

JOB: 2F11

SABIZ PLANT

DOSING BELTS SYSTEM ITEM: 65WG2

DESMET BALLESTRA SUPPLY

LOCAL CONTROL PANEL: KC-65WG2

WEIGHT CONTROLLER & TRANSMITTER UNIT: WIC-65.2

PNEUMATIC BOX: WKP-65WG1

ELECTRICAL & PNEUMATICAL DOCUMENTATION

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

Thermo SCIENTIFIC Thermo Rainey Italia S.r.l.-Strada Rivellina km 5/7 - Rotana (MI)	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-CC05-E001A	Rev. 1				
	Drawing 2F11-85-090	Sheets 1 of 22				
Plant	SABIZ		1	UPDATE AFTER TEST	DC	11/09/2012
			0	ISSUE FOR CONSTRUCTION	DM	25/07/2012
			Rev.	Issue description	Author	Date

Sheet	Revisions				
	Description	0	1	2	3
001	COVER PAGE (EXCEL Prgm)	x	x		
002	INDEX (EXCEL Prgm)	x	x		
003	BLOCK DIAGRAM	x	x		
004	KC-65WG2 - WIRING DIAGRAM	x	x		
005	KC-65WG2 - WIRING DIAGRAM	x	x		
006	KC-65WG2 - WIRING DIAGRAM	x	x		
007	KC-65WG2 - WIRING DIAGRAM	x	x		
008	KC-65WG2 - WIRING DIAGRAM	x	x		
009	KC-65WG2 - TERMINAL BLOCK	x	x		
010	KC-65WG2 - TERMINAL BLOCK	x	x		
011	KC-65WG2 - INTERCONNECTION	x	x		
012	KC-65WG2 - TOPOGRAPHIC VIEW	x	x		
013	KC-65WG2 - LABELS	x	x		
014	WIC-65_2 - TOPOGRAPHIC VIEW	x	x		
015	KC-65WG2 - EQUIPMENT LIST	x	x		
016	KC-65WG2 - EQUIPMENT LIST	x	x		
017	WKP-65WG2 - WIRING DIAGRAM	x	x		
018	WKP-65WG2 - PNEUMATIC DIAGRAM	x	x		
019	WKP-65WG2 - INTERNAL VIEW	x	x		
020	WKP-65WG2 - EXTERNAL VIEW	x	x		
021	WKP-65WG2 - ELECTR. EQUIPMENT LIST	x	x		
022	WKP-65WG2 - PNEUM. EQUIPMENT LIST	x	x		
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Sheet	Revisions				
	Description	0	1	2	3
046					
047					
048					
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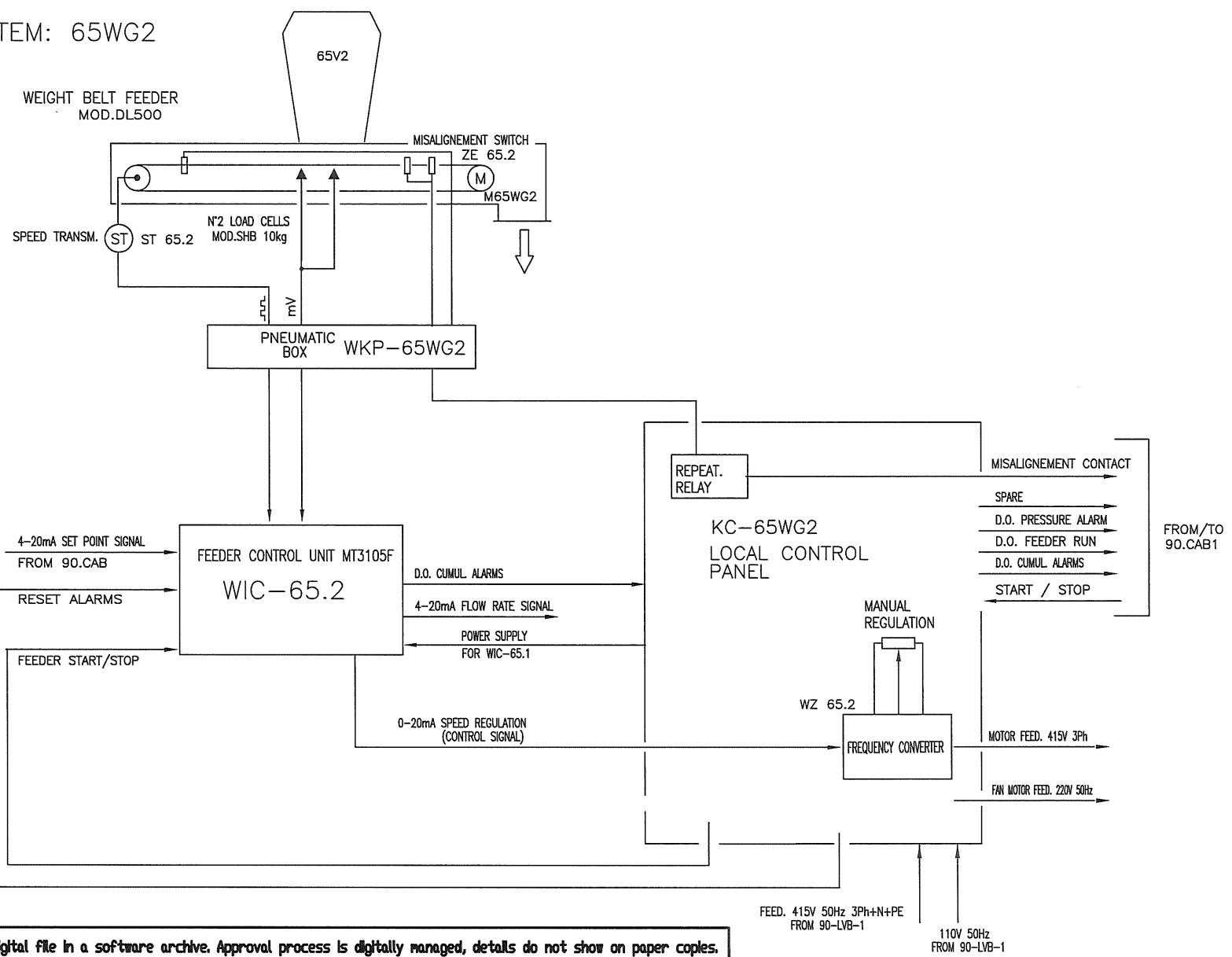
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	Drawing supplier 25332-CC05-E002A	Rev. 1	Plant SABIZ				
	Drawing 2F11-85-090	Sheet 2	Drawing's title INDEX	1	UPDATE AFTER TEST	DC	11/09/2012
				0	ISSUE FOR CONSTRUCTION	DM	25/07/2012
				Revision	Issue description	Author	Date

