LOCAL CONTROL PANEL FOR SULPHUR IGNITER

KU.12.1

DESMET BALLESTRA SUPPLY

WIRING DIAGRAMS

INDEX - TAGS LIST

EQUIPMENTS LIST - TERMINAL STRIP

Moditech s.r.l.

desmet ballestra

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Drawing supplier	Rev.
10.CC1K2544.E02	**1**
Drawing **1E35-75-002**	Sheets **1 of 10**
Plant **SULPHUREX**	

Rev.	Issue description	Author	Date
1	AFTER TEST	A. EMONTE	03.05.2010
0	FIRST ISSUE	A. EMONTE	16.02.2010

Sheet	Revisions				
	Description	0	1	2	3
001	COVER PAGE (EXCEL 2000 Program)	x	x		
002	INDEX (EXCEL 2000 Program)	x	x		
003	SYMBOL LIST	x	x		
004	FRONT AND SIDE VIEW	x	x		
005	PLATES LIST (EXCEL 2000 Program)	x	x		
006	WIRING DIAGRAM	x	x		
007	WIRING DIAGRAM	x	x		
008	WIRING DIAGRAM (EXCEL 2000 Program)	x	x		
009	TERMINAL STRIP (EXCEL 2000 Program)	x	x		
010	EQUIPMENT LIST (EXCEL 2000 Program)	x	x		
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Sheet	Revisions				
	Description	0	1	2	3
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Moditech s.r.l.	Drawing supplier **10.CC1K2544.E02**	Rev. **1**	Plant **SULPHUREX**				
desmet ballestra	Drawing **1E35-75-002**	Sheet **2** / Next **3**	Drawing's title **INDEX**	1	AFTER TEST	A. EMONTE	03.05.10
				0	FIRST ISSUE	A. EMONTE	16.02.10
				Revision	Issue description	Author	Date

SYMBOL		DESCRIPTION	SYMBOL		DESCRIPTION	SYMBOL		DESCRIPTION	SYMBOL		DESCRIPTION
	F	FUSE		K	CONTACTOR		S	OPERATED BY TURNING		R	RESISTOR
	Q	DISCONNECTOR		K	OPERATING DEVICE		S	OPERATED BY KEY		R	SHUNT
	Q	SWITCH DISCONNECTOR		K	BREAK AND MAKES AUXILIARY CONTACT	1 2	S	1– EMERGENCY PUSH–BUTTON 2– EMERGENCY PUSH–BUTTON LACTING		R	HEATING ELEMENT
	F	SWITCH DISCONNECTOR WITH FUSE		Q K	NORMALLY CLOSED AND NORMALLY OPEN MAKE CONTACTS		S	BREAK AND MAKE CONTACT WITH SPRING RETURN		C	CAPACITOR
	F	FUSE SWITCH DISCONNECTOR		F	ACTUATING DEVICE OF A THERMAL RELAY		S	SINGLE POLE N–POSITION SWITCH		V	DIODE
	Q	CIRCUIT BREAKER		F	SELF–OPERATING THERMAL SWITCH CONTACT		S	LIMIT SWITCH BREAK CONTACT AND MAKE CONTACT		L	INDUCTOR
	Q	CIRCUIT BREAKER WITH AUTOMATIC RELEASE, THERMAL AND ELECTROMAGNETIC OPERATION		K	RELAY COIL OF A SLOW–OPERATING RELAY		H	SIGNAL LAMP		T	TRANSFORMER
	Q						H	SIGNAL LAMP FLASHING TYPE		X	TERMINAL STRIP
I>			1	K	RELAY COIL OF A SLOW–RELEASING RELAY		H	INDICATOR ELECTROMECH.		X	TERMINAL STRIP ON PLC
Id	Q	CIRCUIT BREAKER WITH AUTOMATIC RELEASE, OPERATING BY DIFFERENTIAL CURRENT					H	HORN		X	TERMINAL STRIP ON LOCAL PANELS
			1 2	S	1– OPERATED BY HANDLE 2– OPERATED BY PUSHING		Y	SOLENOID VALVE		X	TERMINAL STRIP ON OTHER BOARDS

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1	AFTER TEST	A. EMONTE	03.05.2010
0	FIRST ISSUE	A. EMONTE	16.02.2010

SULPHUREX

SYMBOL LIST

drawing's title:

Dis. 10.CC1K2544.E02

Job: 1E35

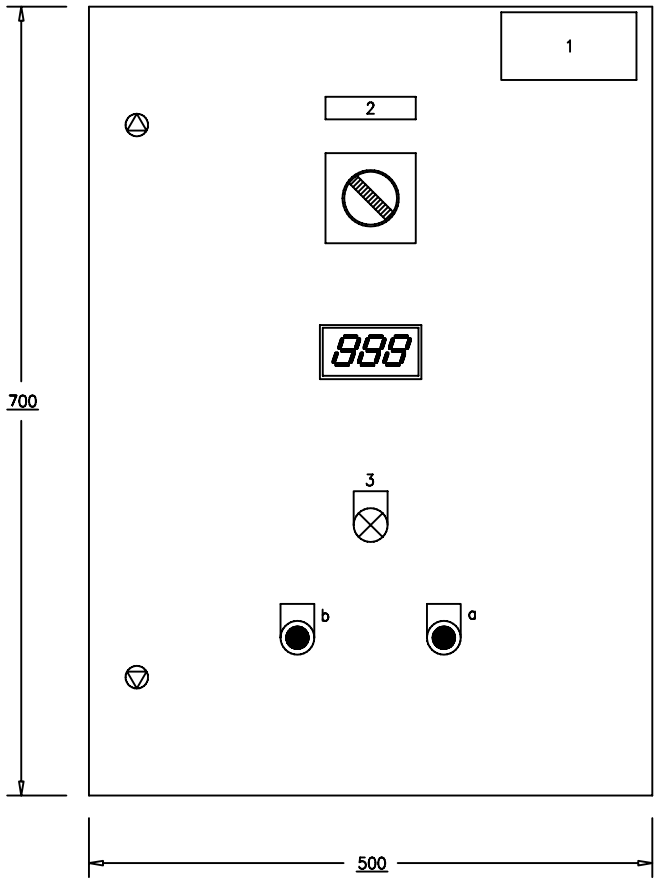
dwg. 1E35–75–002

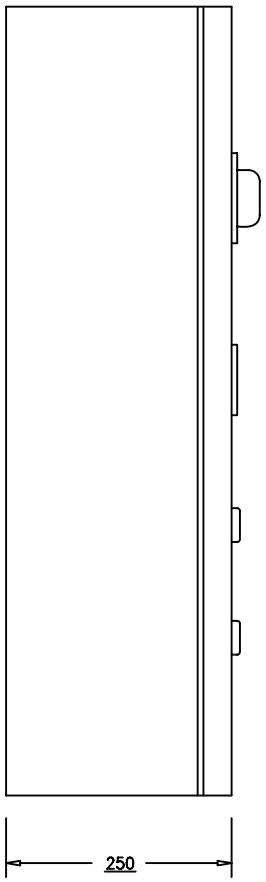
= KU.12.1
+

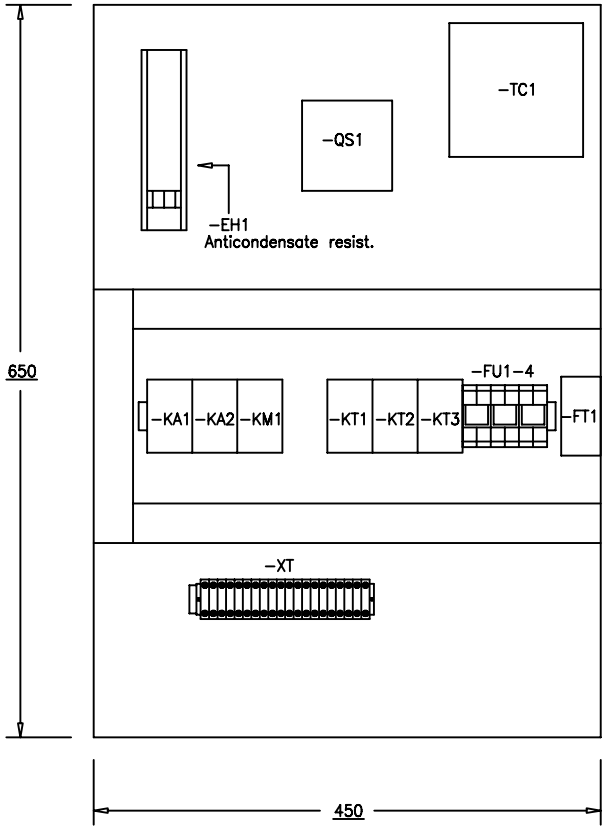
sheet 003
004 n.sh

UNI A3

It. DIN 6771/Teil 5







IP 55
RAL 7035

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SULPHUREX

FRONT AND SIDE VIEW

drawing's title:

= KU.12.1
+

Dis. 10.CC1K2544.E02

Job: 1E35

dwg. 1E35-75-002

sheet 004
005 n.sh

UNI A3

It. DIN 6771/Teil 5

Materials : **Plastic** Bottom : **White** Writing : **Black** Fixing : **Screw**

Pos.	Q.ty	Initial	Dimens. mm.	READING First line	Second line	Third line	Type (mm) Height	Remarks
1	1		100X60	**=KU.12.1**	**LOCAL CONTROL**	**PANEL FOR SULPHUR IGNITER**	6	
2	1		V50x15	MAIN CIRCUIT	BREAKER	380V 50Hz	3	
3	1		UTN	AUX SERVICE	FEEDING	110V 50Hz	3	
a	1		UTN	START			3	
b	1		UTN	STOP			3	

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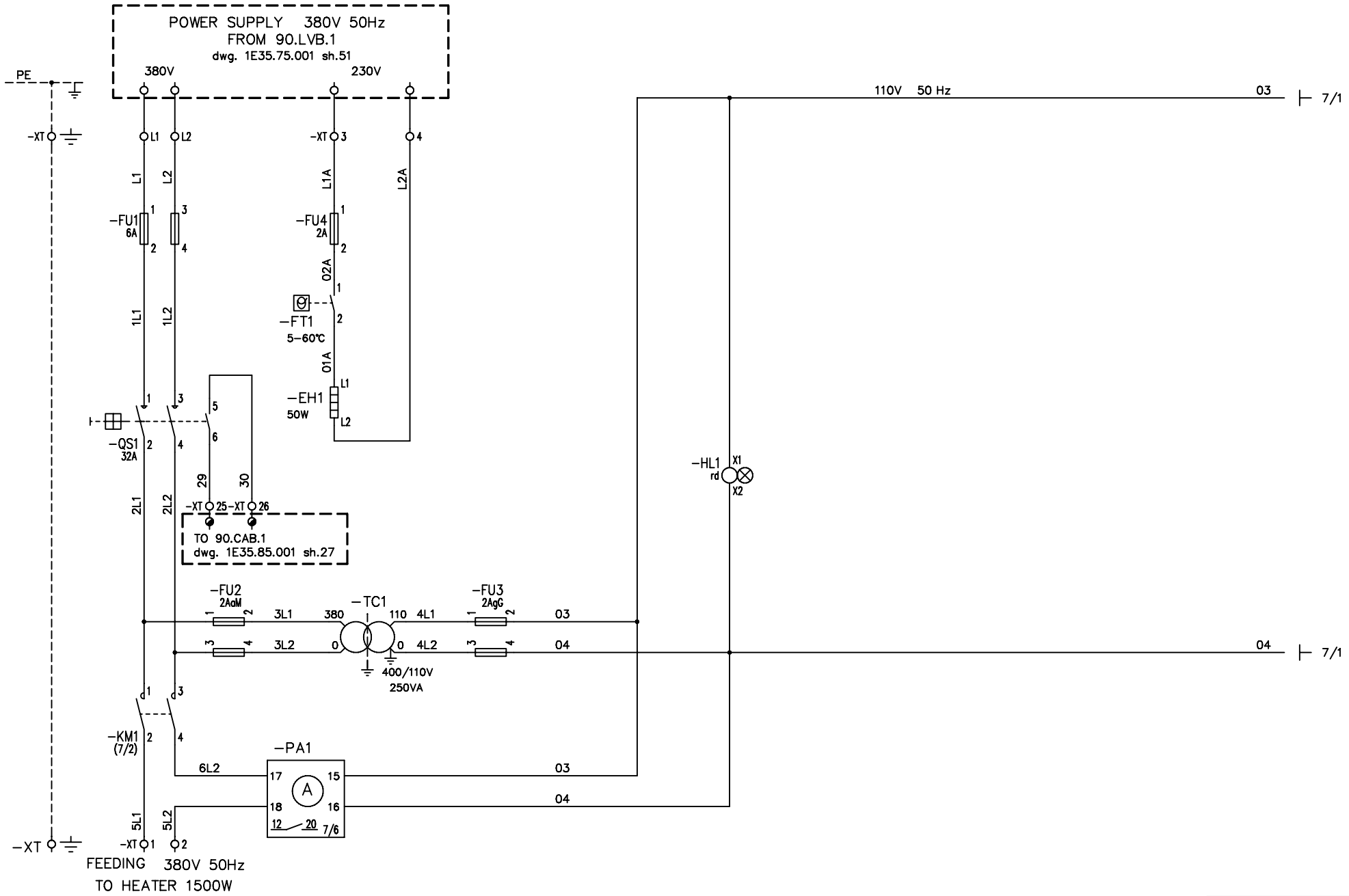
desmet ballestra

