

JOB: 2F11

SABIZ PLANT

LOSS IN WEIGHT SYSTEM ITEM: 65WG7

DESMET BALLESTRA SUPPLY

LOCAL CONTROL PANEL: KC-65WG7

LIW FEEDER CONTROLLER: WIC-65.7

PNEUMATIC BOX: WKP-65WG7

ELECTRICAL & PNEUMATICAL DOCUMENTATION

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

Thermo SCIENTIFIC Thermo Rancay Italia Srl-Strada Rivoltana km.5/7 - Rodano (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-CC08-E001A	Rev. 1					
 desmet ballestra	Drawing 2F11-85-091	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-65WG7 - WIRING DIAGRAM	x	x		
005	KC-65WG7 - WIRING DIAGRAM	x	x		
006	KC-65WG7 - WIRING DIAGRAM	x	x		
007	KC-65WG7 - WIRING DIAGRAM	x	x		
008	KC-65WG7 - WIRING DIAGRAM	x	x		
009	KC-65WG7 - TERMINAL BLOCK	x	x		
010	KC-65WG7 - TERMINAL BLOCK	x	x		
011	KC-65WG7 - INTERCONNECTION	x	x		
012	KC-65WG7 - TOPOGRAPHIC VIEW	x	x		
013	KC-65WG7 - LABELS	x	x		
014	WIC-65.7 - TOPOGRAPHIC VIEW	x	x		
015	KC-65WG7 - EQUIPMENT LIST	x	x		
016	KC-65WG7 - EQUIPMENT LIST	x	x		
017	WIC 65.7 & WKP-65WG7 - ON BOARD CONN.	x	x		
018	WKP-65WG7 - PNEUMATIC DIAGRAM	x	x		
019	WKP-65WG7 - INTERNAL VIEW	x	x		
020	WKP-65WG7 - EXTERNAL VIEW	x	x		
021	WKP-65WG7 - ELECTR. EQUIPMENT LIST	x	x		
022	WKP-65WG7 - PNEUM. EQUIPMENT LIST	x	x		
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Sheet	Revisions				
	Description	0	1	2	3
046					
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	Drawing supplier 25332-CC08-E002A	Rev. 1	Plant SABIZ				
	Drawing 2F11-85-091	Sheet 2	Drawing's title INDEX	1	UPDATE AFTER TEST	DC	11/09/2012
				0	ISSUE FOR CONSTRUCTION	DM	06/08/2012
		Next 3		Revision	Issue description	Author	Date

1 2 3 4 5 6 7 8

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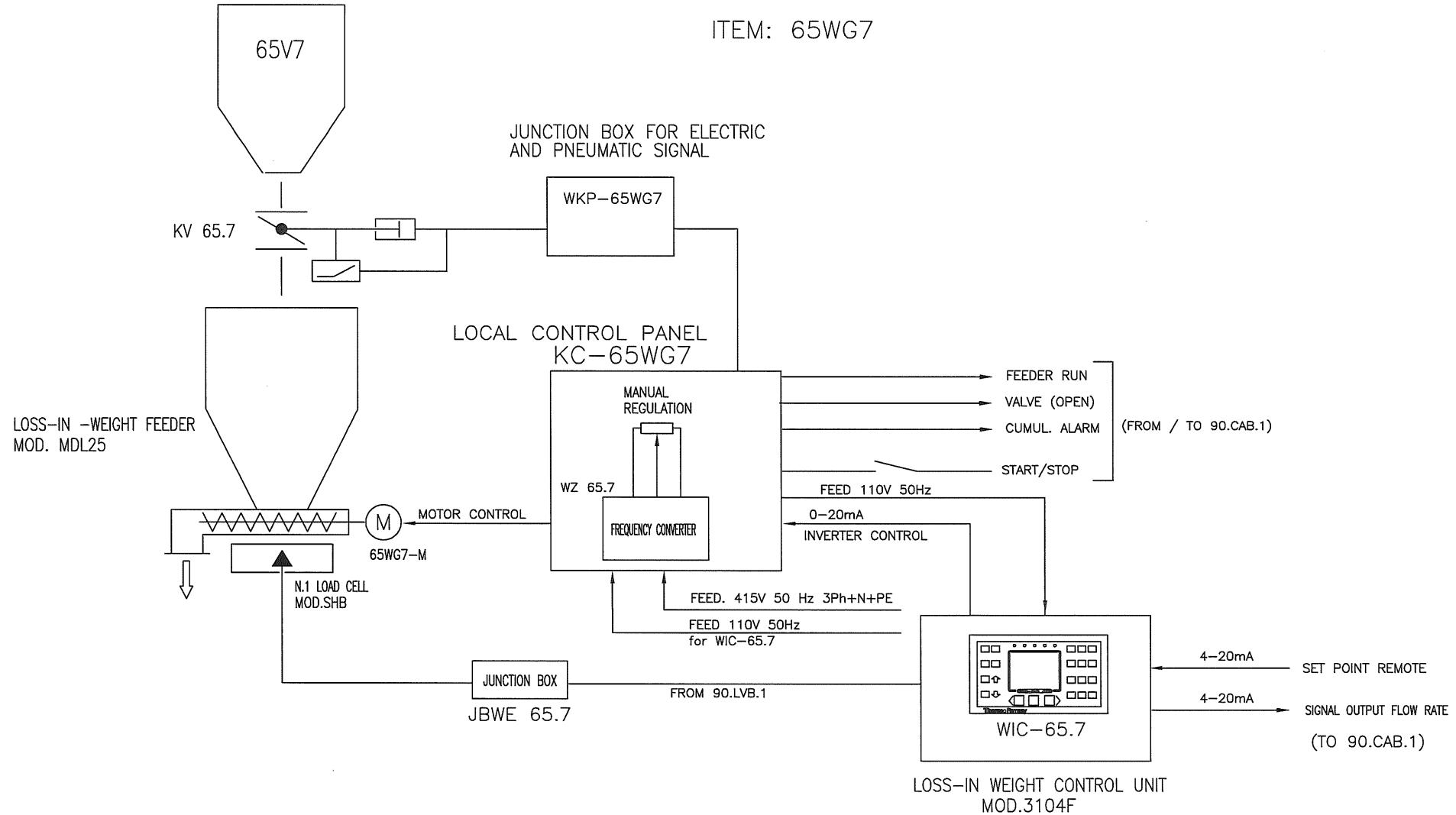
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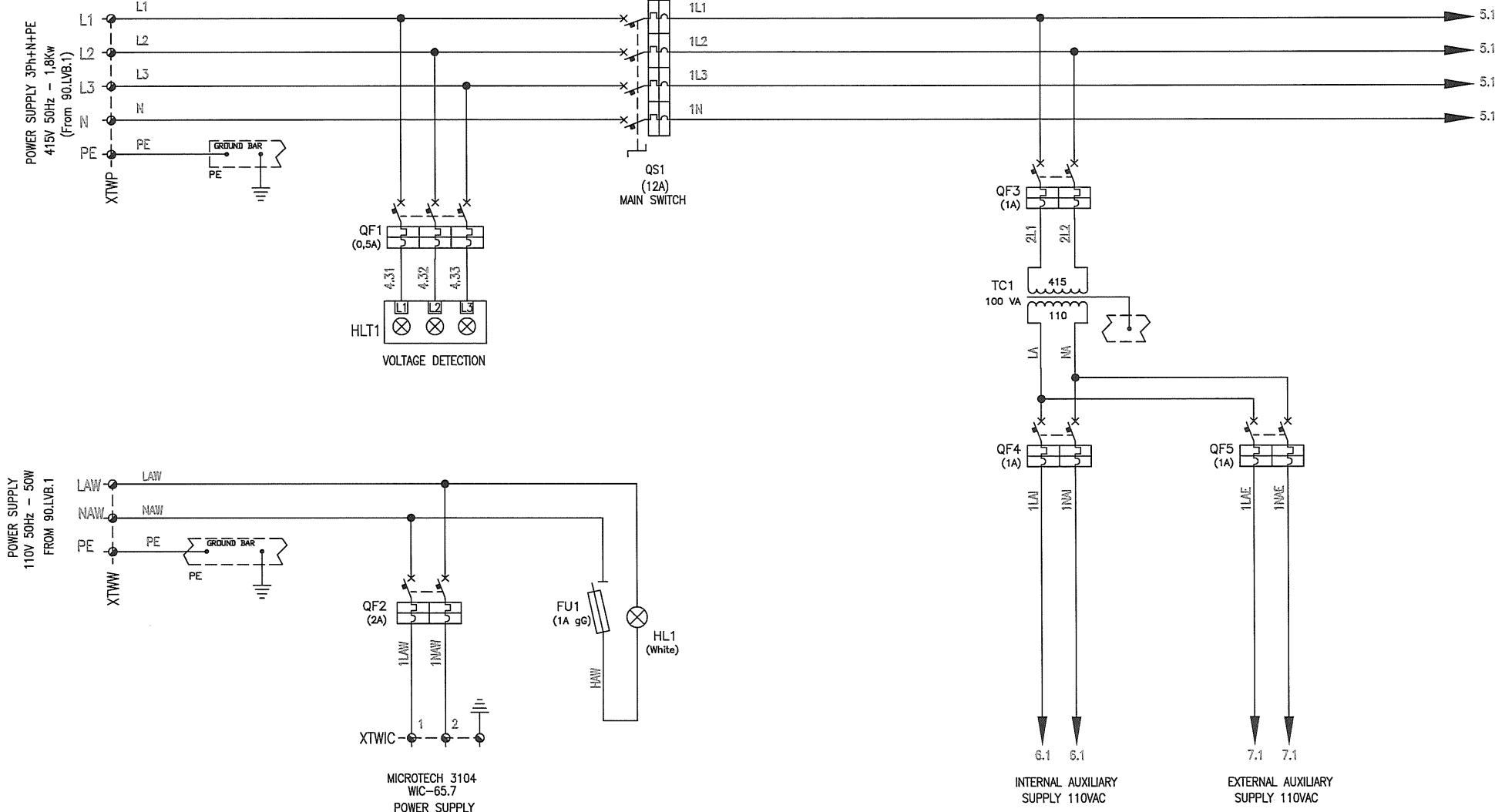
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1	UPDATE AFTER TEST	D.C.	11-09-12	SABIZ PLANT	BLOCK DIAGRAM drawing's title: 	THR: 25332-CC08-E003A	KC-64WG2
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12			+	.
rev.	Issue Description	Author	Date			JOB : 2F11	dwg. 2F11-85-091
UNI A3	It. DIN 6771/Teil 5 1	2	3	4	5	6	7 8 sheet 03 04 n.sh