A

A

ITEM: 65WG2

WEIGHT BELT FEEDER
MOD.DL500

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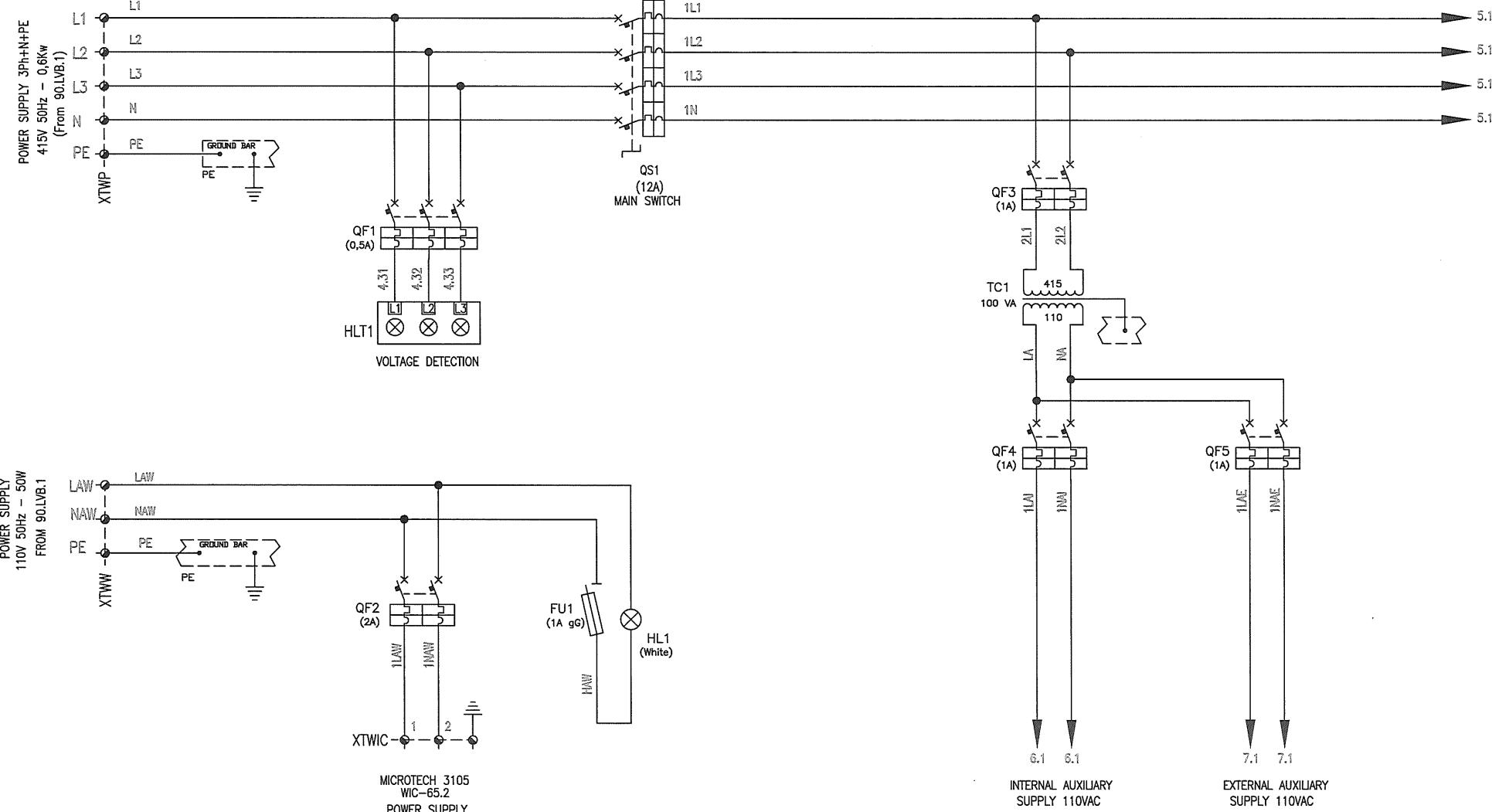
UNI A3				
1	UPDATE AFTER TEST	D.C.	11-09-12	
0	ISSUE FOR CONSTRUCTION	D.M.	25-07-12	

SABIZ PLANT



BLOCK DIAGRAM
drawing's title:
desmet ballersta

THR: 25332-CC05-E003A	= KC-65WG2
+	.
JOB : 2F11	dwg. 2F11-85-090
sheet 03	04 n.sh



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SABIZ PLANT



WIRING DIAGRAM
drawing's title:

THR: 25332-CC05-E004A = KC-65VG2

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JOB : 2F11 dwg. 2F11-85-090 sheet 04

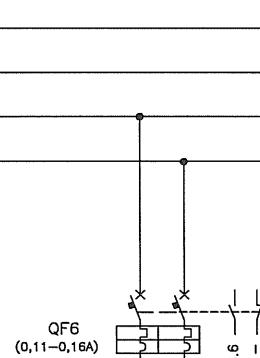
05 n.sh

It. DIN 6771/Teil 5 1

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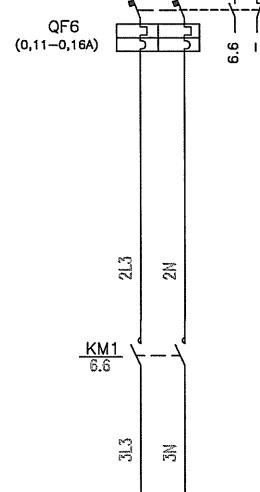
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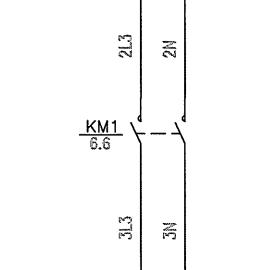
1L1
1L2
1L3
1N

WIC-65.2
0-20mA CONTROL SIGNAL
FROM FEEDER
CONTR.UNIT MOD.3105F

B

1L1
1L2
1L3
1N

C

1L1
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1L3
1N

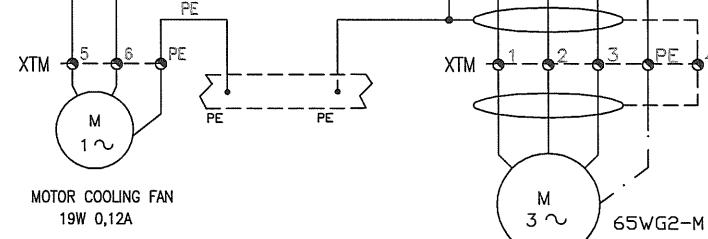
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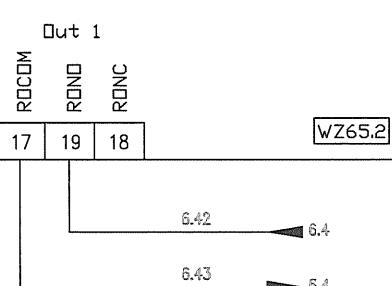
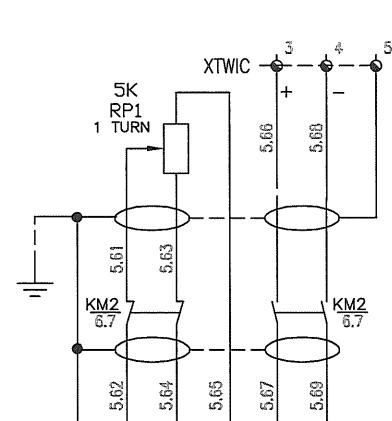
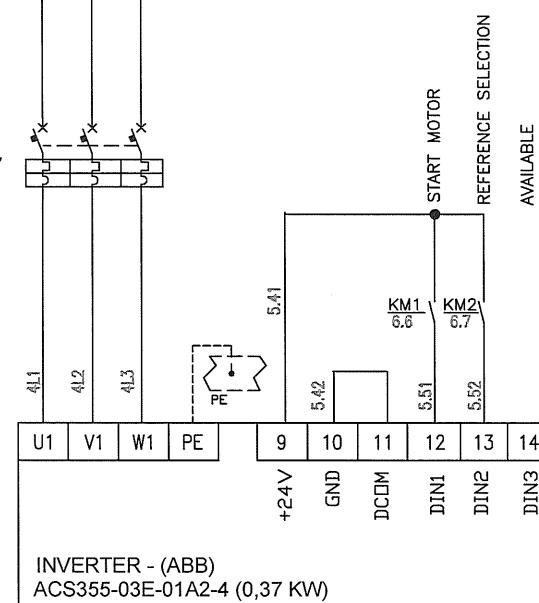
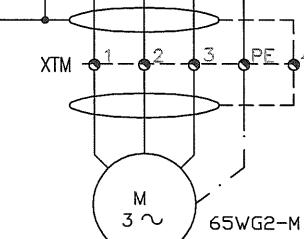
E

