
011	KC-65WG3 - INTERCONNECTION	x	x		
012	KC-65WG3 - TOPOGRAPHIC VIEW	x	x		
013	KC-65WG3 - LABELS	x	x		
014	WIC-65.3 - TOPOGRAPHIC VIEW	x	x		
015	KC-65WG3 - EQUIPMENT LIST	x	x		
016	KC-65WG3 - EQUIPMENT LIST	x	x		
017	WIC 65.3 & WKP-65WG3 - ON BOARD CONN.	x	x		
018	WKP-65WG3 - PNEUMATIC DIAGRAM	x	x		
019	WKP-65WG3 - INTERNAL VIEW	x	x		
020	WKP-65WG3 - EXTERNAL VIEW	x	x		
021	WKP-65WG3 - ELECTR. EQUIPMENT LIST	x	x		
022	WKP-65WG3 - PNEUM. EQUIPMENT LIST	x	x		
023					
024					
025					
026					
027					
028					
029					
030					
031					
032					
033					
034					
035					
036					
037					
038					
039					
040					
041					
042					
043					
044					
045					

Sheet	Revisions				
	Description	0	1	2	3
046					
047					
048					
049					
050					
051					
052					
053					
054					
055					
056					
057					
058					
059					
060					
061					
062					
063					
065					
066					
067					
068					
069					
070					
071					
072					
073					
074					
075					
076					
077					
078					
079					
080					
081					
082					
083					
084					
085					
086					
087					
088					
089					
090					

The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.

L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

	Drawing supplier 25332-CC06-E002A	Rev. 1	Plant SABIZ				
	Drawing 2F11-85-085	Sheet 2	Drawing's title INDEX	1	UPDATED AFTER TEST	DC	11/09/2012
				0	ISSUE FOR CONSTRUCTION	DM	06/08/2012
				Revision	Issue description	Author	Date