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1	UPDATE AFTER TEST	D.C.	11-09-12
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12

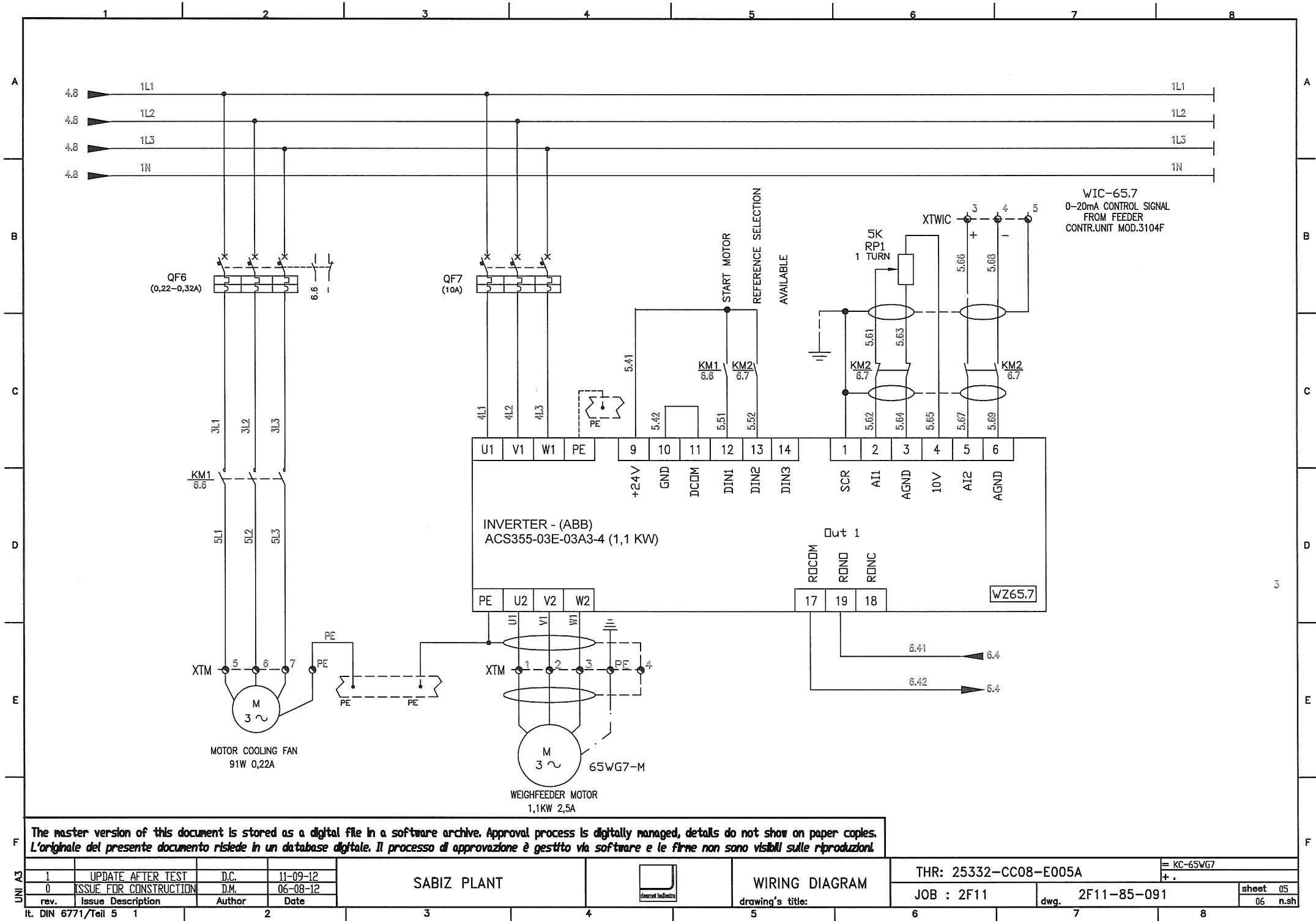
It. DIN 6771/Teil 5 1 2 3 4 5 6 7 8

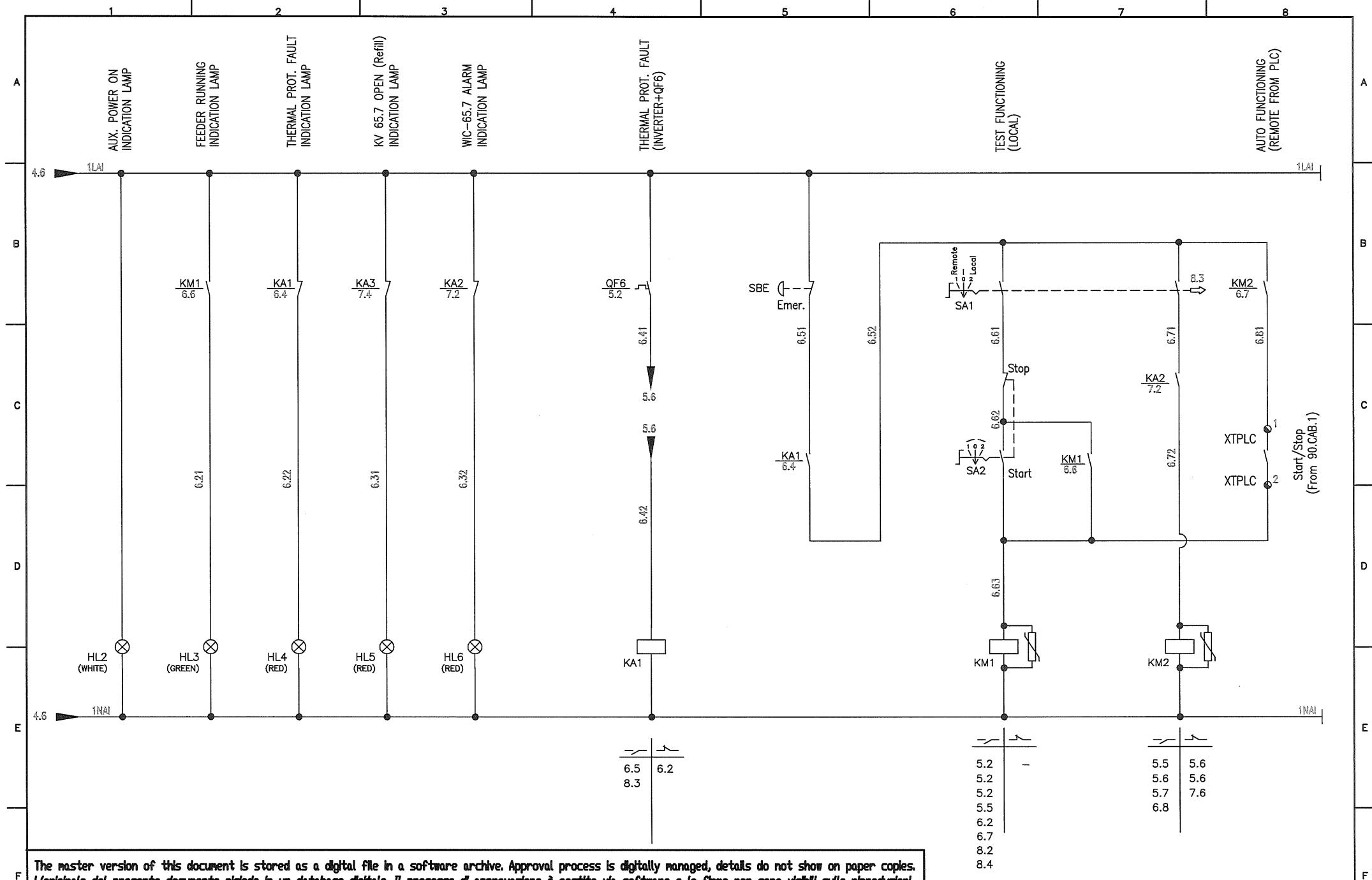
SABIZ PLANT



WIRING DIAGRAM
drawing's title:

THR: 25332-CC08-E004A = KC-65VG7
JOB : 2F11 dwg. 2F11-85-091 sheet 04
05 n.sh