1L1
1L2
1L3
1N

MOTOR COOLING FAN
19W 0,12A



WEIGHFEEDER MOTOR
0,25KW 0,78A



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SABIZ PLANT

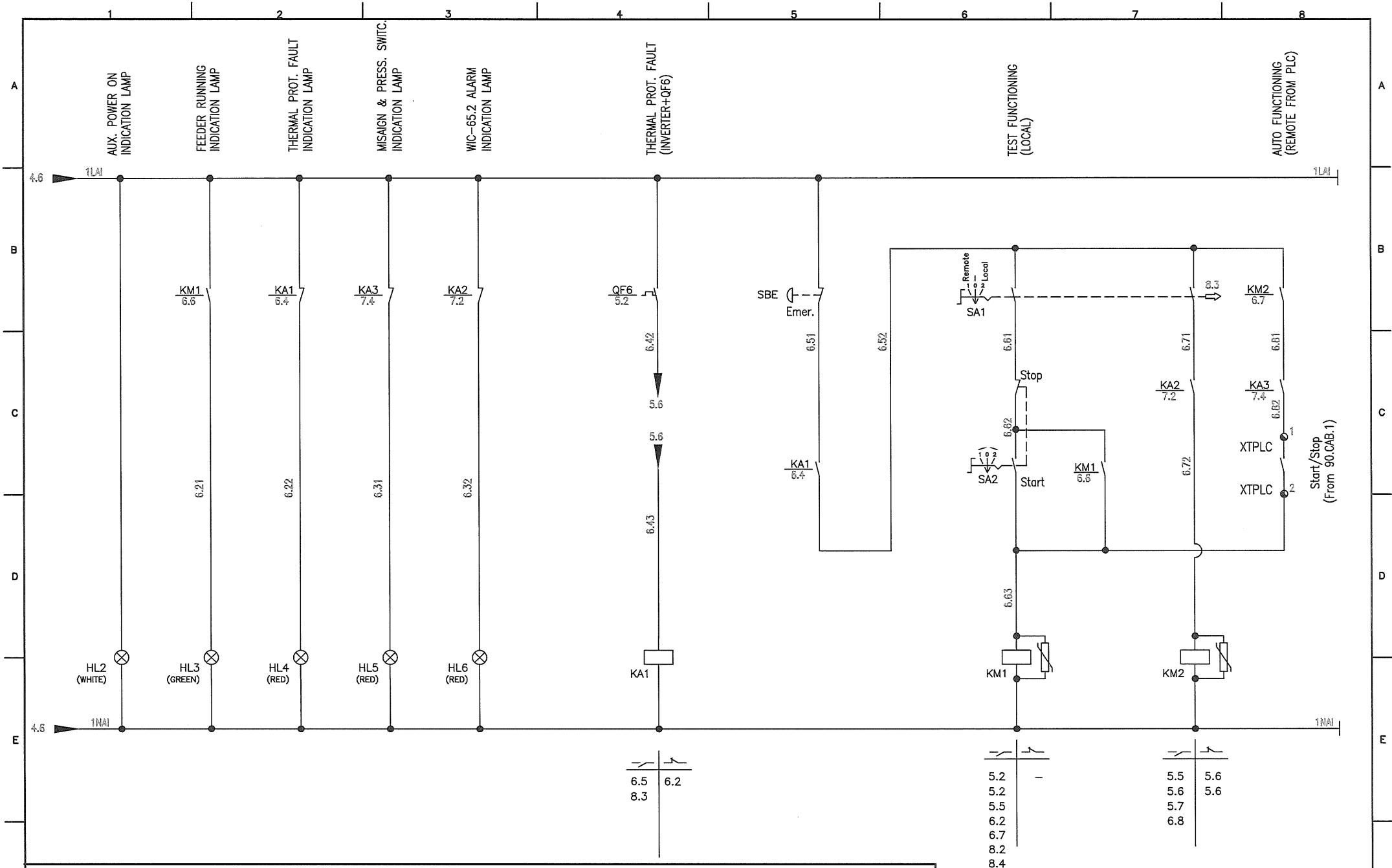


WIRING DIAGRAM
drawing's title:
THR: 25332-CC05-E005A
JOB : 2F11

= KC-65WG2
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dwg. 2F11-85-090
sheet 05
06 n.sh

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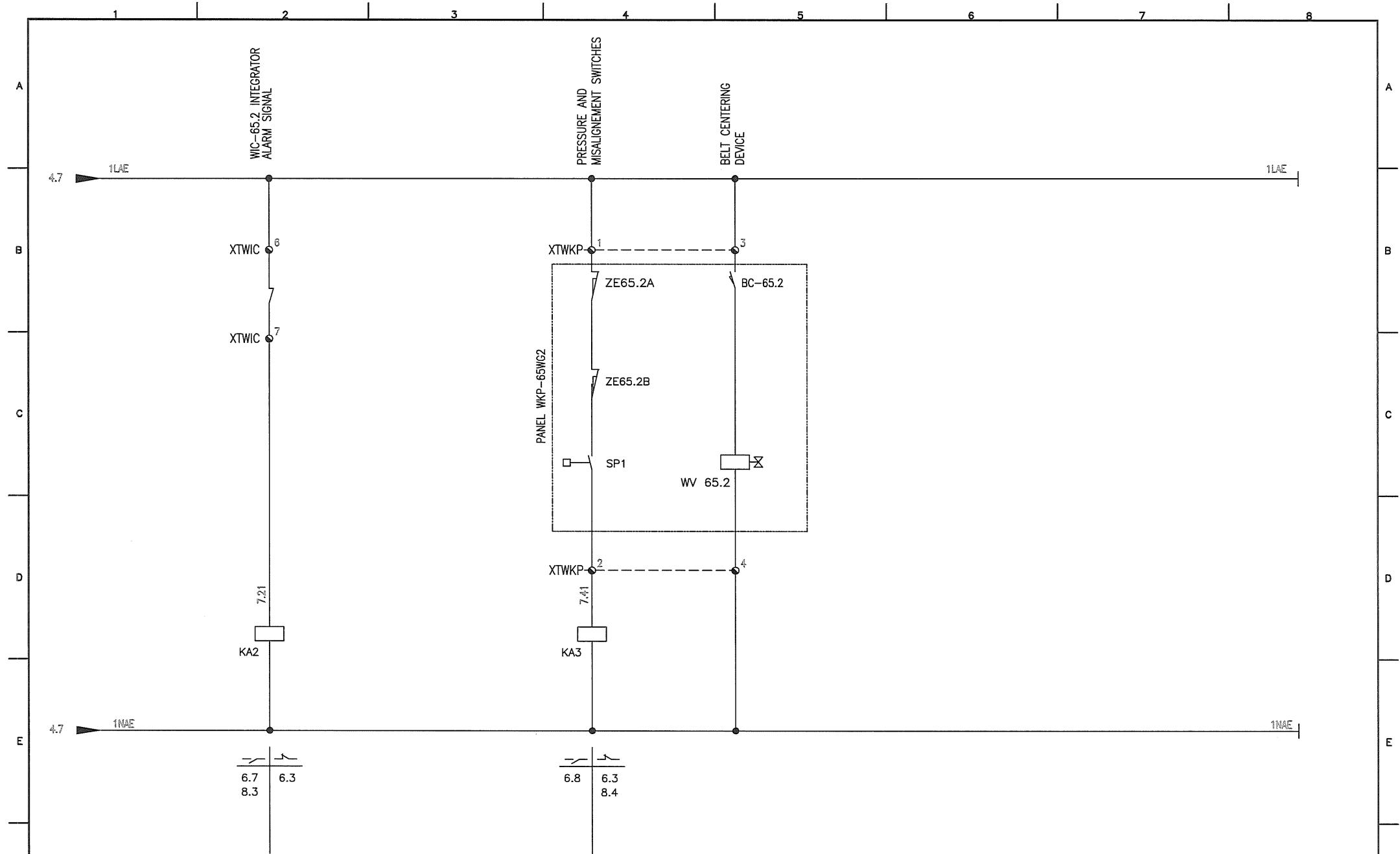
UNI A3	1	UPDATE AFTER TEST	D.C.	11-09-12
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SABIZ PLANT