Drawing supplier **10.CC1K2544.E02**	Rev. **1**	Plant **SULPHUREX**	
Drawing **1E35-75-002**	Sheet **5** / Next **6**	Drawing's title **PLATES LIST**	

Revision	Issue description	Author	Date
1	AFTER TEST	A. EMONTE	03.05.2010
0	FIRST ISSUE	A. EMONTE	16.02.2010



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0	FIRST ISSUE	A. EMONTE	16.02.2010

SULPHUREX

MAIN AND AUXILIARY FEEDING

drawing's title:

= KU.12.1
+

Dis. 10.CC1K2544.E02

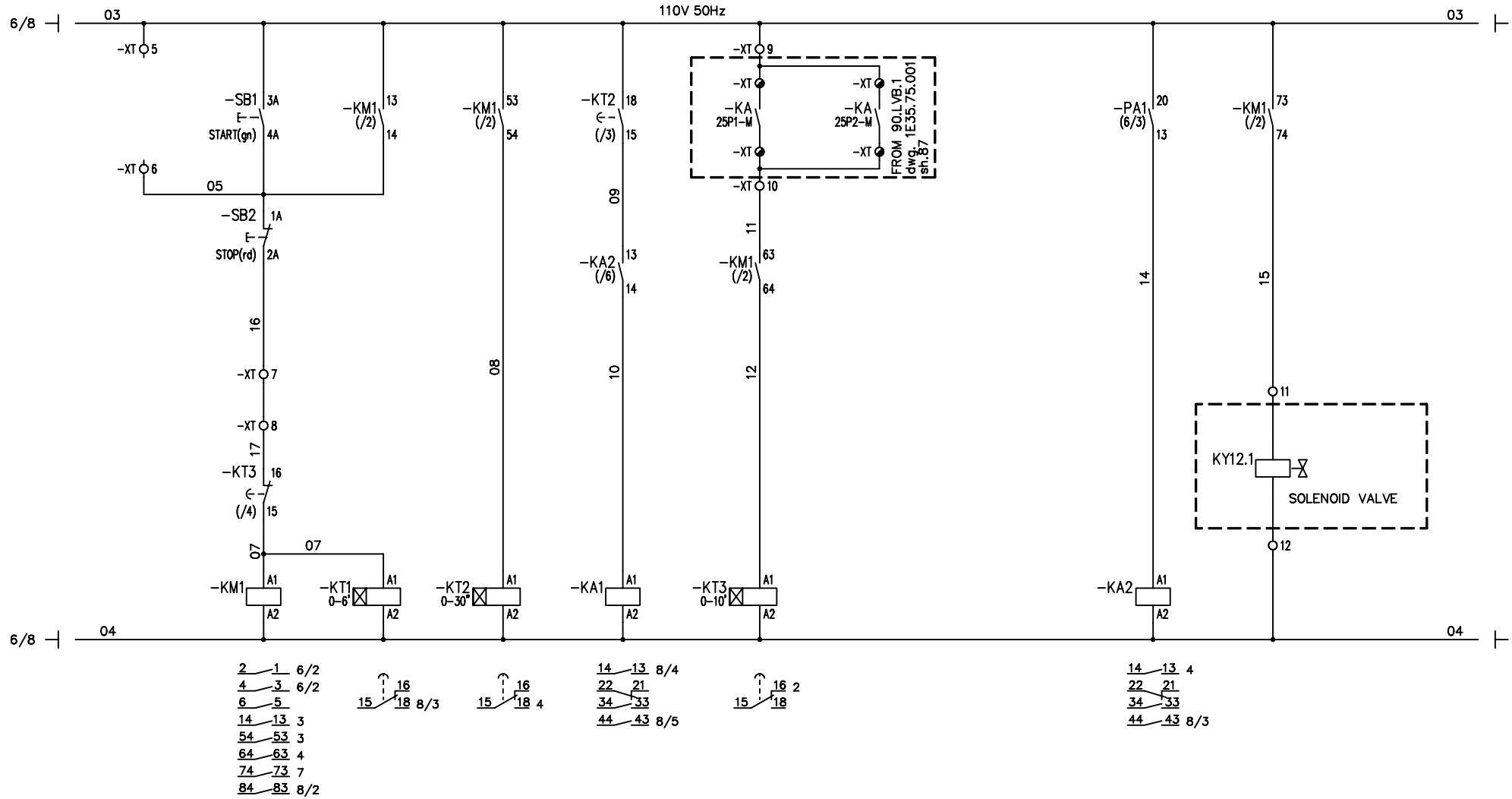
Job: 1E35

dwg. 1E35-75-002

sheet 006
007 n.sh

UNI A3

It. DIN 6771/Teil 5



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SULPHUREX