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1	UPDATE AFTER TEST	D.C.	11-09-12
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12

SABIZ PLANT

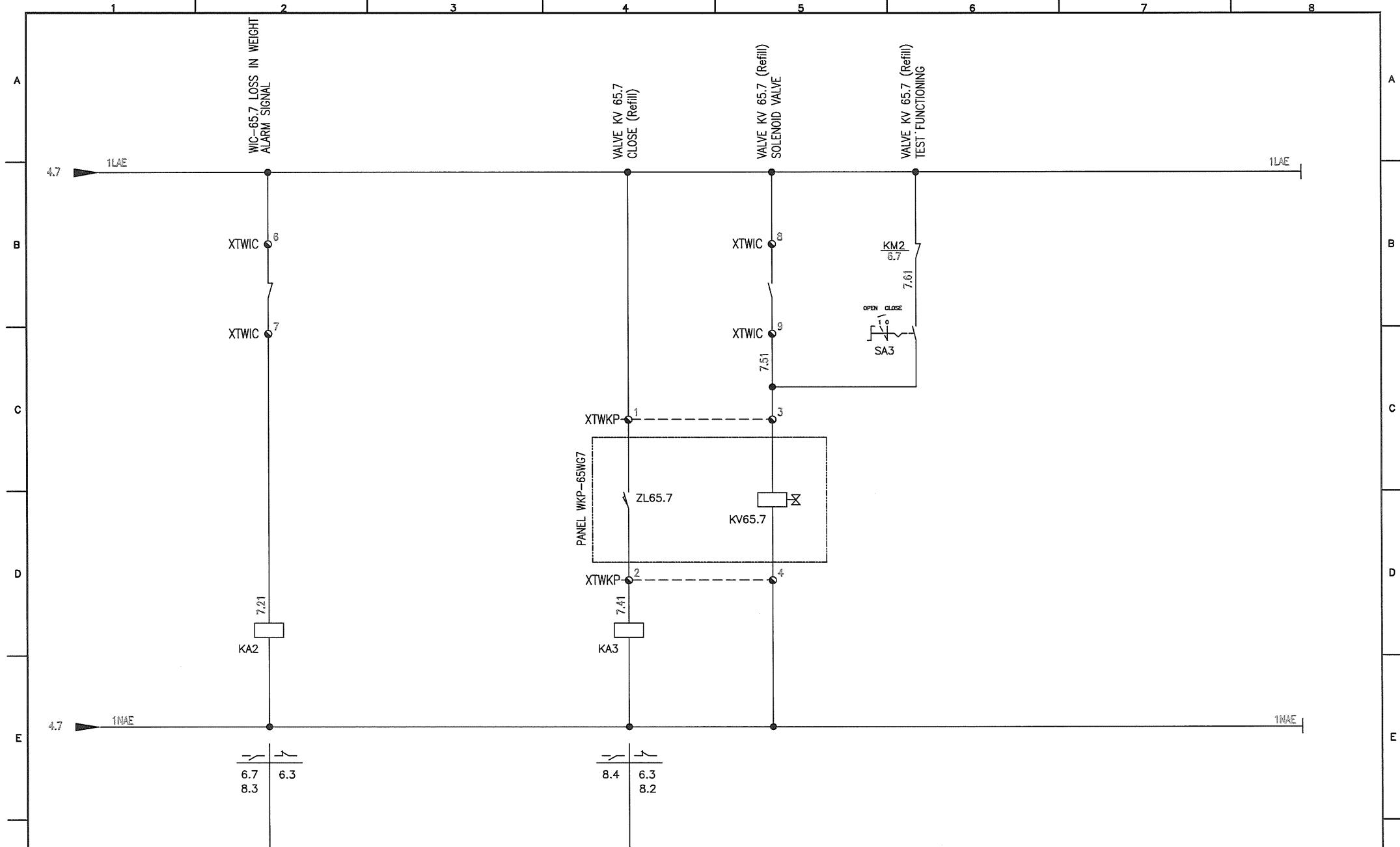
It. DIN 6771/Tell 5 1



WIRING DIAGRAM
drawing's title:

THR: 25332-CC08-E007A	= KC-65VG7
JOB : 2F11	dwg. 2F11-85-091

sheet 06
07 n.sh



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



WIRING DIAGRAM
drawing's title:

THR: 25332-CC08-E007A

= KC-65WG7
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JOB : 2F11

dwg. 2F11-85-091

sheet 07
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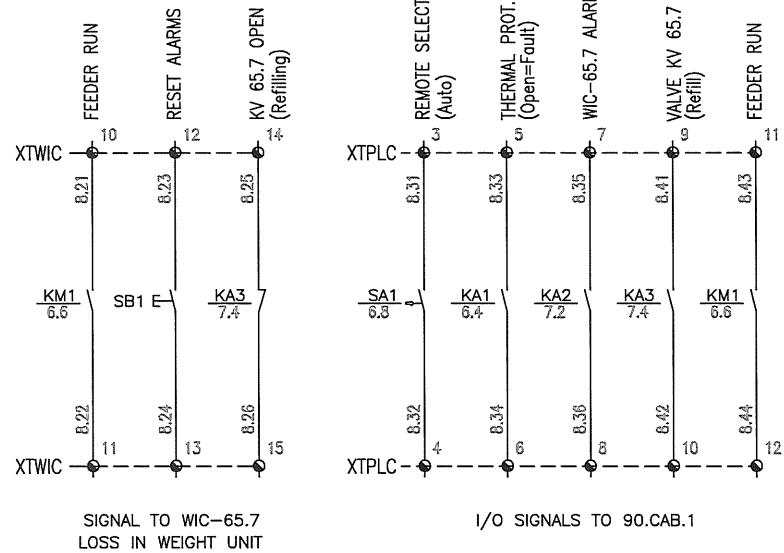
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UNI A3					
1	UPDATE AFTER TEST	D.C.	11-09-12		
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12		
rev.	Issue Description	Author	Date		

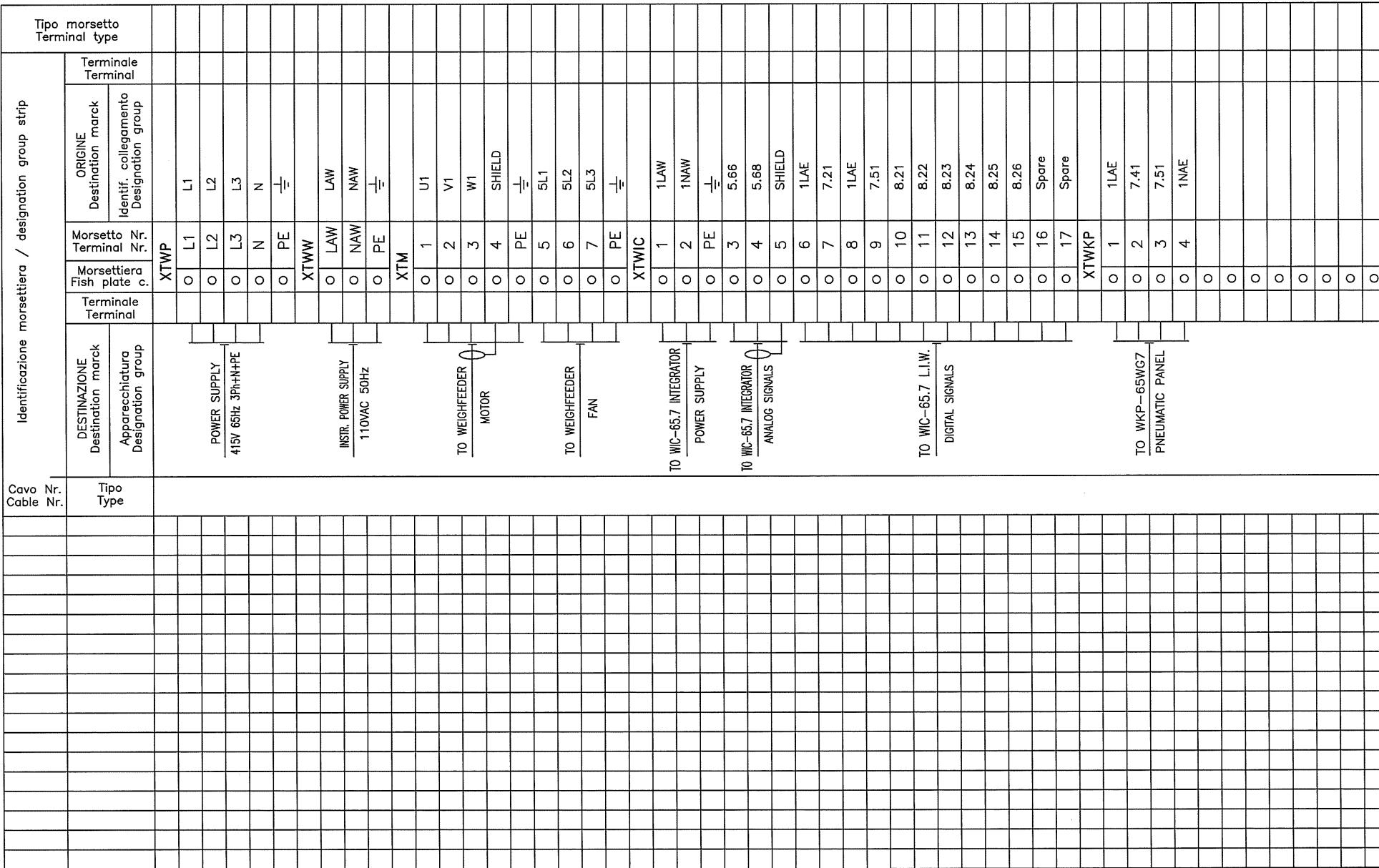
It. DIN 6771/Tell 5 1 2 2 3 4 5 6 7 8

SABIZ PLANT



WIRING DIAGRAM
drawing's title:

THR: 25332-CC08-E008A = KC-65WG7
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JOB : 2F11 dwg. 2F11-85-091 sheet 08
Date: 09.n.sh



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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
It.	DIN 67711/Teil	5 1		2