WIRING DIAGRA
drawing's title:

THR: 25332-CC05-E006A		= KC-65WG2
		+
JOB : 2F11		sheet 06
dwg. 2F11-85-090		07 n.sh
6	7	8



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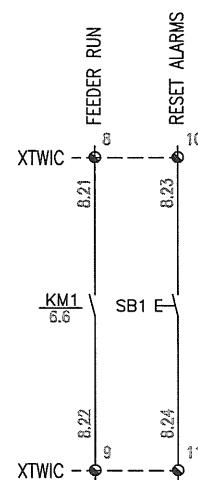
UNI A3			
1	UPDATE AFTER TEST	D.C.	11-09-12
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SABIZ PLANT

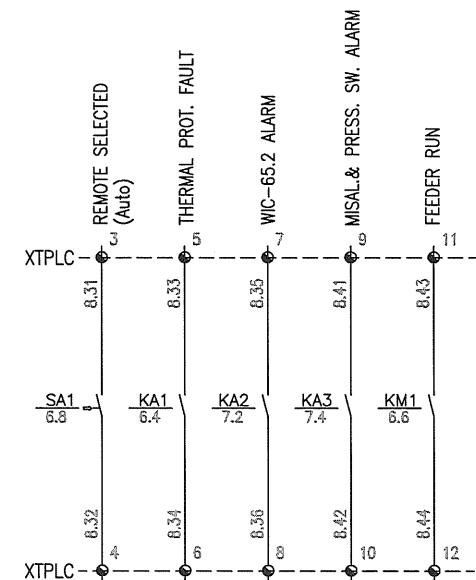


WIRING DIAGRAM
drawing's title:

THR: 25332-CC05-E007A
= KC-65WG2
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JOB : 2F11 dwg. 2F11-85-090 sheet 07
n.sh



SIGNAL TO WIC-65.2
INTEGRATOR UNIT



I/O SIGNALS TO 90.CAB.1

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SABIZ PLANT



WIRING DIAGRAM
drawing's title:

THR: 25332-CC05-E008A

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JOB : 2F11 dwg. 2F11-85-090

sheet 08
09 n.sh

Cavo Nr. Cable Nr.	Tipo Type	Identificazione morsettiera / designation group strip		Terminale Terminal	ORIGINE Destination mark Identif. collegamento Designation group	Morsetto Nr. Terminal Nr.	Morsettiera Fish plate c.	Terminale Terminal
		DESTINAZIONE Destination mark Apparecchiatura Designation group	XTWP					
		POWER SUPPLY 415V 65Hz 3Ph+N+PE	O L1 O L2 O L3 O N O PE —		LAW NAW PE —			
		INSTR. POWER SUPPLY 110VAC 50Hz	O 1 O 2 O 3 O 4 O PE —	U1	V1 W1 SHIELD N3 PE —			
		TO WEIGHFEEDER MOTOR	O 5 O 6 O 7 O 8 O 9 O 10	3L3 N3 7.21 8.21 8.22 8.23	1LAW 1NAW PE — 1LAE 1LAE Spare Spare Spare Spare	XTWW	XTM	XTWIC
		TO WEIGHFEEDER FAN	O 11 O 12 O 13 O 14 O 15	8.24 12 Spare 13 Spare 14 Spare 15 Spare	XTWKP			
		TO WIC-65.2 INTEGRATOR POWER SUPPLY	O 1 O 2 O PE —	1LAW 1NAW PE —				
		TO WIC-65.2 INTEGRATOR ANALOG SIGNALS	O 3 O 4 O 5	5.66 5.68 SHIELD				
		TO WIC-65.2 INTEGRATOR DIGITAL SIGNALS	O 6 O 7 O 8 O 9 O 10 O 11	1LAE 7.21 8.21 8.22 8.23 8.24				
		TO WKP-65WG2 PNEUMATIC PANEL	O 1 O 2 O 3 O 4	1LAE 7.41 1NAE 1NAE				

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SABIZ PLANT



TERMINAL BLOCK
drawing's title:

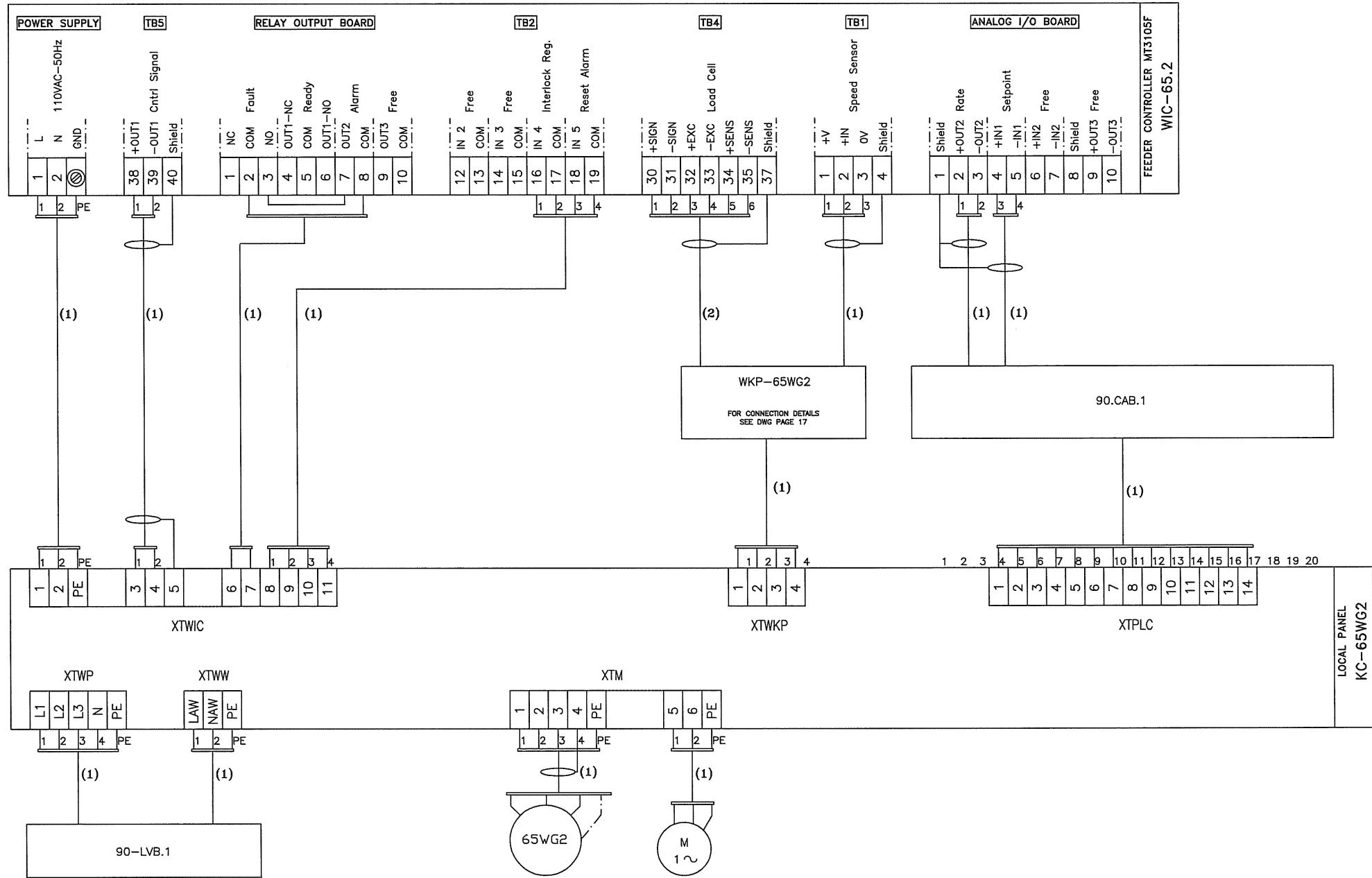
THR: 25332-CC05-E009A

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JOB : 2F11

sheet 09
dwg. 2F11-85-090
10 n.sh

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

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SABIZ PLANT



INTERCONNECTION
drawing's title:

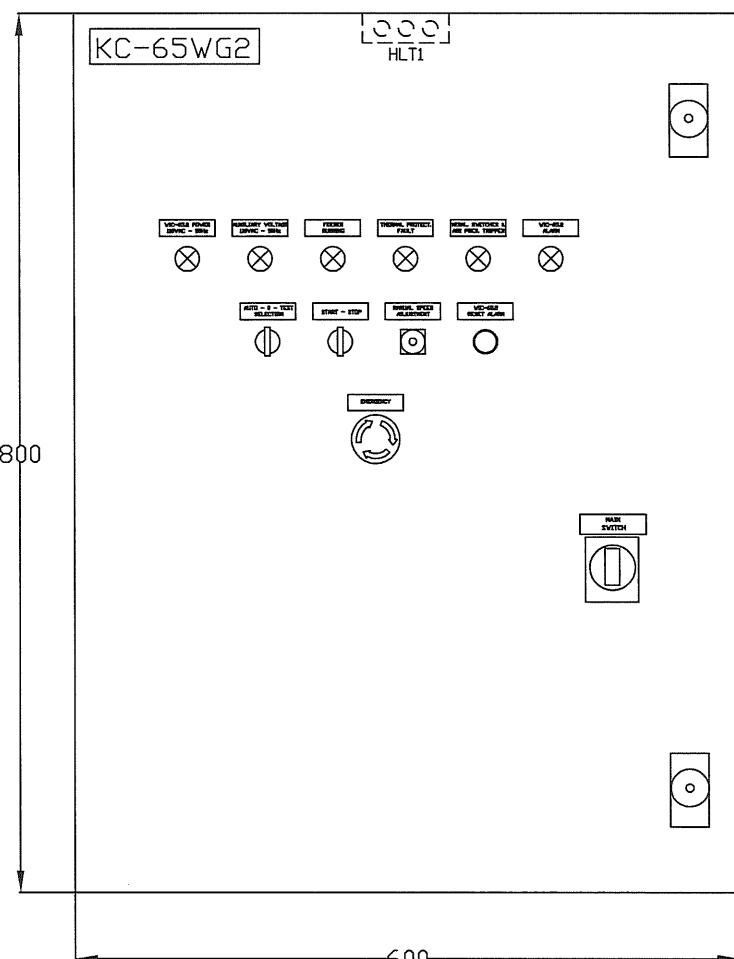
THR: 25332-CC05-E011A	= KC-65WG2
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JOB : 2F11	dwg. 2F11-85-090

sheet 11
12 n.sh

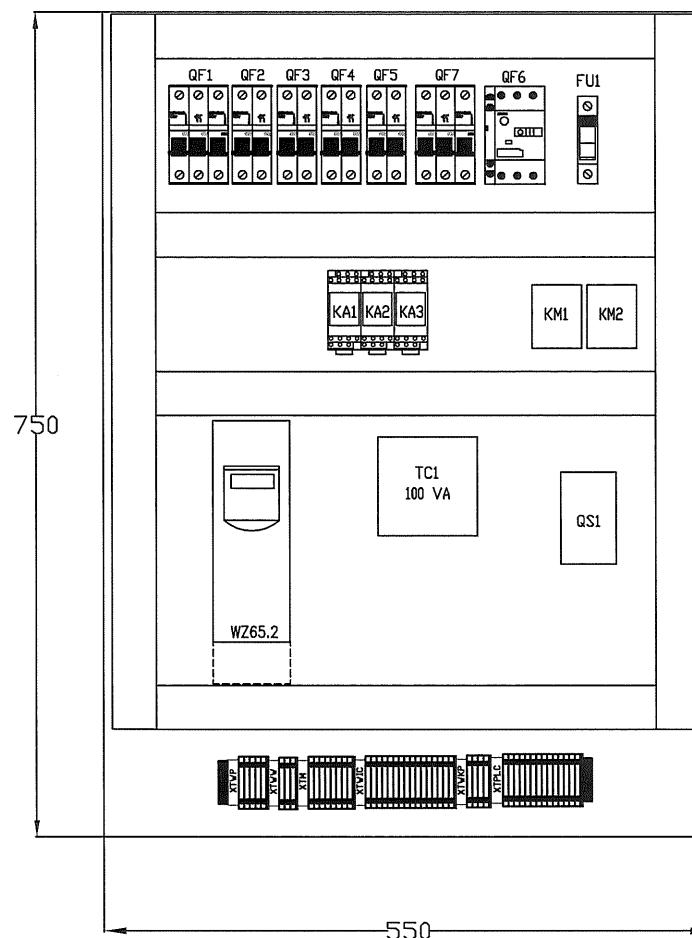
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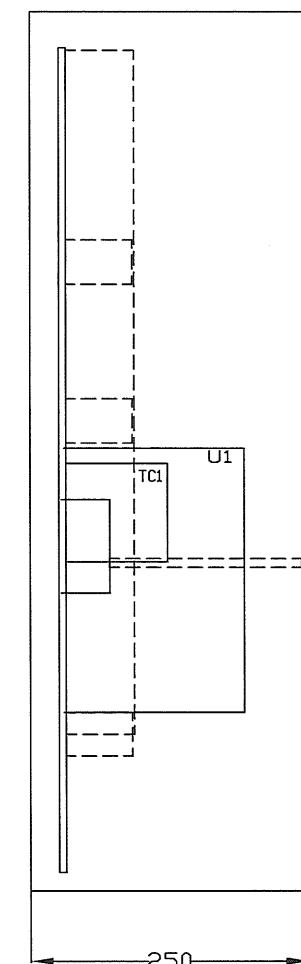
EXTERNAL VIEW



INTERNAL VIEW



SIDE VIEW



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SABIZ PLANT



TOPOGRAPHIC VIEW
drawing's title:

THR: 25332-CC05-E012A

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JOB : 2F11 dwg. 2F11-85-090

sheet 12
13 n.sh

1 2 3 4 5 6 7 8

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WIC 65.2 POWER
110VAC - 50HzAUXILIARY VOLTAGE
110VAC - 50 HzFEEDER
RUNNINGTHERMAL PROTECT.
FAULTMISAL. SWITCHES &
AIR PRES. TRIPPEDWIC-65.2
ALARM

HL1



HL2



HL3



HL4



HL5



HL6

AUTO - 0 - TEST
SELECTION

START - STOP

MANUAL SPEED
ADJUSTMENTWIC-65.2
RESET ALARM

SA1



SA2

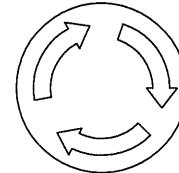


RP1



SB1

EMERGENCY



SBE

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UNI A3	1	UPDATE AFTER TEST	D.C.	11-09-12	SABIZ PLANT	4		LABELS drawing's title:	THR: 25332-CC05-E013A	= KC-65WG2
									+ .	
	0	ISSUE FOR CONSTRUCTION	D.M.	25-07-12					JOB : 2F11	dwg. 2F11-85-090
	rev.	Issue Description	Author	Date					sheet 13	14 n.sh