AUXILIARY CIRCUIT

drawing's title:

= KU.12.1
+

Dis. 10.CC1K2544.E02

Job: 1E35

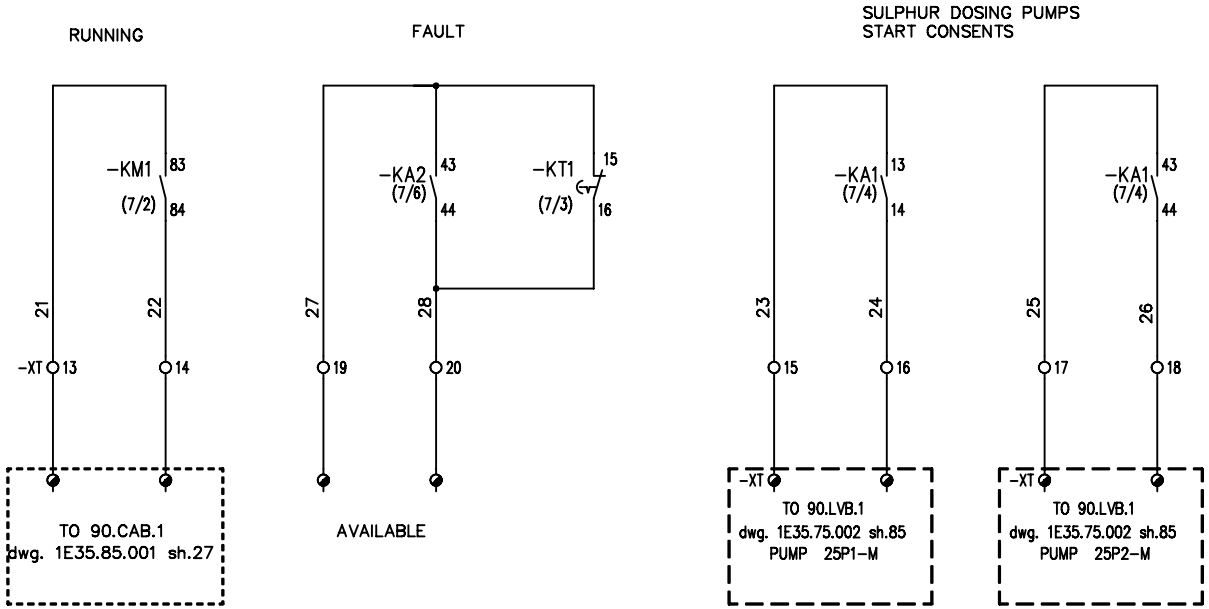
dwg. 1E35-75-002

sheet 007
008 n.sh

UNI A3

It. DIN 6771/Teil 5

PERMISSIVE START AND ALARM SIGNALINGS TO MAIN POWER PANEL



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SULPHUREX

AUXILIARY CIRCUIT

drawing's title:

= KU.12.1
+

Dis. 10.CC1K2544.E02

Job: 1E35

dwg. 1E35-75-002

sheet 008
009 n.sh

UNI A3

It. DIN 6771/Teil 5

Identificazione MORSETTIERA / Designation Group strip: - XT

SEPARATORE - Separating plate

REMARKS :