SABIZ PLANT



TERMINAL BLOCK

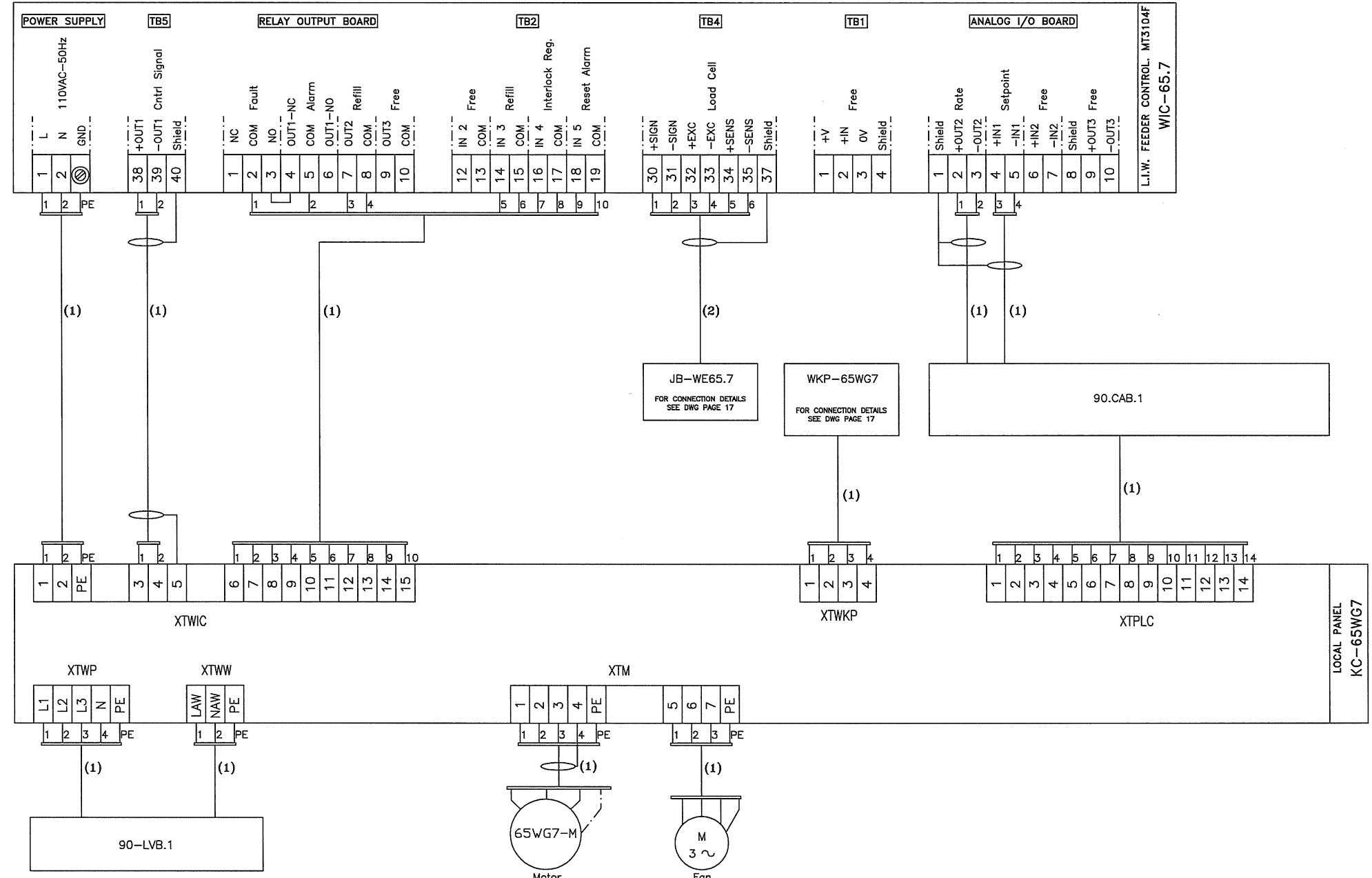
THR: 25332-CC08-E009A

= KC-65WG7
+ .

JOB : 2F11 dwg. 2F11-85-091

sheet 09
10 n.sh

Tipo morsetto Terminal type															
Identificazione morsettiera / designation group strip	Terminale Terminal	ORIGINE Destination mark		Identif. collegamento Designation group											
		Morsetto Nr. Terminal Nr.		Morsettiera Fish plate c.											
		XTPLC													
		○	1	6.81											
		○	2	6.63											
DESTINAZIONE Destination mark		○	3	8.31											
Apparecchiatura Designation group		○	4	8.32											
Morsetto Nr. Terminal Nr.		○	5	8.33											
Morsettiera Fish plate c.		○	6	8.34											
Terminale Terminal		○	7	8.35											
FROM/TO 90.CAB.1 I/O SIGNALS		○	8	8.36											
		○	9	8.41											
		○	10	8.42											
		○	11	8.43											
		○	12	8.44											
		○	13	Spare											
		○	14	Spare											



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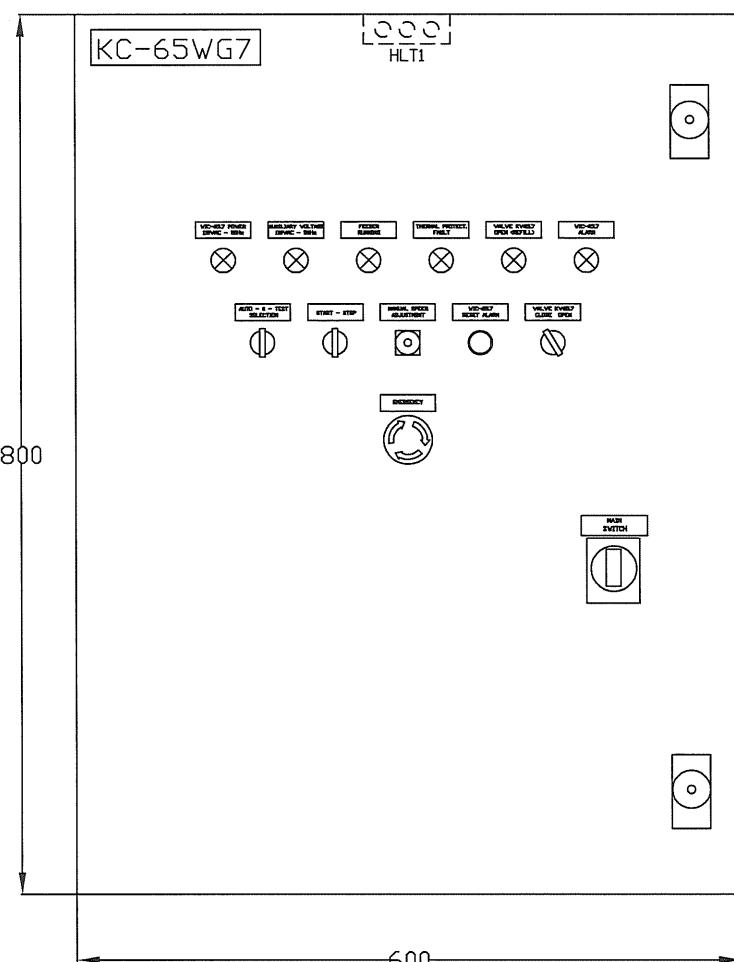
(1) Cable supply by Ballestra (2) Cable supply by Ramsey

UNI A3	SABIZ PLANT			INTERCONNECTION drawing's title:	THR: 25332-CC08-E011A JOB : 2F11	dwg. 2F11-85-091	KC-65WG7
	1	UPDATE AFTER TEST	D.C.	11-09-12	+	sheet 11	I2 n.sh
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12				
rev.	Issue Description	Author	Date				

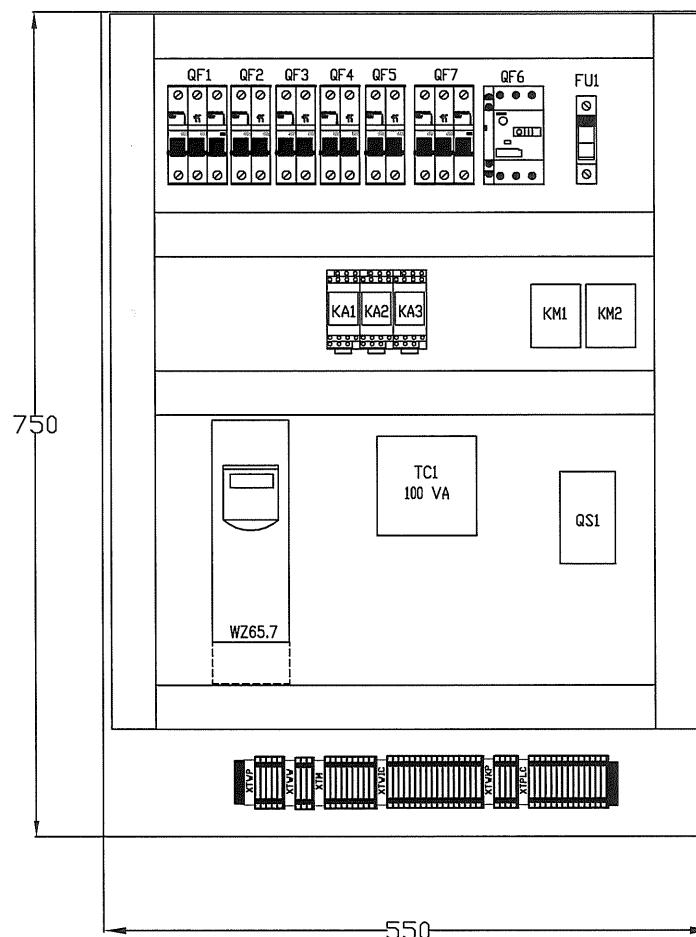
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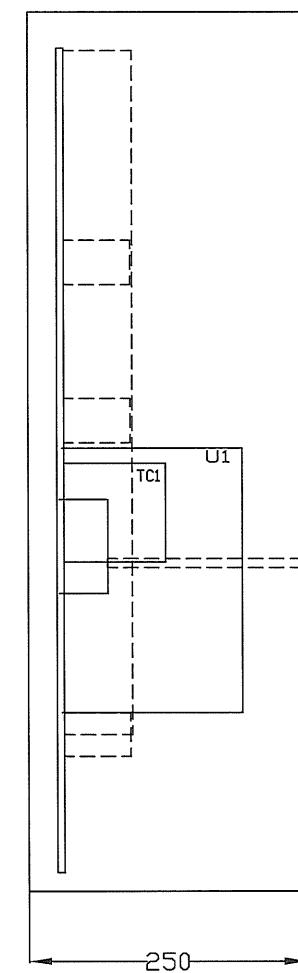
EXTERNAL VIEW