1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

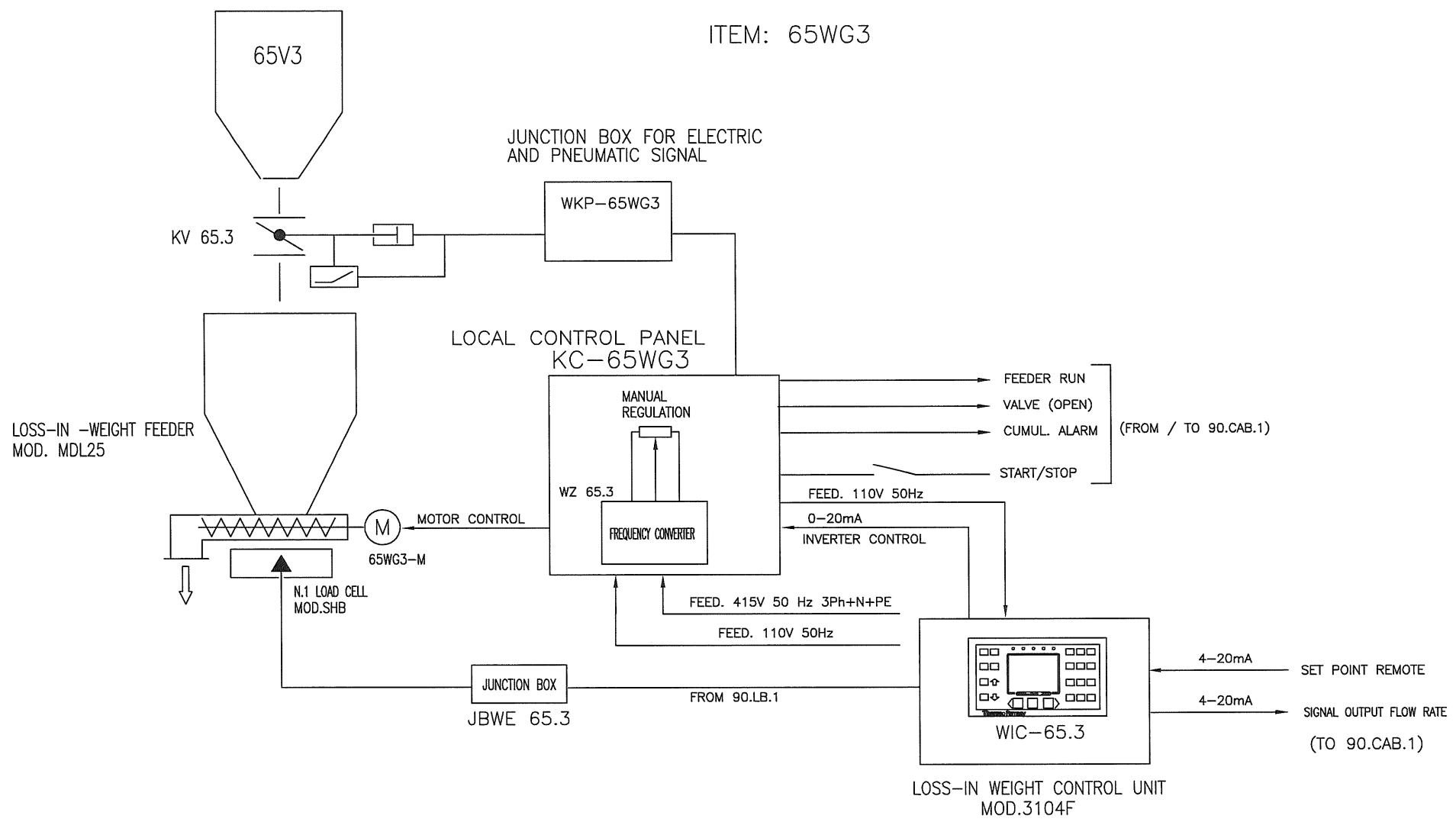
D

E

E

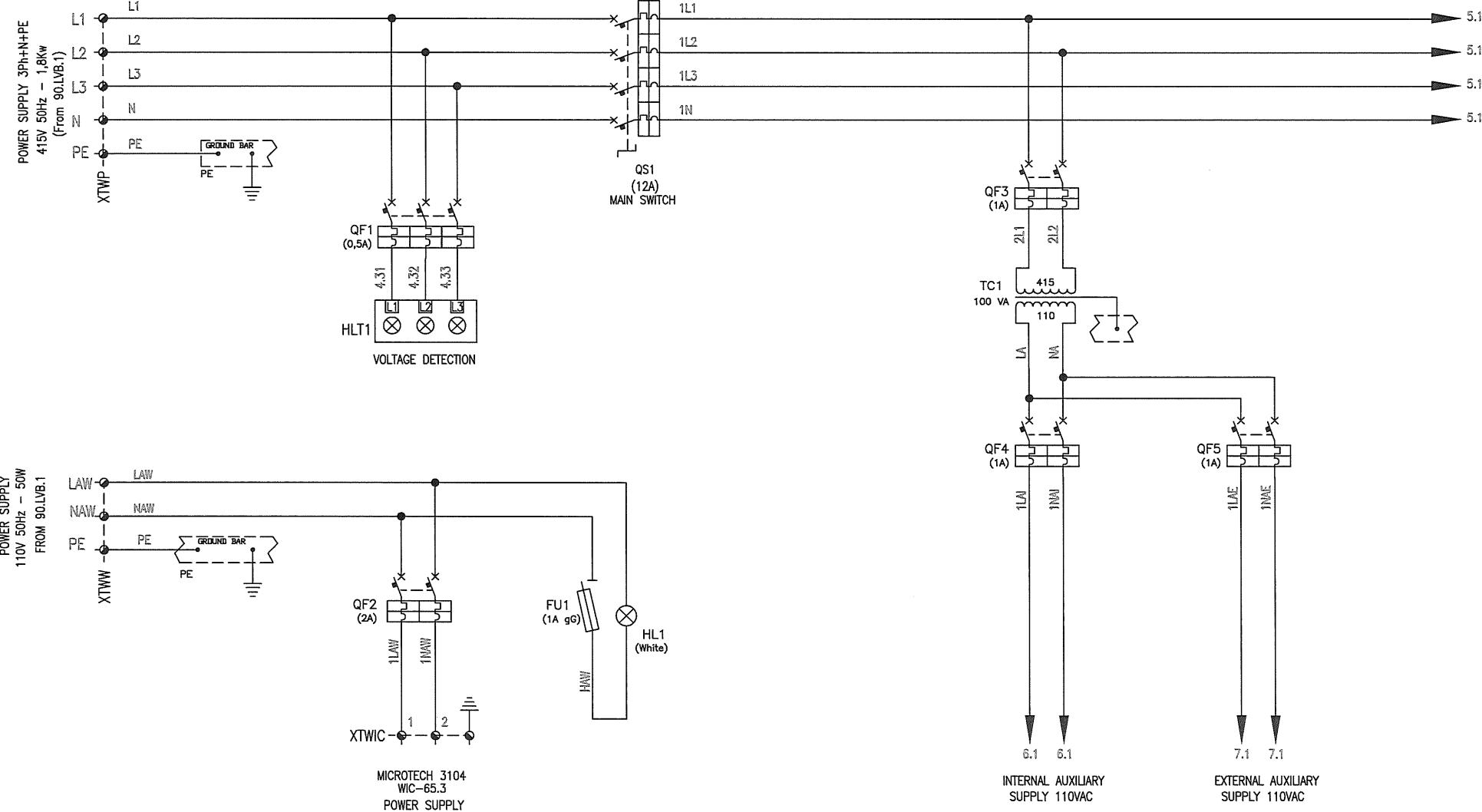
F

F



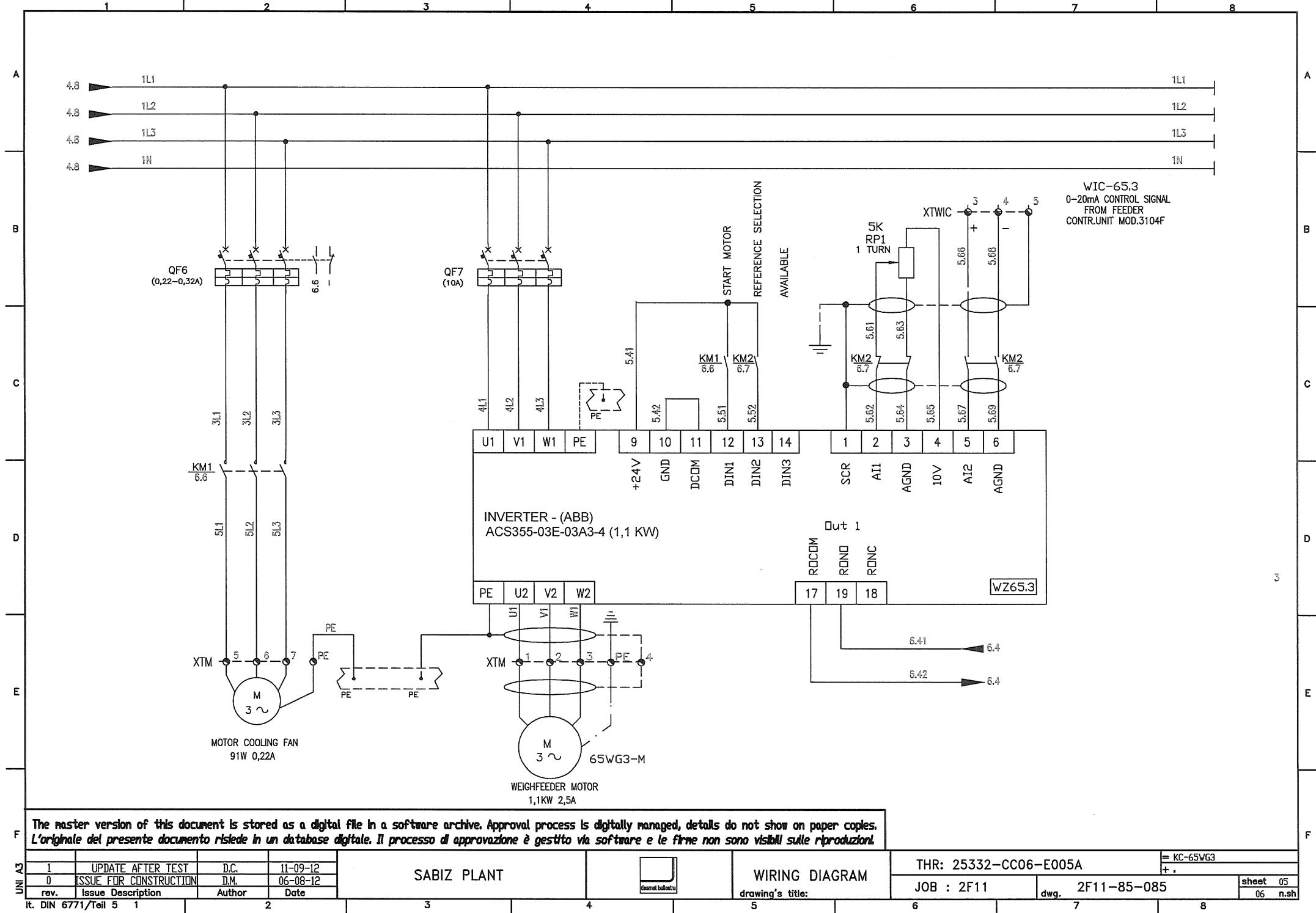
The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

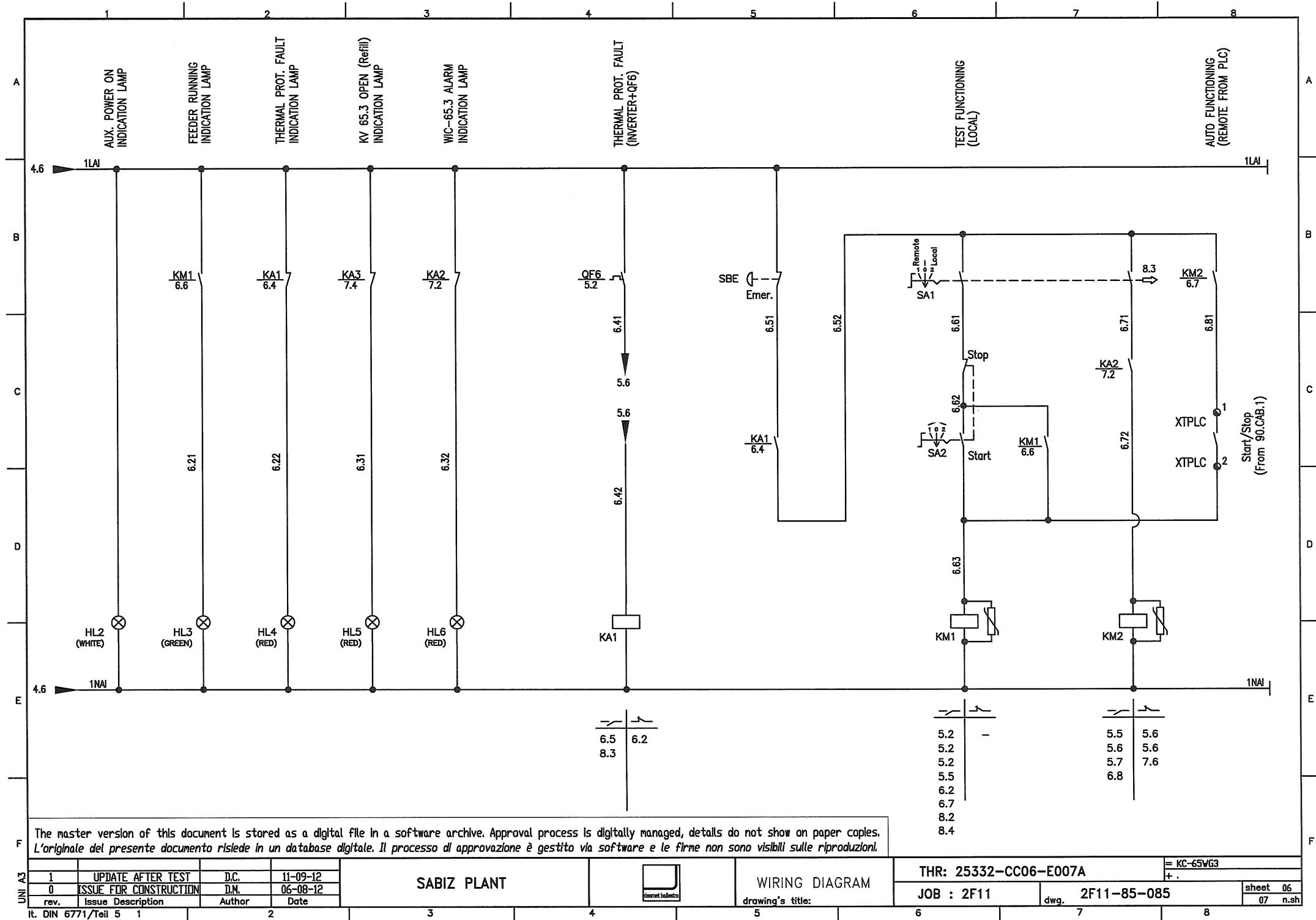
UNI A3				SABIZ PLANT		BLOCK DIAGRAM		THR: 25332-CC06-E003A		= KC-65WG3	
It.	rev.	UPDATE AFTER TEST ISSUE FOR CONSTRUCTION	Author	D.C.	Date	drawn by	drawing's title:	JOB : 2F11	dwg. 2F11-85-085	sheet 03	
DIN 6771/Teil 5	1	5	1	2	2	3	4	5	6	7	8

