LOSS IN WEIGHT SYSTEM 65WG4

LOCAL PANEL KC65WG4

FOR SABIZ PLANT

JOB : 1E35

WIRING DIAGRAMS

INDEX - TAGS LIST

EQUIPMENTS LIST - TERMINAL STRIP

	Drawing supplier	Rev. **1**				
desmet ballestra Desmet Ballestra s.p.a.	**Drawing** **1E35-85-1214**	Sheets **1 of 14**				
	Plant **SABIZ**		1	UPDATED AFTER FAT	DR	24-02-2011
			0	ISSUE FOR APPROVAL	DR	27/01/2011
			Revision	Issue description	Author	Date

Sheet	Revisions				
	Description	0	1	2	3
001	COVER PAGE	x	x		
002	INDEX	x	x		
003	POWER INSTALLED	x	x		
004	SYMBOL LIST	x	x		
005	GENERAL VIEW	x	x		
006	MAIN FEEDING L.I.W. PANEL	x	x		
007	INVERTER CONNECTIONS	x	x		
008	DIGITAL INPUT/OUTPUT	x	x		
009	MAIN SIGNALLING	x	x		
010	SIGNAL CONNECTIONS M2000	x	x		
011	TERMINAL BLOCKS XP-XA	x	x		
012	TERMINAL BLOCK XS	x	x		
013	WIRING TO EDGE DOSING L.I.W.	x	x		
014	EQUIPMENT LIST	x	x		
015					
016					
017					
018					
019					
020					
021					
022					
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					
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057					
058					
059					
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Drawing supplier	Rev.	Plant
	1	**SABIZ**
Drawing	Sheet **2**	Drawing's title
1E35-85-1214	Next **3**	**INDEX**

Revision	Issue description	Author	Date
1	UPDATED AFTER FAT	DR	24/02/2011
0	ISSUE FOR APPROVAL	DR	27/01/2011

POSITION N. / ITEM	DESCRIPTION	LOAD CELL TYPE	CELLS SENSITIVITY SUPPLY	LOCAL PANEL	ON BOARD	SEPARATED	ANTICOND. R. MOTOR	TRANSMITTER TYPE	SYSTEM FULL SCALE Kg/h	DENSITY Kg/m3	COMPONENTS
1 **65WG4**	PPS/NE/BP/180	3xF1-20	2mV/V 10V	3x380V-50Hz		X		0.25KW	M2000	160	1190	ENZYMES
2												
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Drawing supplier	Rev. **1**	Plant **SABIZ**			
Drawing **1E35-85-1214**	Sheet **3** Next **4**	Drawing's title **POWER INSTALLED**	1	UPDATED AFTER FAT	DR 24/02/2011
			0	ISSUE FOR APPROVAL	DR 27/01/2011
			Revision	Issue description	Author Date

Sim.\Sym.	File	Descrizione\Description
	C1031	Control Relay
	C1031P	Control Relay
	C1130	Single phase Transformer
	C1205	Three phase Motor
	C1209	Single phase Motor
	C1263	3 Positions Selector
	C1277	RC Unit
	C2094	Solenoid Valve
	C2102	Fuse
	C2103	Resistor
	C2109	Diode

Sim.\Sym.	File	Descrizione\Description
	C2117	Lamp
	C2120	Lamp with transformer
	C2211	Pushbutton N.O.
	C2212	Pushbutton N.C.
	C2222	Thermostat
	C3005	Three-pole Disconnect
	C3091	Power Fuses
	C4010	Power Circuit Breaker
	C4048	Circuit Breaker
	C4091	Power Fuses
	C4100	Proximity

rev.	Issue Description	Author	Date
1	UPDATED AFTER FAT	DR	24-02-2011
0	ISSUE FOR APPROVAL	DR	27-01-2011

SABIZ 25t/h

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drawing's title: SYMBOL LIST