INTERNAL VIEW



SIDE VIEW



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1	UPDATE AFTER TEST	D.C.	11-09-12
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12
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SABIZ PLANT



TOPOGRAPHIC VIEW
drawing's title:

THR: 25332-CC08-E012A	= KC-65WG7
+	.
JOB : 2F11	dwg. 2F11-85-091
sheet 12	13 n.sh

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WIC 65.7 POWER
110VAC - 50HzAUXILIARY VOLTAGE
110VAC - 50 HzFEEDER
RUNNINGTHERMAL PROTECT,
FAULTVALVE KV65.7
OPEN (REFILL)WIC-65.7
ALARM

HL1



HL2



HL3



HL4



HL5



HL6

AUTO - 0 - TEST
SELECTION

START - STOP

MANUAL SPEED
ADJUSTMENTWIC-65.7
RESET ALARMVALVE KV65.7
CLOSE OPEN

SA1



SA2



RP1

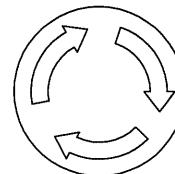


SB1



SA3

EMERGENCY



SBE

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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



LABELS

drawing's title:

THR: 25332-CC08-E013A

= KC-65WG7

+

JOB : 2F11

dwg. 2F11-85-091

sheet 13

14 n.sh

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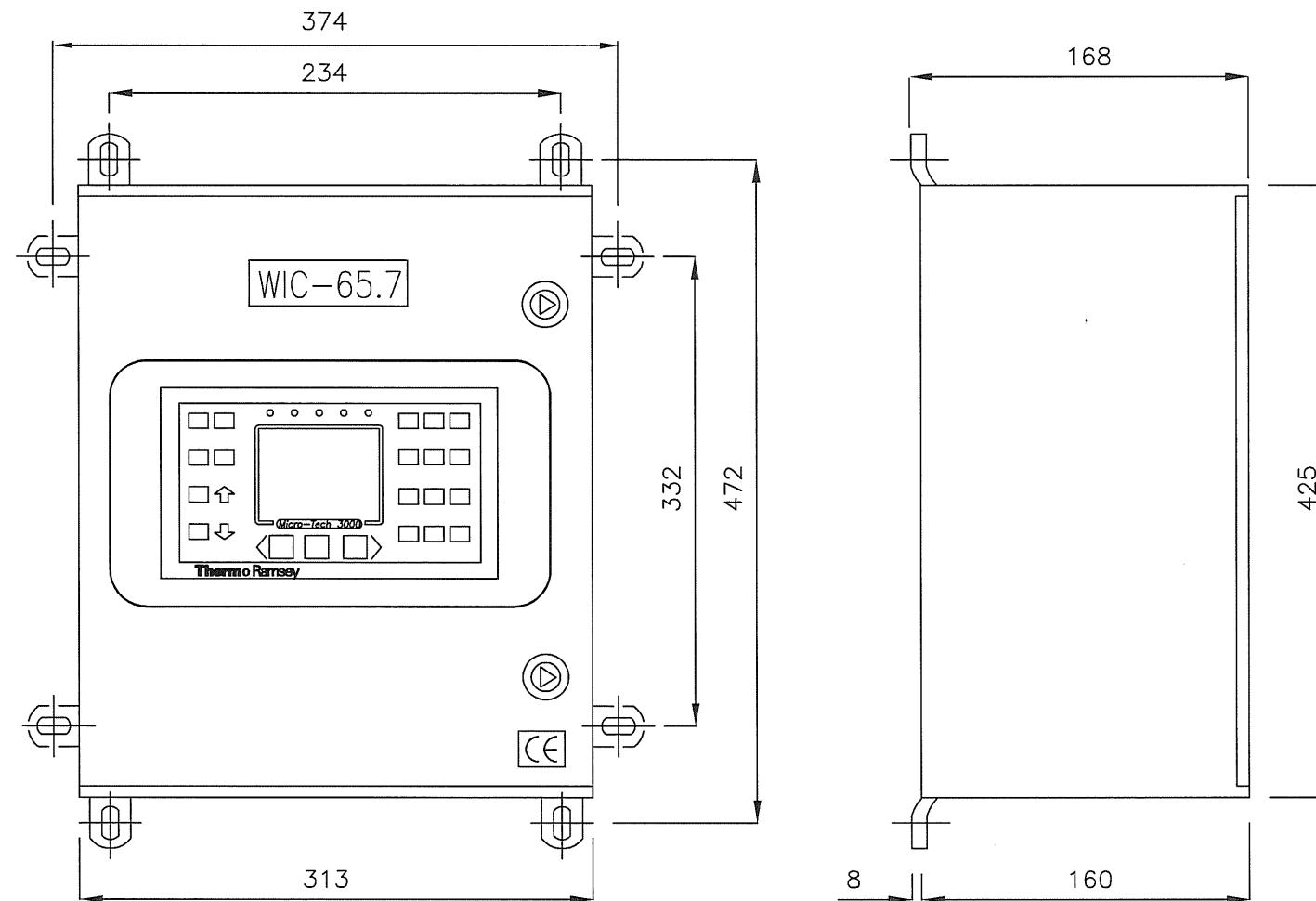
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UNI A3				SABIZ PLANT		WIC-65.7 TOPOGRAPHIC VIEW drawing's title:		THR: 25332-CC08-E014A		= WIC-65WG7 +.	
1	UPDATE AFTER TEST	D.C.	11-09-12								
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-12								
rev.	Issue Description	Author	Date								
It. DIN 6771/Teil 5 1	2	3	4								

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 65.7	INVERTER ABB 1,1 Kw	ACS355-03E03A3-4	ABB	1					
WZ 65.7	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					

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	Drawing supplier 25332-CC08-E015A	Rev. 1	Plant SABIZ						
				1	UPDATE AFTER TEST	DC	11/09/2012		
	Drawing 2F11-85-091	Sheet 15	Drawing's title EQUIPMENT LIST	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. 2F11-85-091 Sheet 13	-	1					
KC-65WG7	CABINET 800(H)x600(W)x250(D)	NSYS 3D8625P	SCHNEIDER	1					

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	Drawing supplier 25332-CC08-E017A	Rev. 1	Plant SABIZ				
 desmet ballestra	Drawing 2F11-85-091	Sheet 16	Drawing's title EQUIPMENT LIST	1	UPDATE AFTER TEST	DC	11/09/2012
				0	ISSUE FOR CONSTRUCTION	DM	06/08/2012
		Next 17		Revision	Issue description	Author	Date