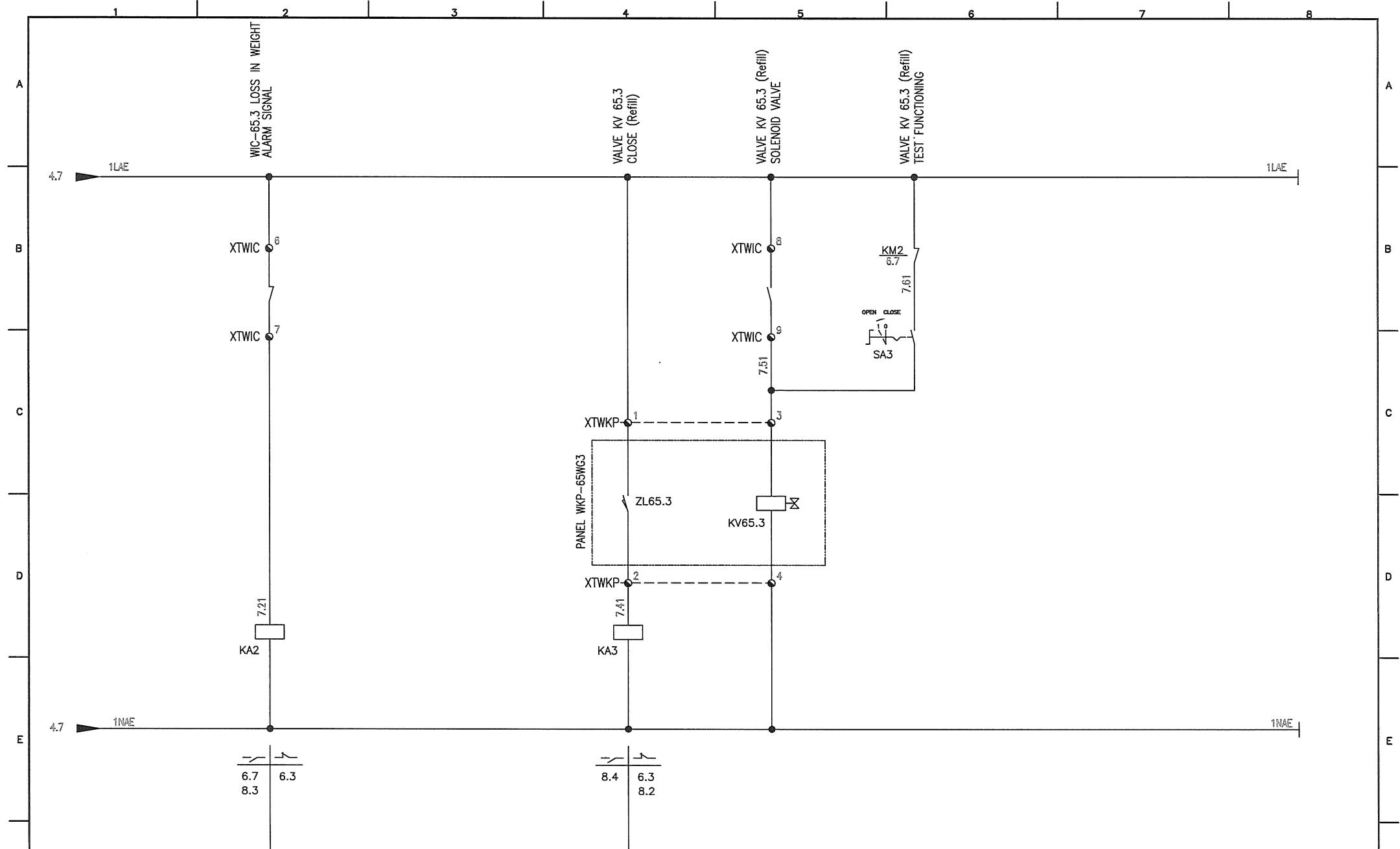


The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3				SABIZ PLANT		WIRING DIAGRAM		THR: 25332-CC06-E004A		KC-65VG3
1	UPDATE AFTER TEST	D.C.	11-09-12							+
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12					JOB : 2F11	dwg. 2F11-85-085	sheet 04
rev.	Issue Description	Author	Date							05 n.sh







The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3			
1	UPDATE AFTER TEST	D.C.	11-09-12
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12
rev.	Issue Description	Author	Date

SABIZ PLANT



WIRING DIAGRAM
drawing's title:

THR: 25332-CC06-E007A = KC-65WG3
JOB : 2F11 dwg. 2F11-85-085 sheet 07
It. DIN 6771/Tell 5 1 rev. 08 n.sh

1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

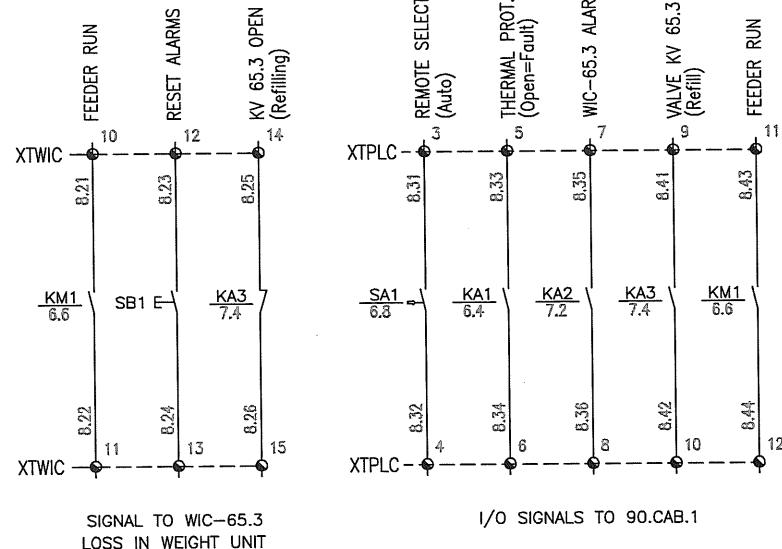
D

E

E

F

F



The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3	Issue Description	Author	Date
1	UPDATE AFTER TEST	D.C.	11-09-12
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12

SABIZ PLANT



WIRING DIAGRAM
drawing's title:

THR: 25332-CC06-E008A

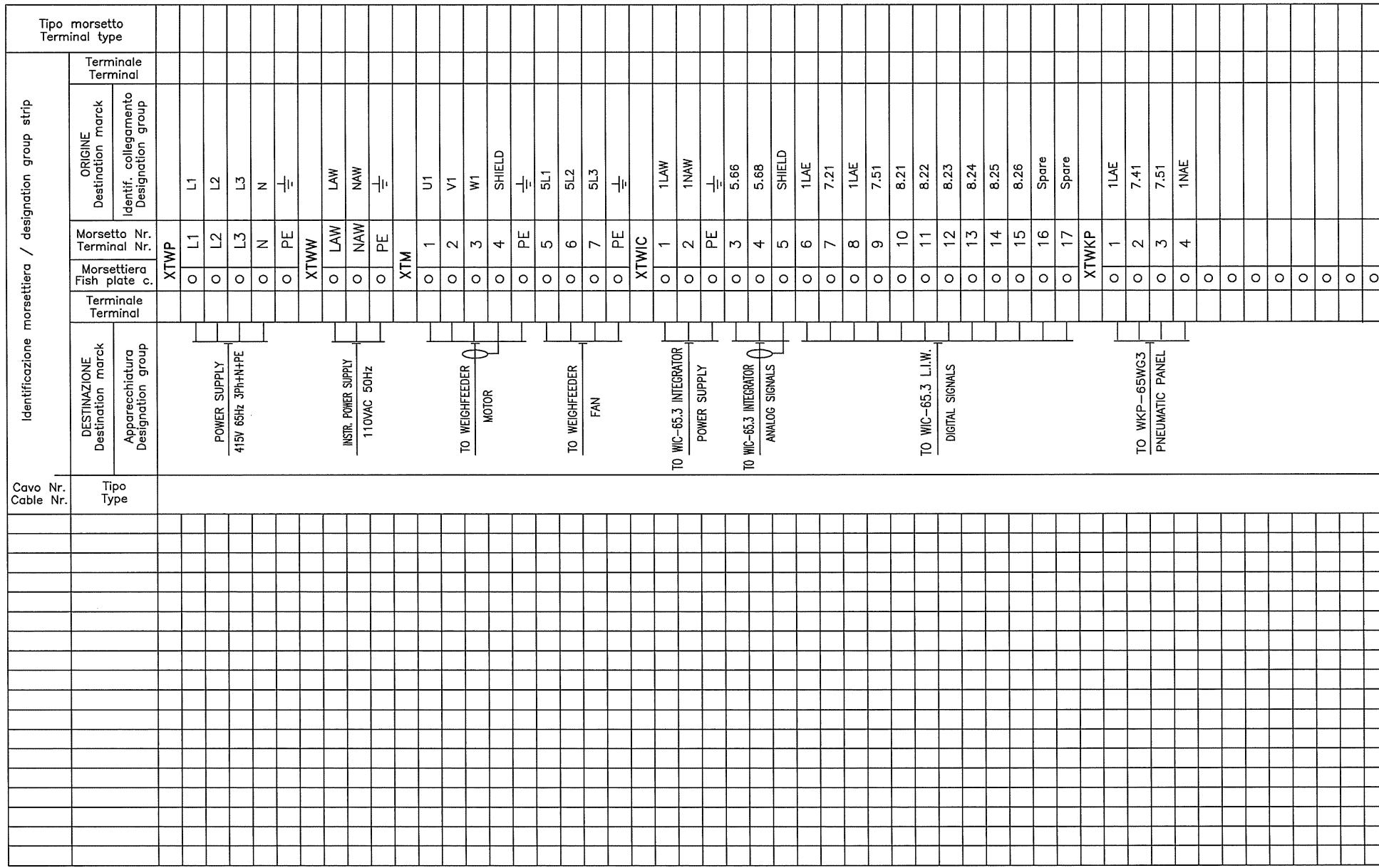
= KC-65WG3
+ .

JOB : 2F11

sheet 08

dwg. 2F11-85-085

09 n.sh



The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3	UPDATE AFTER TEST		D.C.	11-09-12
	0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12
rev.	Issue Description	Author	Date	
It. DIN 6771/Teil 5	1			2

SARIZ PLANT



TERMINAL BLOCK

THR: 25332-CC06-E009A

= KC-65WG3

JOB : 2F11 | dwg 2F11-85-085

sheet 09

The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

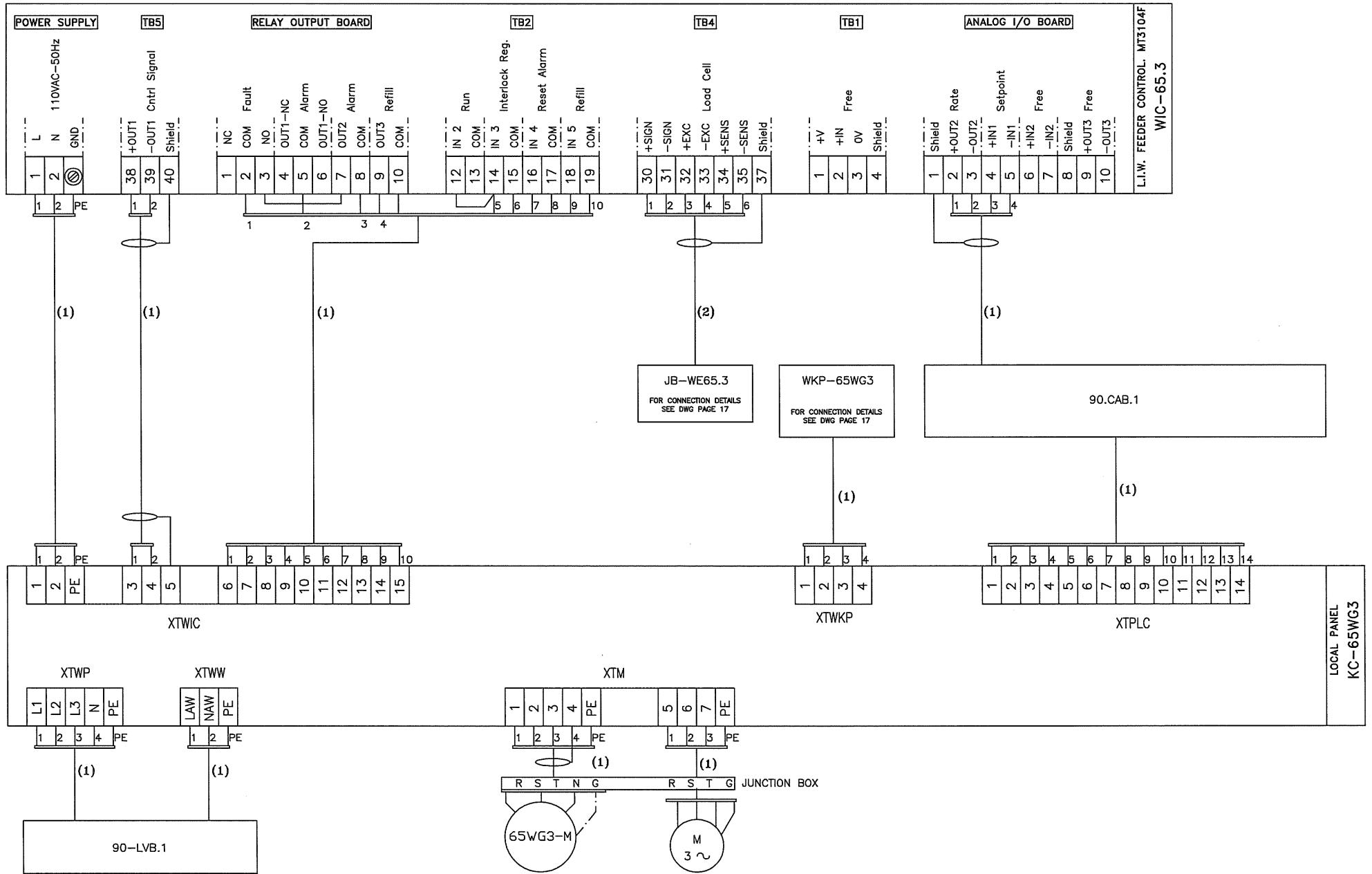
UNI A3	1	UPDATE AFTER TEST	D.C.	11-09
	0	ISSUE FOR CONSTRUCTION	D.M.	06-08
	rev.	Issue Description	Author	Date

SARIZ PLANT



TERMINAL BLOCK

THR: 25332-CC06-E010A = KC-65WG3
+ .
JOB : 2F11 dwg. 2F11-85-085 sheet 10
6 7 8 11 n.sh



The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

(1) Cable supply by Ballestra (2) Cable supply by Ramsey

UNI A3		D.C.		11-09-12	
1	UPDATE AFTER TEST	0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12
rev.	Issue Description	Author	Date		
It. DIN 6771/Tell 5	1	2	3	4	5

SABIZ PLANT



INTERCONNECTION
drawing's title:

THR: 25332-CC06-E011A

= KC-65WG3
+ .