MORSETTO N° / Terminal n°	TIPO MORSETTO / Terminal type	ORIGINE / Origin mark – IDENTIF. COND. / Wire designation	MORSETTIERA / Terminal strip	DESTINAZIONE / Designation mark – APPARECCHIATURA / Designation group
L1	6 mm2	L1	O	POWER SUPPLY 380V-50Hz
L2	6 mm2	L2	O	POWER SUPPLY 380V-50Hz
⏚	CU		O	POWER SUPPLY 380V-50Hz
1	6 mm2	5L1	O	HEATER
2	6 mm2	5L2	O	HEATER
⏚	CU		O	HEATER
3	2,5 mm2	L1A	O	SUPPLY 230V-50Hz
4	2,5 mm2	L2A	O	SUPPLY 230V-50Hz
5	2,5 mm2	03	O	
6	2,5 mm2	05	O	
7	2,5 mm2	16	● (link to 8)	
8	2,5 mm2	17	● (link to 7)	
9	2,5 mm2	03	O	FROM 90.LVB.1
10	2,5 mm2	11	O	FROM 90.LVB.1
11	2,5 mm2	15	O	SOLENOID VALVE KY 12.1
12	2,5 mm2	04	O	SOLENOID VALVE KY 12.1
13	2,5 mm2	21	O	TO 90.CAB.1
14	2,5 mm2	22	O	TO 90.CAB.1
15	2,5 mm2	23	O	TO 90.LVB.1
16	2,5 mm2	24	O	TO 90.LVB.1
17	2,5 mm2	25	O	TO 90.LVB.1
18	2,5 mm2	26	O	TO 90.LVB.1
19	2,5 mm2	27	O	TO 90.CAB.1
20	2,5 mm2	28	O	TO 90.CAB.1
21	2,5 mm2		O	
22	2,5 mm2		O	
23	2,5 mm2		O	
24	2,5 mm2		O	
25	2,5 mm2	29	O	TO 90.CAB.1
26	2,5 mm2	30	O	TO 90.CAB.1

ORIGINE / Origin mark – APPARECCHIAT. / Designation group

TERMINALE / Terminal

CAVO N° / Cable n° — TIPO / Type

In questo foglio / On this sheet — Su altro foglio / On other sheet — Totale / Total

PONTICELLO FISSO
LINK

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REV.					
1	Moditech s.r.l. / desmet ballestra	*PLANT :* **SULPHUREX**	*TITLE DRAWING :* **TERMINAL STRIP - XT**	**10.CC1K2544.E02**	= **KU.12.1** +
0		*JOB :* **1E35**	*STARTING :*	*DRAWING :* **1E35-75-002**	*Sh.* **009** *Follow :* *Sh.* **010**

=..	+.	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
				LOCAL CONTROL PANEL FOR SULPHUR IGNITER			
KU.12.1		EH1	1	ANTICONDENSATE HEATER 50W 230V 50Hz	SHT50	ALFA ELECTRIC	
KU.12.1		FU1	1	POWER FUSES	PS10-2 + gG 6A	WIMEX	
KU.12.1		FU2/3	2	AUXILIARY FUSES	PS10-2 + aM 2A + gG 2A	WIMEX	
KU.12.1		FU4	1	AUXILIARY FUSES	PS10-1 + gG 2A	WIMEX	
KU.12.1		FT1	1	ROOM THERMOSTAT	THR02	ALFA ELECTRIC	
KU.12.1		HL1	1	RED LAMP HOLDER 110/6V	ZB4 BV3+ZB4BV04	TELEMECANIQUE	
KU.12.1		KA1/2	2	AUXILIARY RELAY 2L+2R 110V 50-60Hz	3RH1122-1AF00	SIEMENS	
KU.12.1		KM1	1	3POLE POWER CONTACTOR 110V 50-60Hz	3RT1016-1AF01	SIEMENS	
KU.12.1		KM1	1	AUXILIARY CONTACTS	3RH1911-1FA40	SIEMENS	
KU.12.1		KT1/2/3	3	TIMING RELAY ON-DELAY 24-127V	3RP15 25-1AQ30	SIEMENS	
KU.12.1		PA1	1	AMMETER WITH CONTACT AND FEEDER 110VAC	DG4A23A3 DGP96 3D/1 0-10A DIRECT	IME	
KU.12.1		QS1	1	SWITCH DISCONNECTOR 3x32A	GW 70 005	GEWISS	
KU.12.1		SB1	1	PUSHBUTTON GREEN	ZB4 BA3+ZB4BZ105	TELEMECANIQUE	
KU.12.1		SB2	1	PUSHBUTTON RED	ZB4BA4+ZB4BZ105	TELEMECANIQUE	
KU.12.1		TC1	1	MONOPHASE TRANSFORMER SCREENED	380V ±5% / 110V-50Hz 250VA	ELCA	
KU.12.1		XT	4	POWER TERMINAL STRIP	UT 6 / 30 44 13 1	PHOENIX	
KU.12.1		XT	22	AUXILIARY TERMINAL STRIP	UT 2,5 / 30 44 07 6	PHOENIX	

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