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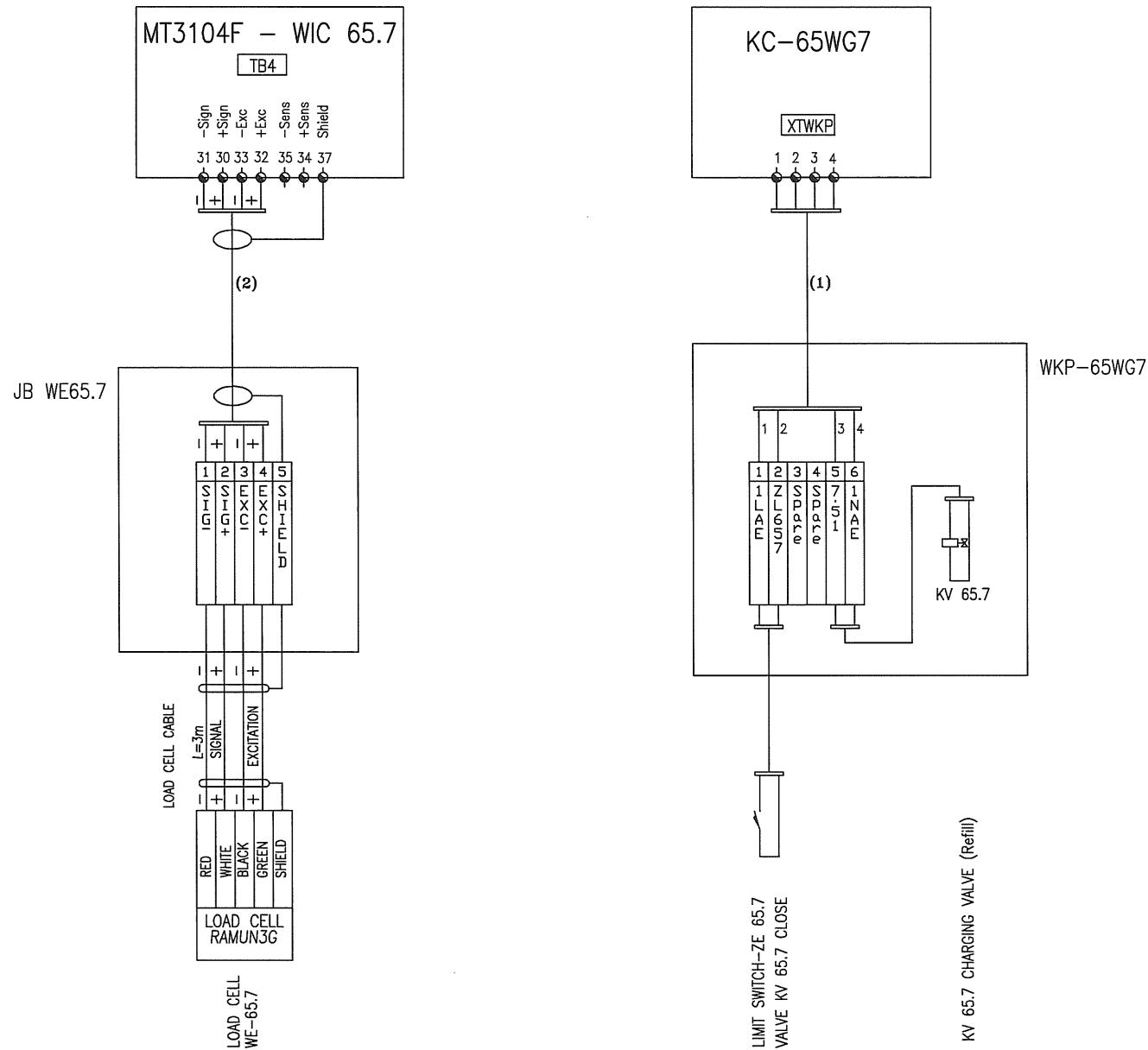
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UNI A3					
1	UPDATE AFTER TEST	D.C.	11-09-2012		
0	ISSUE FOR CONSTRUCTION	D.M.	06-08-2012		
rev.	Issue Description	Author	Date		

SABIZ PLANT



WIC 65.7& WKP-65WG7
ON BOARD CONNECTION
drawing's title:

THR: 25332-CC08-E017A

JOB : 2F11 dwg. 2F11-85-091

sheet 17
18 n.sh

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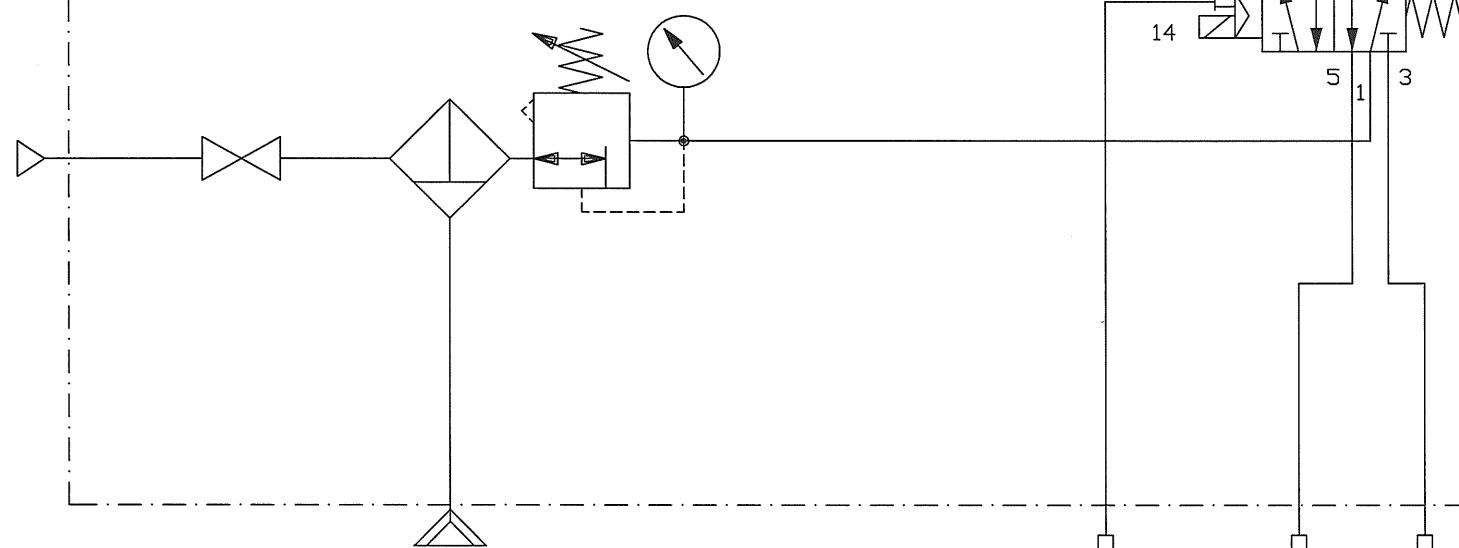
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SABIZ PLANT