JOB : 2F11 dwg. 2F11-85-085

sheet 11
12 n.sh

1

2

3

4

5

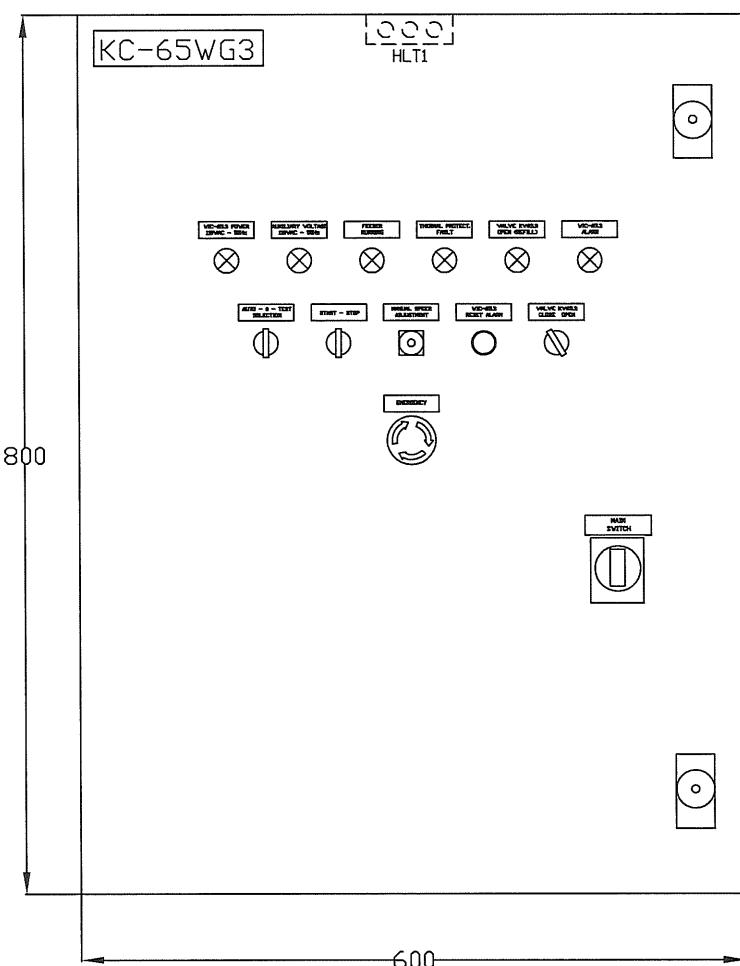
6

7

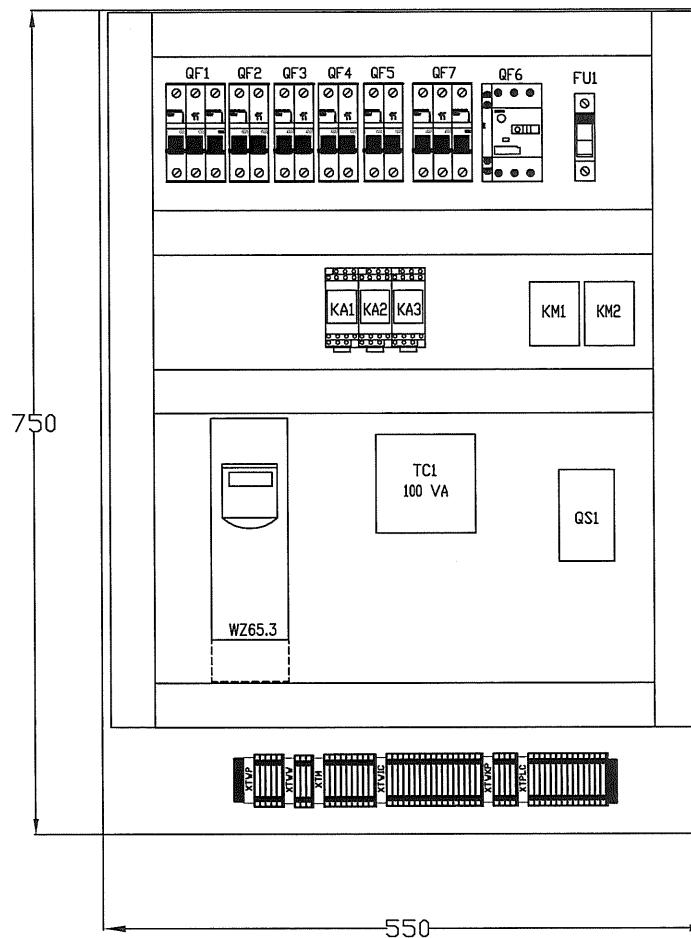
8

A

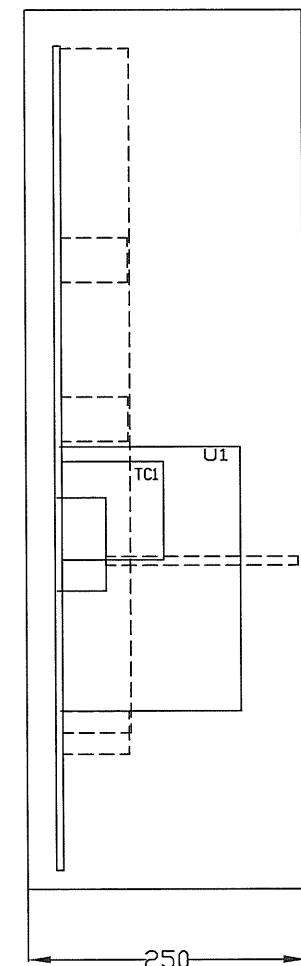
EXTERNAL VIEW



INTERNAL VIEW



SIDE VIEW



The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3								
1	UPDATE AFTER TEST	D.C.	11-09-12	0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12	
rev.	Issue Description	Author	Date					

SABIZ PLANT



TOPOGRAPHIC VIEW
drawing's title:

THR: 25332-CC06-E012A

= KC-65WG3
+ .

JOB : 2F11 dwg. 2F11-85-085

sheet 12
13 n.sh

1 2 3 4 5 6 7 8

A

A

B

B

WIC 65.3 POWER
110VAC - 50HzAUXILIARY VOLTAGE
110VAC - 50 HzFEEDER
RUNNINGTHERMAL PROTECT.
FAULTVALVE KV65.3
OPEN (REFILL)WIC-65.3
ALARM

HL1



HL2



HL3



HL4



HL5



HL6

AUTO - 0 - TEST
SELECTION

START - STOP

MANUAL SPEED
ADJUSTMENTWIC-65.3
RESET ALARMVALVE KV65.3
CLOSE OPEN

SA1



SA2



RP1

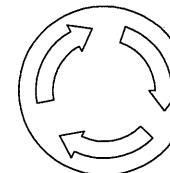


SB1



SA3

EMERGENCY



SBE

The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
 L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3

1	UPDATE AFTER TEST	D.C.	11-09-12	SABIZ PLANT	drawing's title:	THR: 25332-CC06-E013A	= KC-65VG3
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12			JOB : 2F11	dwg. 2F11-85-085 sheet 13
rev.	Issue Description	Author	Date				14 n.sh