1 2 3 4 5 6 7 8

A

A

B

B

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C

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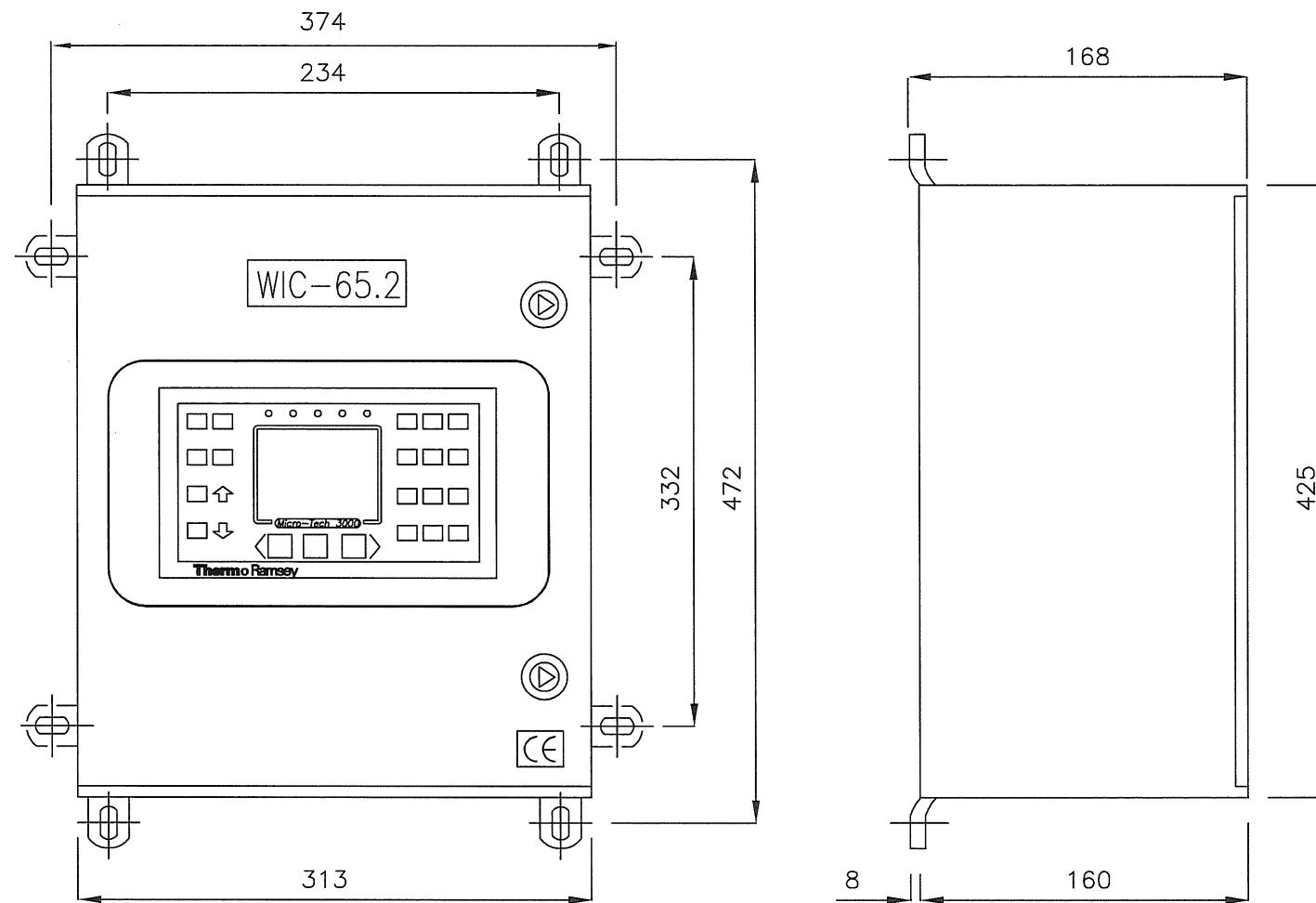
D

E

E

F

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SABIZ PLANT



WIC-65.2
TOPOGRAPHIC VIEW
drawing's title:

THR: 25332-CC05-E014A

= WIC-65.2
+ .

JOB : 2F11 dwg. 2F11-85-090

sheet 14
15 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 2,2/3,2A 1L+1R	3RV1011-1DA15	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 0,11-0,16A 1L+1R	3RV1011-OAA15	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 65.2	INVERTER ABB 0,37 Kw	ACS355-03E01A2-4	ABB	1					
WZ 65.2	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 2NO+2NC	3RH1911-1FA22	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					

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	Drawing supplier 25332-CC05-E015A	Rev. 1	Plant SABIZ				
	Drawing 2F11-85-090	Sheet 15	Drawing's title EQUIPMENT LIST	1	UPDATE AFTER TEST	DC	11/09/2012
				0	ISSUE FOR CONSTRUCTION	DM	25/07/2012
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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					
SB1	PUSHBUTTON BLACK	3SB3500-0AA11	SIEMENS	1					
SA1, SA2, SB1	CONTACT 1 NO	3SB3400-0B	SIEMENS	5					
SBE, SA2	CONTACT 1 NC	3SB3400-0C	SIEMENS	2					
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	45					
XT..	GROUND TERMINAL 4 mmq		SIEMENS	5					
-	SET OF LABELS	DWG. 2F11-85-089 Sheet 13	-	1					
KC-65WG2	CABINET 800(H)x600(W)x250(D)	NSYS 3D8625P	SCHNEIDER	1					

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	Drawing supplier 25332-CC05-E016A	Rev. 1	Plant SABIZ					
 desmet ballestra	Drawing 2F11-85-090	Sheet 16	Drawing's title EQUIPMENT LIST	1	UPDATE AFTER TEST	DC	11/09/2012	
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				Revision	Issue description	Author	Date	