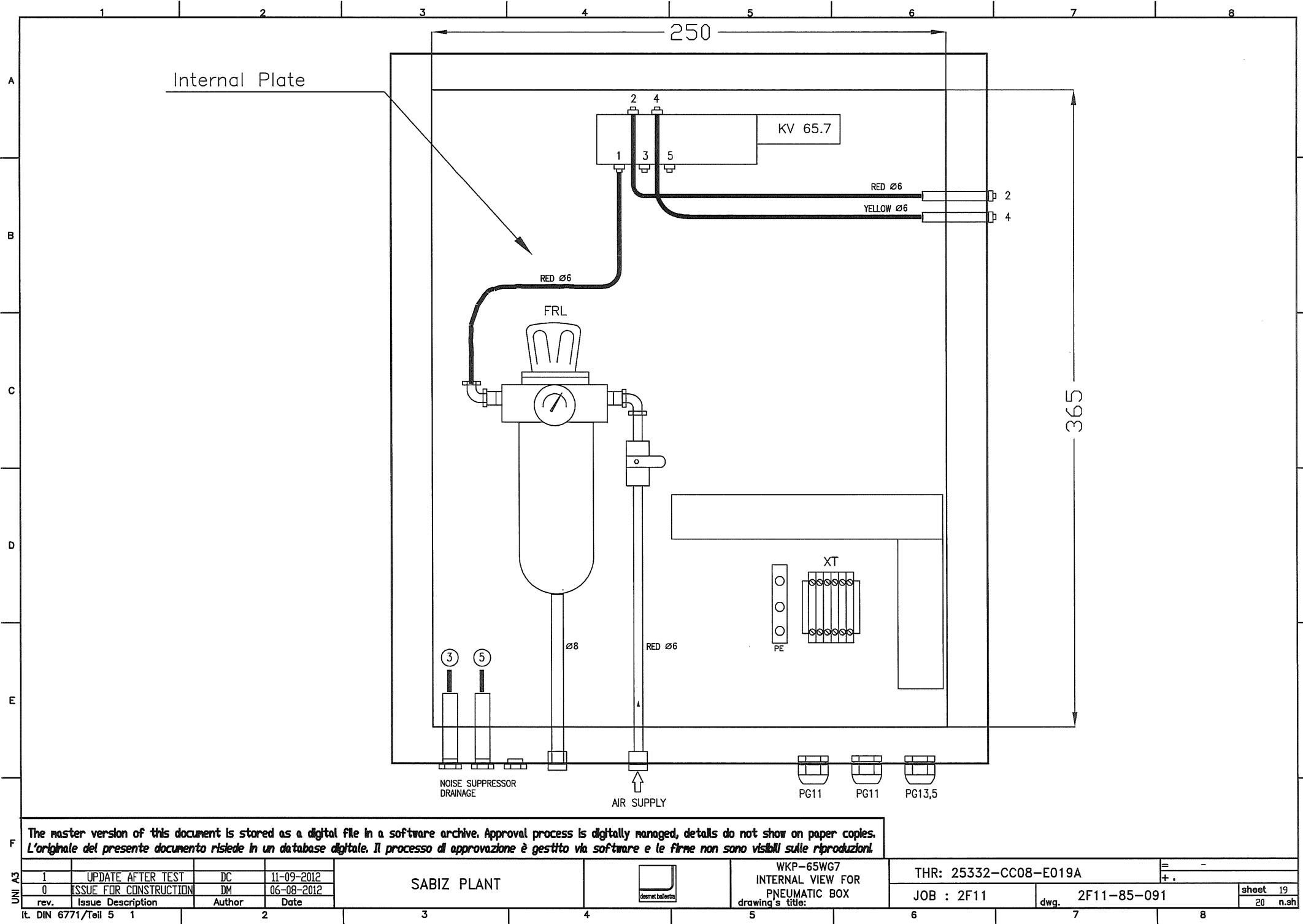


WKP-65WG7
ELECTRICAL AND PNEUMATIC
JUNCTION BOX
drawing's title:

THR: 25332-CC08-E018A

JOB : 2F11 dwg. 2F11-85-091

sheet 18
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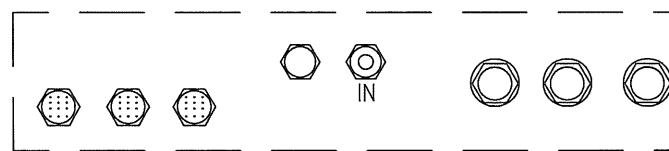
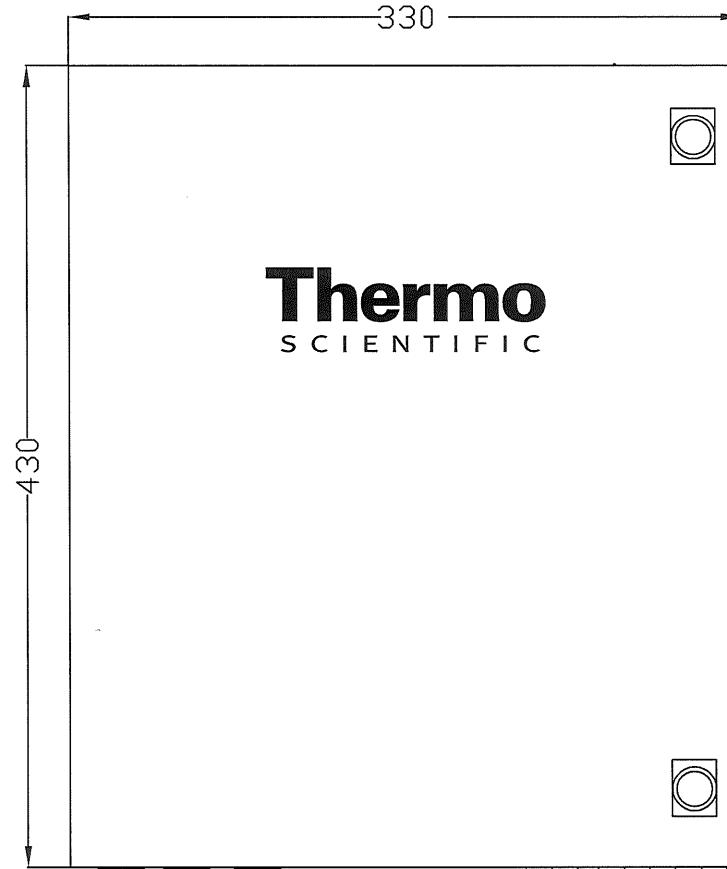
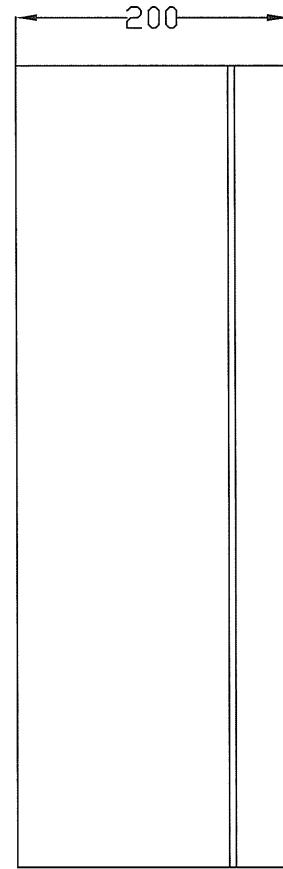
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rev.	Issue Description	Author	Date	
It. DIN 6771/Teil 5	1	2	3	4

SABIZ PLANT



WKP-65WG7
TOPOGRAPHIC VIEW FOR
PNEUMATIC BOX
drawing's title:

THR: 25332-CC08-E020A

JOB : 2F11 dwg. 2F11-85-091

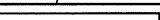
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 Thermo SCIENTIFIC Thermo Fisher Scientific Inc. - Italy - Reference PM	Drawing supplier 25332-CC08-E021A	Rev. 1	Plant SABIZ PLANT				
 desmet ballestra	Drawing 2F11-85-091	Sheet 21	Drawing's title ELECTRICAL EQUIPMENT LIST	1 0	UPDATE AFTER TEST ISSUE FOR CONSTRUCTION	DC DM	11/09/2012 06/08/2012
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	Drawing supplier	Rev.	Plant				
	25332-CC08-E022A		1	SABIZ PLANT			
	Drawing	Drawing's title	1	UPDATE AFTER TEST	DC	11/09/2012	
	2E50-85-091	Sheet	22	0	ISSUE FOR CONSTRUCTION	DM	06/08/2012
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