It. DIN 6771/Teil 5 1

2

3

4

5

6

7

8

1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

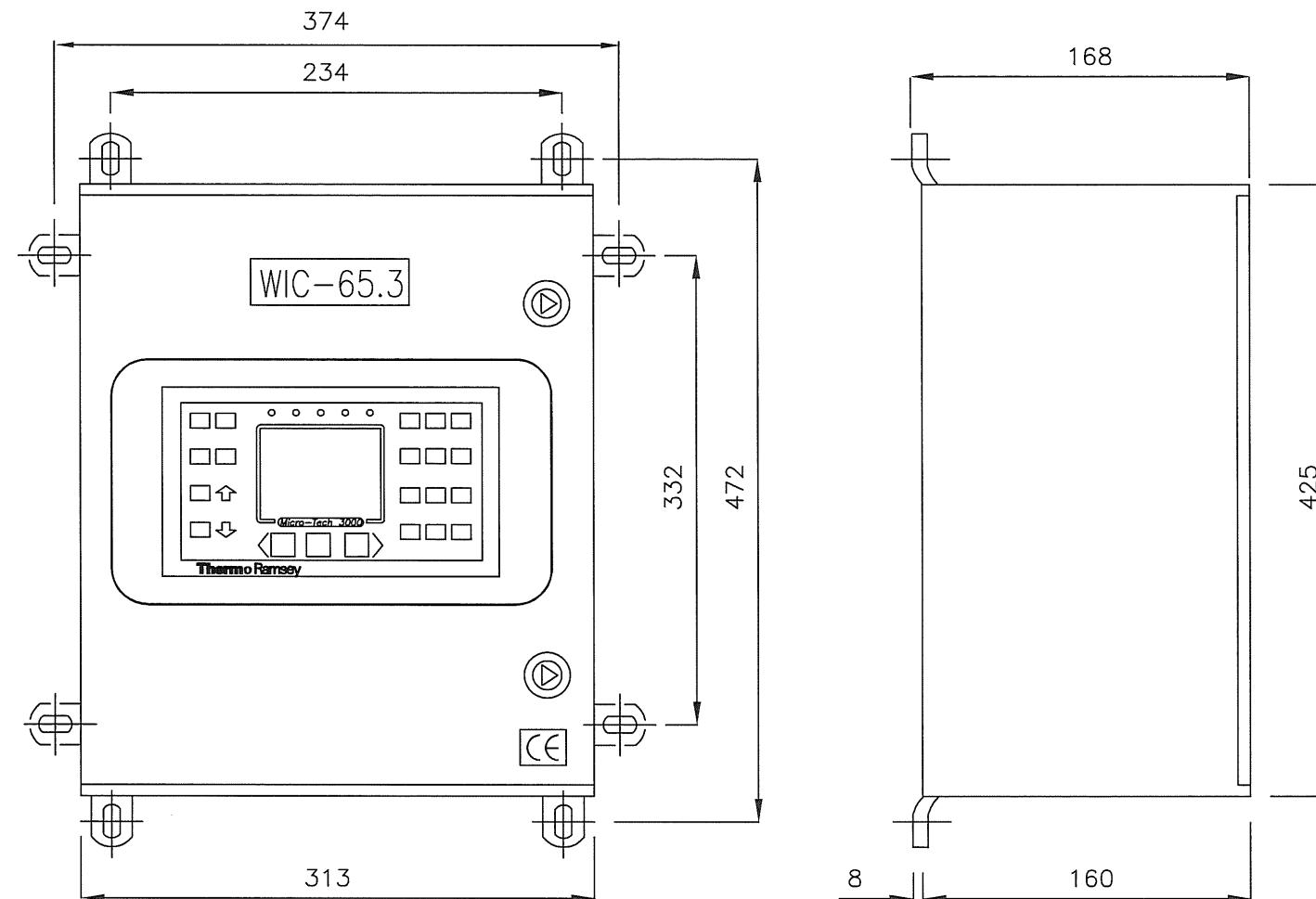
D

E

E

F

F



The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3		1 UPDATE AFTER TEST	D.C.	11-09-12
0 ISSUE FOR CONSTRUCTION		D.M.	06-08-12	
rev.	Issue Description	Author	Date	

SABIZ PLANT



WIC-65.3
TOPOGRAPHIC VIEW
drawing's title:

THR: 25332-CC06-E014A

= WIC-65WG3

+ .

JOB : 2F11 dwg. 2F11-85-085

sheet	14
14	n.sh

EQUIPMENT LIST

SCHEMATIC WIRING DIAGRAM

CODE	EQUIPMENT DESCRIPTION	IDENTIFICATION DATA	MANUFACT.	Q.TY	ID TAG	UTILITIES TAG	CUBICLE	LABEL	DWG Nr.
QS1	MAIN SWITCH 3 X12A S0 4,5/6,3A 1L+1R	3RV1011-1GA15	SIEMENS	1					
QS1	DOOR LOCK ACCESSORIES	3RV1926-0K	SIEMENS	1					
HLT1	VOLTAGE DETECTION INDICATION LAMP DSL3	050ASL500	ELFIN	1					
QF1	MAGNETHERMAL SWITCH 3 POLE (0,5A) - "C" CURVE	5SY6 305-7	SIEMENS	1					
QF2	MAGNETHERMAL SWITCH 2 POLE (2A) - "C" CURVE	5SY6 202-7	SIEMENS	1					
QF3,QF4, QF5	MAGNETHERMAL SWITCH 2 POLE (2A) - "C" CURVE	5SY6 101-7	SIEMENS	3					
QF6	MAGNETHERMAL SWITCH 0,22-0,32A 1L+1R	3RV1011-ODA15	SIEMENS	1					
QF7	MAGNETHERMAL SWITCH 3 POLE (10A) - "C" CURVE	5SY4 310-7KK11	SIEMENS	1					
F1	FUSEHOLDER 1P	3NW7011	SIEMENS	1					
TC1	SAFETY AND INSULATION TRANSFORMER 100 VA	Primary:400-415 VAC Secondary : 110 VAC	MG	1					
WZ 64.3	INVERTER ABB 1,1 Kw	ACS355-03E03A3-4	ABB	1					
WZ 64.3	BASIC CONTROL PANEL ACS-CP-C	J404	ABB	1					
KM1, KM2	CONTACTOR 110VAC - 3+1NO	3RT10 16-1AF01	SIEMENS	2					
KM1, KM2	VARISTOR FOR CONTACTOR	3RT1916-1JK00	SIEMENS	2					
KM1	AUXILIARY CONTACT S00 4NO	3RH1911-1FA40	SIEMENS	1					
KM2	AUXILIARY CONTACT S00 4NC	3RH1911-1GA04	SIEMENS	1					
KA1,2,3	RELAY 4 CONTACT WITH SURGE SUPPRESSION	MY4N-CR (110VAC)	OMRON	3					
KA1,2,3	SOCKET FOR RELAY	PYF14AN	OMRON	3					

The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

	Drawing supplier 25332-CC06-E015A	Rev. 1	Plant SABIZ						
	Drawing 2F11-85-085	Sheet 15	Drawing's title EQUIPMENT LIST	1	UPDATE AFTER TEST	DC	11/09/2012		
				0	ISSUE FOR CONSTRUCTION	DM	06/08/2012		
		Next 16		Revisi	Issue description	Author	Date		

EQUIPMENT LIST

SCHEMATIC WIRING DIAGRAM

CODE	EQUIPMENT DESCRIPTION	IDENTIFICATION DATA	MANUFACT.	Q.TY	ID TAG	UTILITIES TAG	CUBICLE	LABEL	DWG Nr.
RP1	OPERATOR FOR POTENTIOMETER	CEP9MZ	CEMA	1					
RP1	POTENTIOMETER SINGLE TURN	5 KOhm	SBC	1					
SA1	SELECTOR SW. 3 Position BLACK	3SB3500-2SA11	SIEMENS	1					
SA2	SELECTOR SW. 2 Position BLACK SPRING RETURN	3SB3500-2EA11	SIEMENS	1					
SBE	EMERGENCY PLUNGER WITH MECHANICAL LOCK	3SB3500-1HA20	SIEMENS	1					
SA3	SELECTOR SW. 1 Position BLACK SPRING RETURN	3SB3500-2LA11	SIEMENS	1					
SB1	PUSHBUTTON BLACK	3SB3500-0AA11	SIEMENS	1					
SA1, SA2, SB1	CONTACT 1 NO	3SB3400-0B	SIEMENS	5					
SBE, SA2, SA3	CONTACT 1 NC	3SB3400-0C	SIEMENS	3					
HL1, HL2	LAMP WHITE	3SB3604-6AB60	SIEMENS	2					
HL3	LAMP GREEN	3SB3604-6AB40	SIEMENS	1					
HL4..6	LAMP RED	3SB3604-6AB20	SIEMENS	3					
HL1...6	LAMP BA9s - 110VAC 2W		SIEMENS	6					
XT..	TERMINAL 4 mmq		SIEMENS	46					
XT..	GROUND TERMINAL 4 mmq		SIEMENS	5					
-	SET OF LABELS	DWG. 2F11-85-085 Sheet 13	-	1					
KC-65WG3	CABINET 800(H)x600(W)x250(D)	NSYS 3D8625P	SCHNEIDER	1					

The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.

L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

	Drawing supplier 25332-CC06-E017A	Rev. 1	Plant SABIZ					
	Drawing 2F11-85-085	Sheet 16	Drawing's title EQUIPMENT LIST	1	UPDATE AFTER TEST	DC	11/09/2012	
	Next 17			0	ISSUE FOR CONSTRUCTION	DM	06/08/2012	
				Revision	Issue description	Author	Date	