1 2 3 4 5 6 7 8

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B

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C

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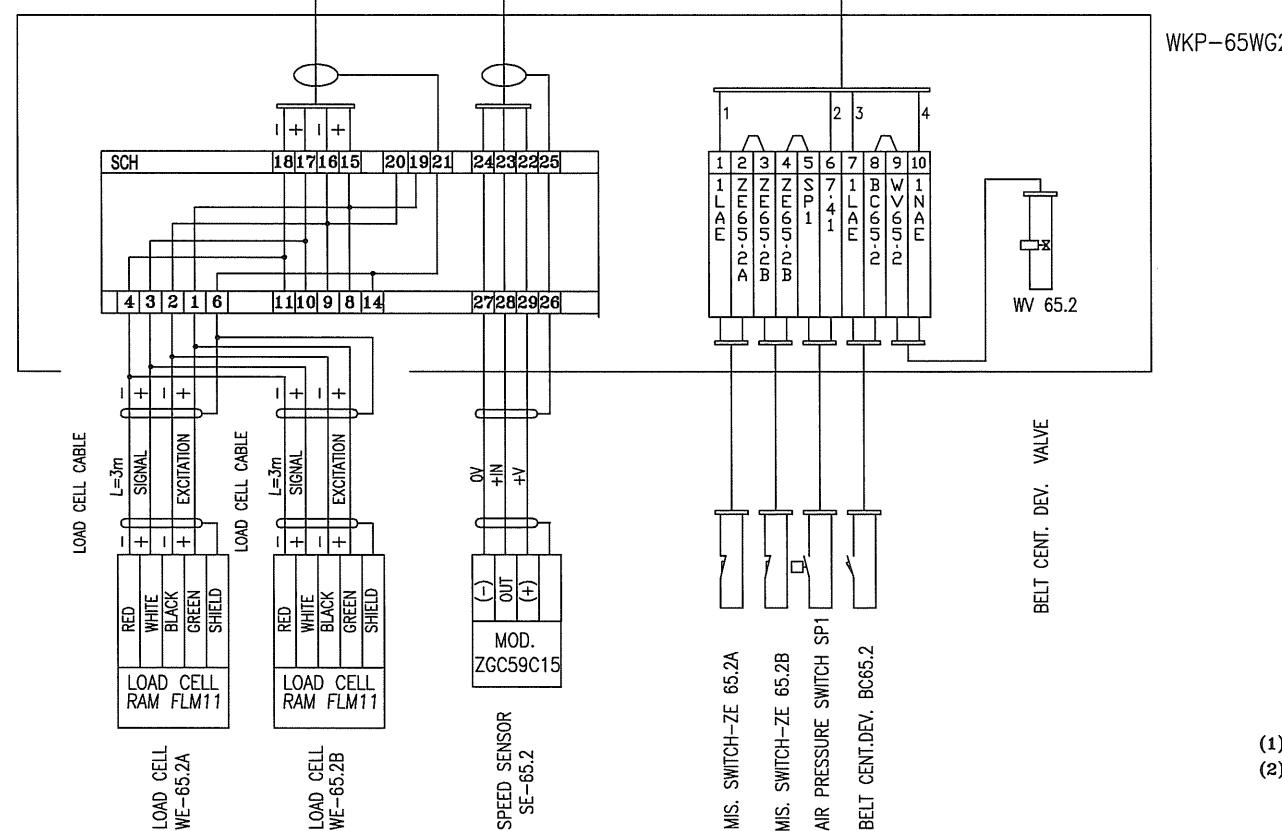
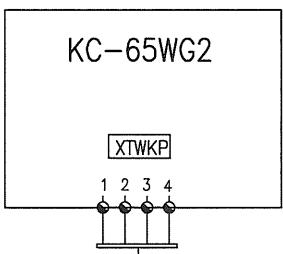
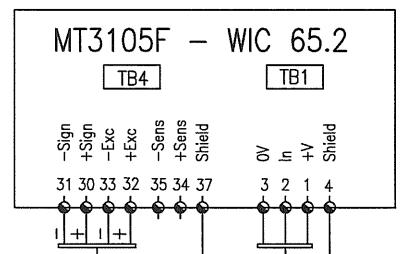
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(1) Cable supply by Ballestra
(2) Cable supply by Ramsey

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UNI A3				SABIZ PLANT		WKP-65WG2 ELECTRICAL AND PNEUMATIC JUNCTION BOX drawing's title:		THR: 25332-CC05-E017A		-					
1	UPDATE AFTER TEST	D.C.	11/09/2012												
0	ISSUE FOR CONSTRUCTION	D.M.	25/07/2012												
rev.	Issue Description	Author	Date					JOB : 2F11	dwg. 2F11-85-090	sheet 17	18 n.sh				

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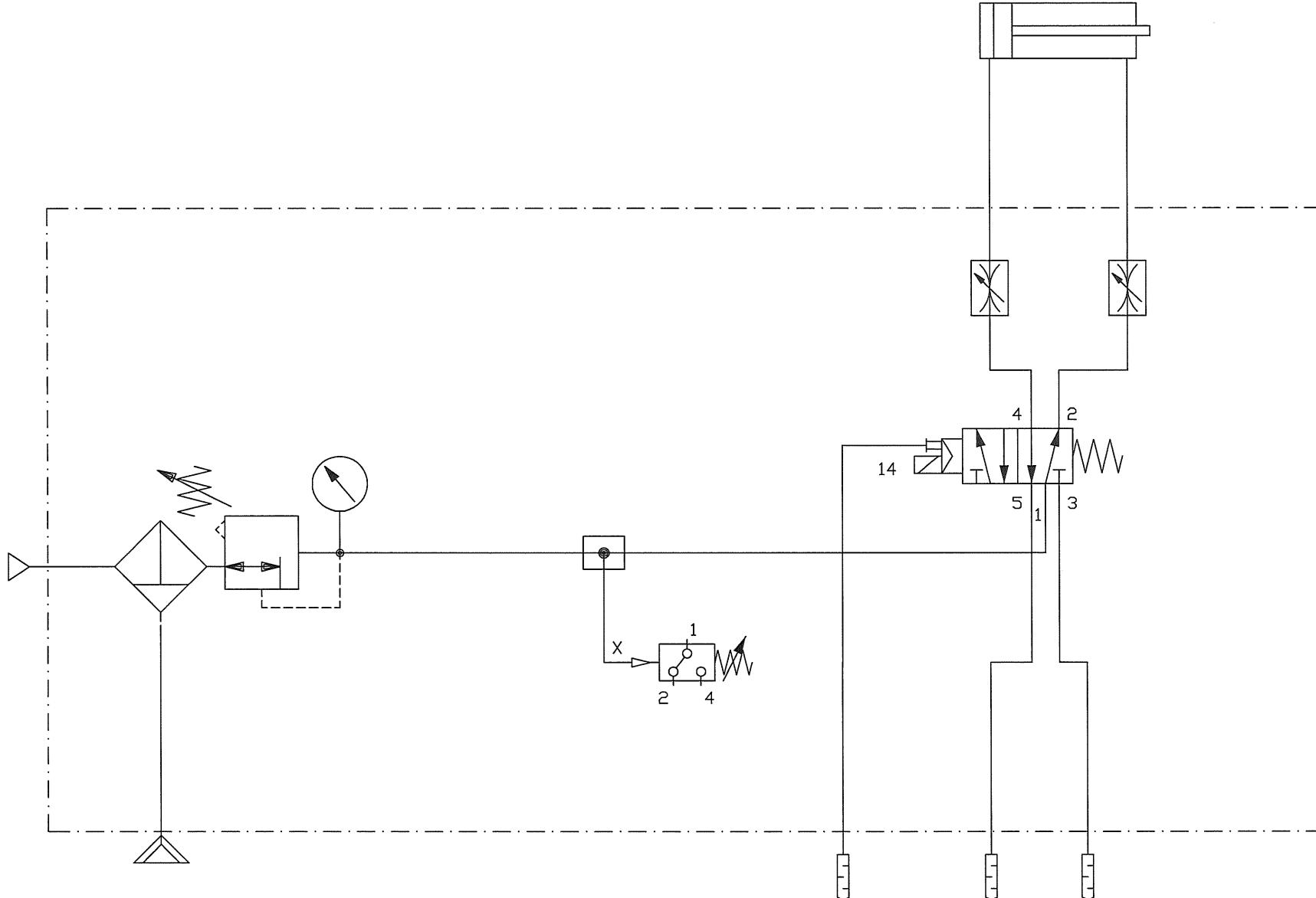
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1	UPDATE AFTER TEST	D.C.	11/09/2012
0	ISSUE FOR CONSTRUCTION	D.M.	25/07/2012
rev.	Issue Description	Author	Date

SABIZ PLANT



WKP-65WG2
 ELECTRICAL AND PNEUMATIC
 JUNCTION BOX
 drawing's title:

THR: 25332-CC05-E018A

JOB : 2F11 dwg. 2F11-85-090

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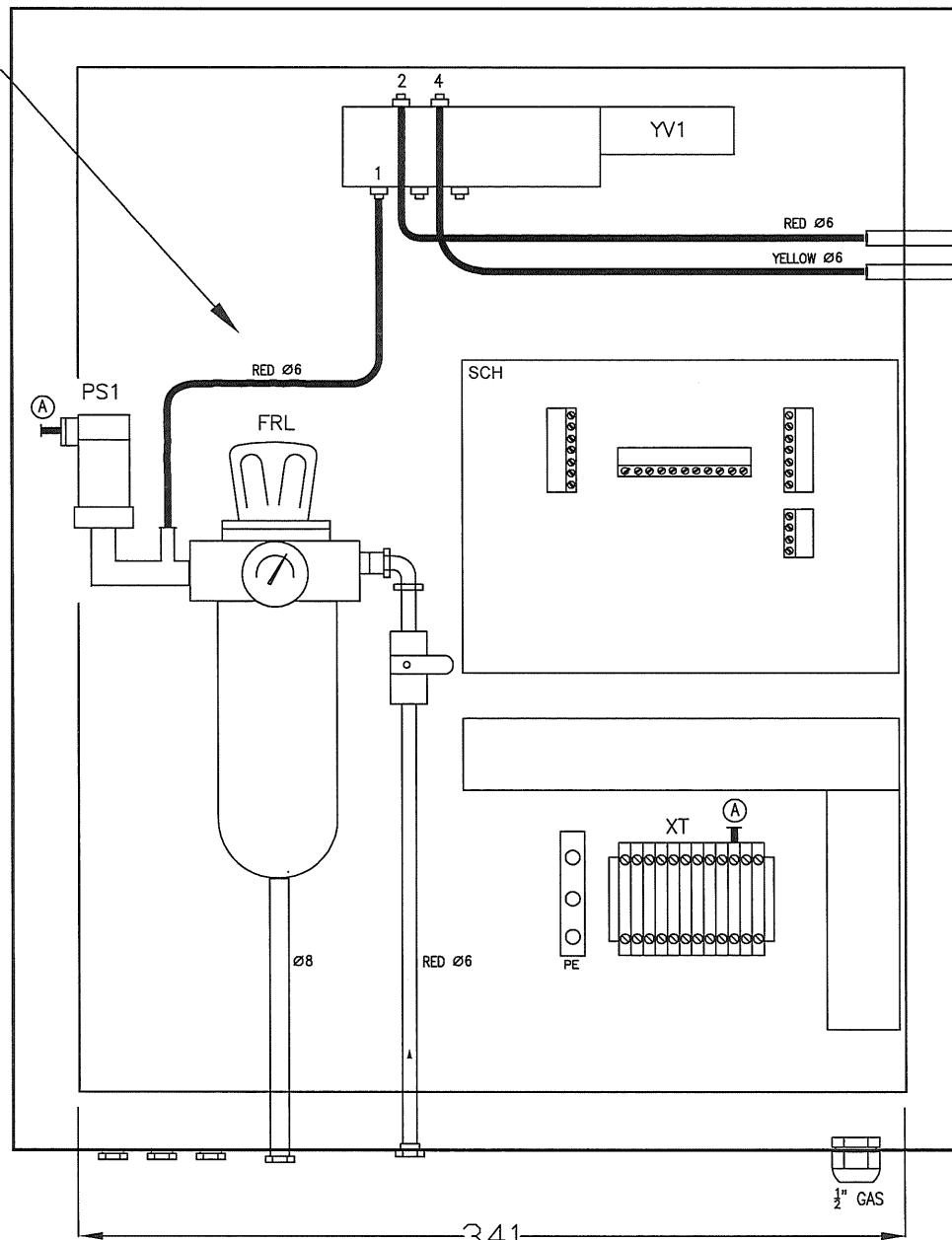
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Internal Plate



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UNI A3			
1	UPDATE AFTER TEST	DC	11/09/2012
0	ISSUE FOR CONSTRUCTION	DM	25/07/2012
rev.	Issue Description	Author	Date

SABIZ PLANT



WKP-65WG2
 INTERNAL VIEW FOR
 PNEUMATIC BOX
 drawing's title:

THR: 25332-CC05-E019A

JOB : 2F11 dwg. 2F11-85-090

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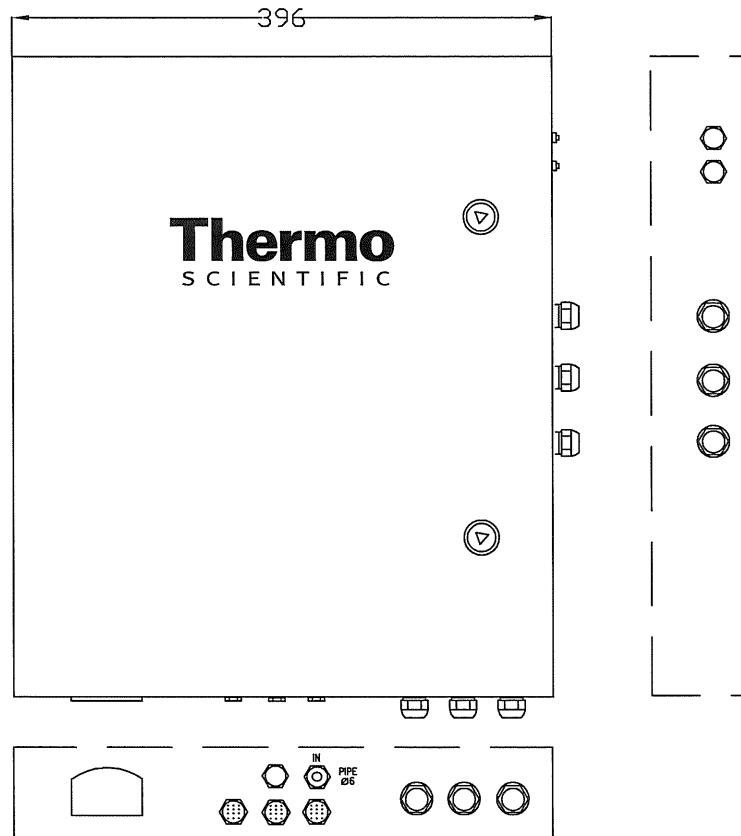
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UNI A3	1	UPDATE AFTER TEST	DC	11/09/2012
	0	ISSUE FOR CONSTRUCTION	DM	25/07/2012
rev.	Issue Description	Author	Date	
It. DIN 6771/Teil 5	1	2	3	4

SABIZ PLANT



WKP-65WG2
TOPOGRAPHIC VIEW FOR
PNEUMATIC BOX
drawing's title:

THR: 25332-CC05-E020A

JOB : 2F11 dwg. 2F11-85-090

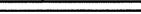
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ELECTRICAL EQUIPMENT LIST

SCHEMATIC WIRING DIAGRAM

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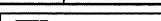
	Drawing supplier 25332-CC05-E021A	Rev. 1	Plant SABIZ PLANT				
	Drawing 2F11-85-090	Sheet 21	Drawing's title ELECTRICAL EQUIPMENT LIST	1 0	UPDATE AFTER TEST ISSUE FOR CONSTRUCTION	DC DM	11/09/2012 25/07/2012
		Next 22		Revision	Issue description	Author	Date

PNEUMATICAL EQUIPMENT LIST

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 Thermo SCIENTIFIC Thermo Fisher Scientific - Strada delle Rose, 16/17 - Pistoia (PI)	Drawing supplier 25332-CC05-E022A	Rev. 1	Plant SABIZ PLANT				
 desmet ballestra	Drawing 2E50-85-090	Sheet 22	Drawing's title PNEUMATICAL EQUIPMENT LIST	1 0	UPDATE AFTER TEST ISSUE FOR CONSTRUCTION	DC DM	11/09/2012 25/07/2012
	Next -			Revision	Issue description	Author	Date