1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

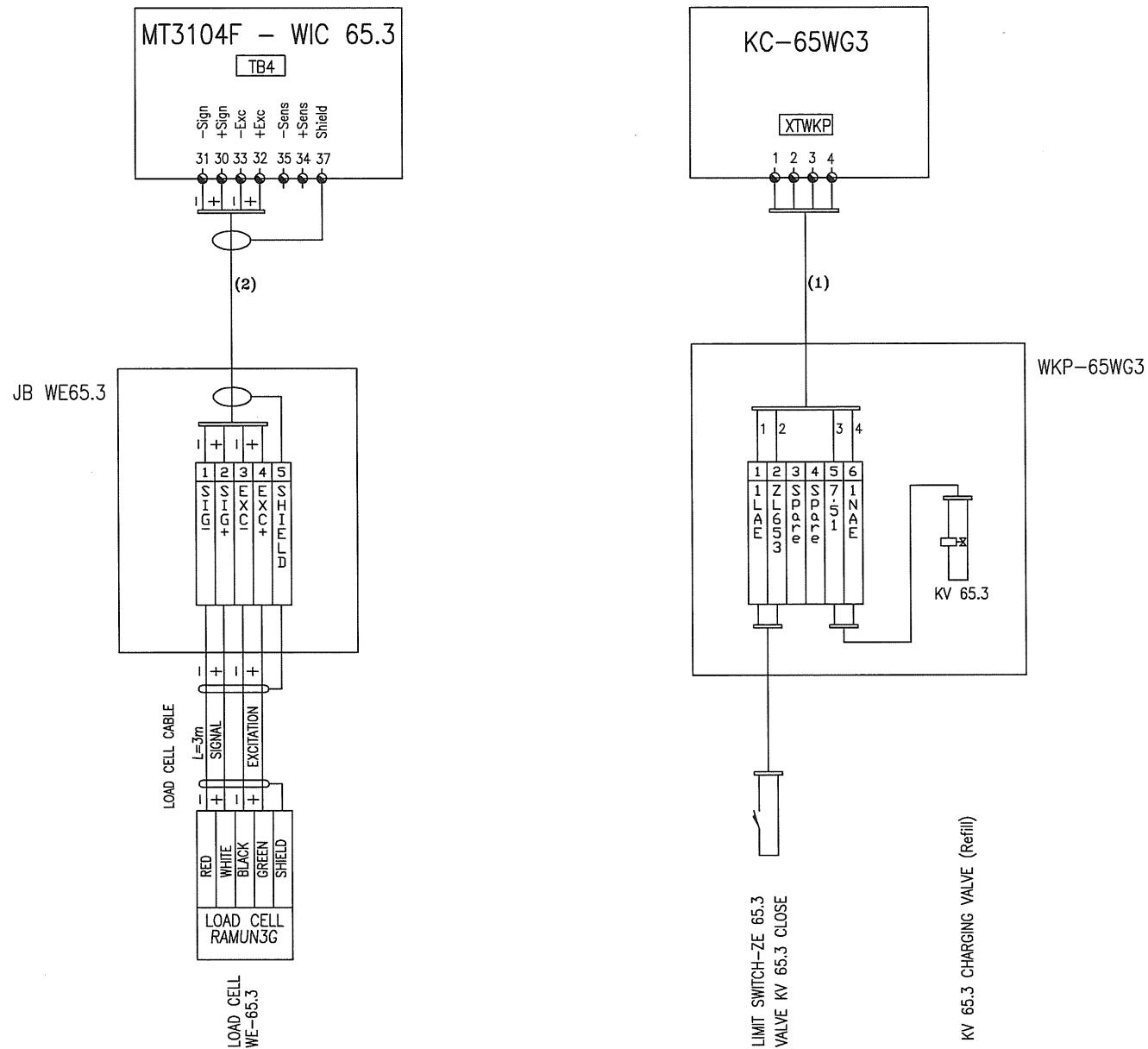
D

E

E

F

F



The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3				SABIZ PLANT		WIC 65.3 & WKP-65WG3 ON BOARD CONNECTION drawing's title:		THR: 25332-CC06-E017A		-	
1	UPDATE AFTER TEST	D.C.	11-09-2012							+	-
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-2012					JOB : 2F11	dwg. 2F11-85-085	sheet 17	
rev.	Issue Description	Author	Date							18	n.sh



1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

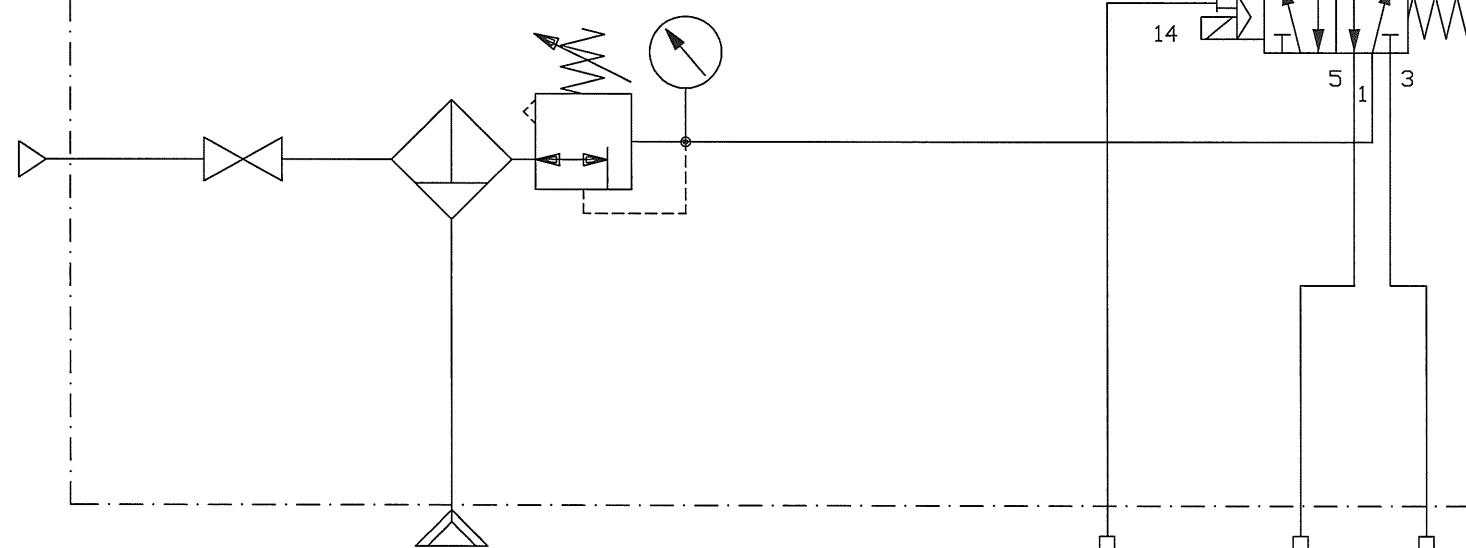
D

E

E

F

F



The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
 L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3	1	UPDATE AFTER TEST	D.C.	11-09-2012
	0	ISSUE FOR CONSTRUCTION	D.M.	06-08-2012
rev.	Issue Description	Author	Date	

SABIZ PLANT



WKP-65WG3
 ELECTRICAL AND PNEUMATIC
 JUNCTION BOX
 drawing's title:

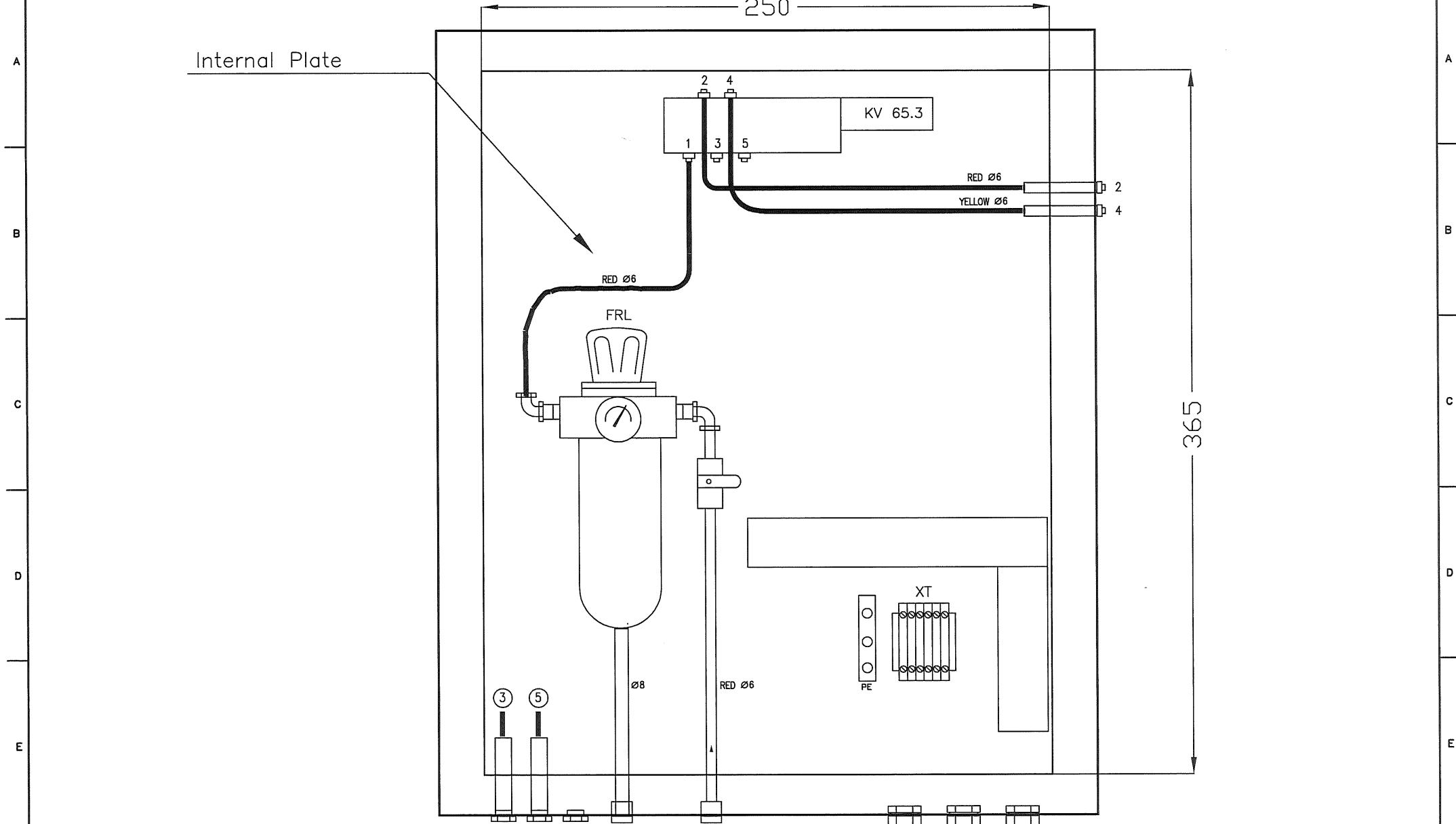
THR: 25332-CC06-E018A

JOB : 2F11 dwg. 2F11-85-085

sheet 18
 19 n.sh

1 2 3 4 5 6 7 8

250



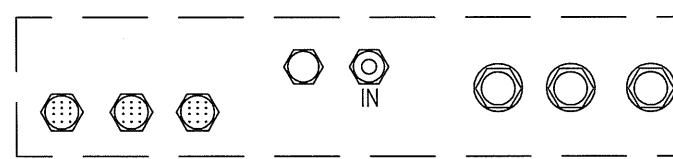
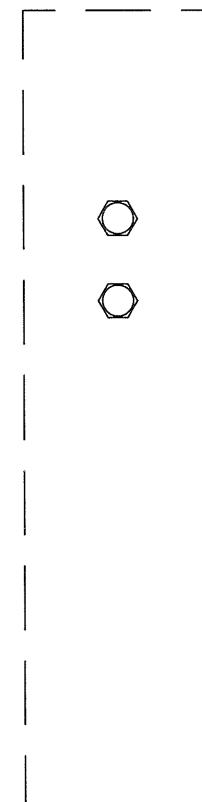
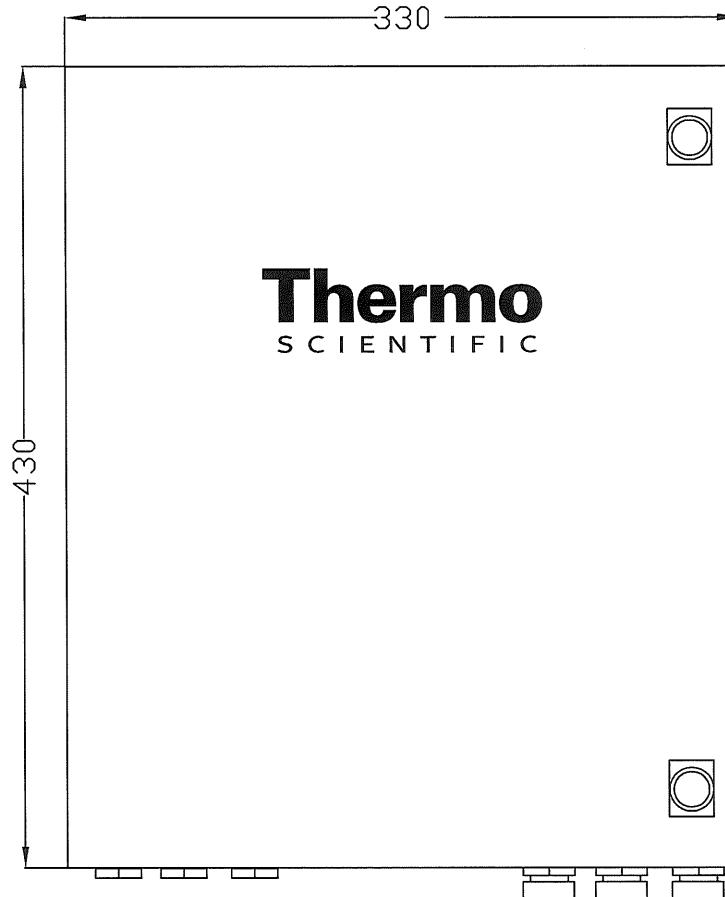
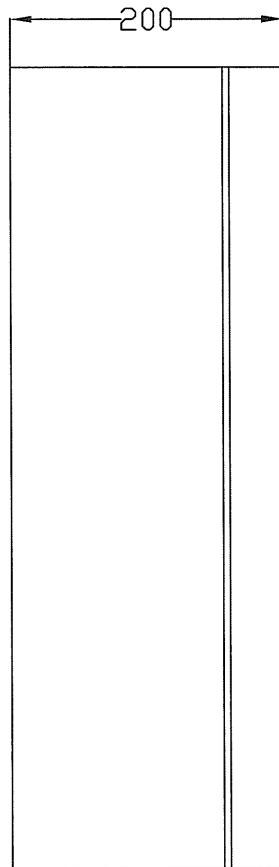
The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3				SABIZ PLANT		WKP-65WG3 INTERNAL VIEW FOR PNEUMATIC BOX drawing's title:		THR: 25332-CC06-E019A		= - + .	
1	UPDATE AFTER TEST	DC	11-09-2012								
0	ISSUE FOR CONSTRUCTION	DM	06-08-2012								
rev.	Issue Description	Author	Date								
It. DIN 6771/Teil 5 1	2	3	4	5	6	7	8	sheet 19	dwg. 2F11-85-085	20	n.sh

1 2 3 4 5 6 7 8

A

A



The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.
L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

UNI A3			
1	UPDATE AFTER TEST	DC	11-09-2012
0	ISSUE FOR CONSTRUCTION	DM	06-08-2012
rev.	Issue Description	Author	Date

SABIZ PLANT



WKP-65WG3
TOPOGRAPHIC VIEW FOR
PNEUMATIC BOX
drawing's title:

THR: 25332-CC06-E020A

JOB : 2F11 dwg. 2F11-85-085

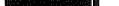
= -
+
sheet 20
21 n.sh

ELECTRICAL EQUIPMENT LIST

SCHEMATIC WIRING DIAGRAM

The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.

L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

 Thermo SCIENTIFIC Thermo Electron Srl - Strada Riviera km 1/7 - 20090 Caronno Pertusella (VA)	Drawing supplier 25332-CC06-E021A	Rev. 1	Plant SABIZ PLANT			
	Drawing 2F11-85-085	Sheet 21	Drawing's title	1 UPDATE AFTER TEST	DC	11/09/2012
		Next 22	ELECTRICAL EQUIPMENT LIST	0 ISSUE FOR CONSTRUCTION	DM	06/08/2012
				Revision	Issue description	Author Date

PNEUMATICAL EQUIPMENT LIST

SCHEMATIC WIRING DIAGRAM

The master version of this document is stored as a digital file in a software archive. Approval process is digitally managed, details do not show on paper copies.

L'originale del presente documento risiede in un database digitale. Il processo di approvazione è gestito via software e le firme non sono visibili sulle riproduzioni.

 Thermo SCIENTIFIC Thermo Fisher Scientific - Reference	Drawing supplier 25332-CC06-E022A	Rev. 1	Plant SABIZ PLANT				
	Drawing 2E50-85-085	Sheet 22	Drawing's title PNEUMATICAL EQUIPMENT LIST	1 0	UPDATE AFTER TEST ISSUE FOR CONSTRUCTION	DC DM	11/09/2012 06/08/2012
		Next -		Revision	Issue description	Author	Date