= 65WG4
+

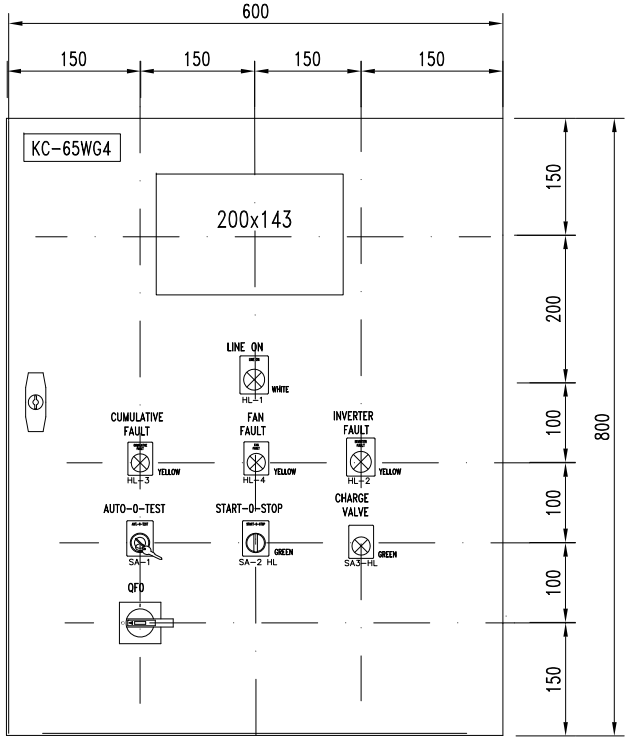
JOB: 1E35

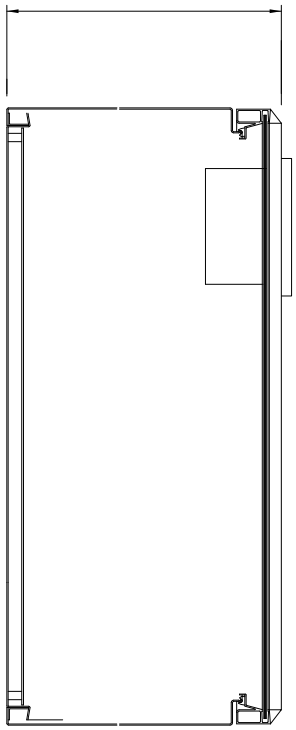
dwg. 1E35-85-1214

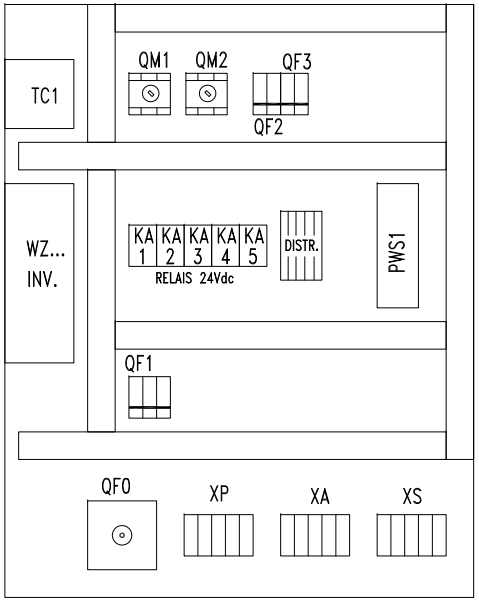
sheet 4
5 n.sh

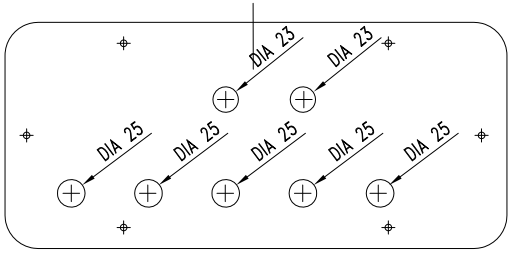
UNI A3

It. DIN 6771/Teil 5

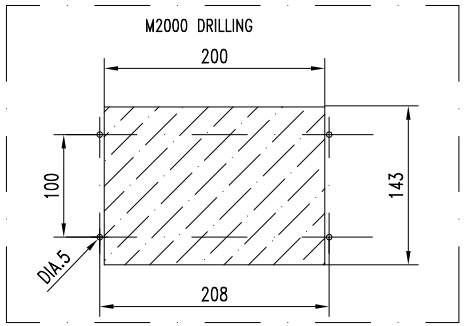








INTERNAL VIEW PANEL
SAREL 83357 (800x600x300)



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1	UPDATED AFTER FAT	DR	24-02-2011
0	ISSUE FOR APPROVAL	DR	27-01-2011

SABIZ 25t/h

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GENERAL VIEW
drawing's title:

= 65WG4
+

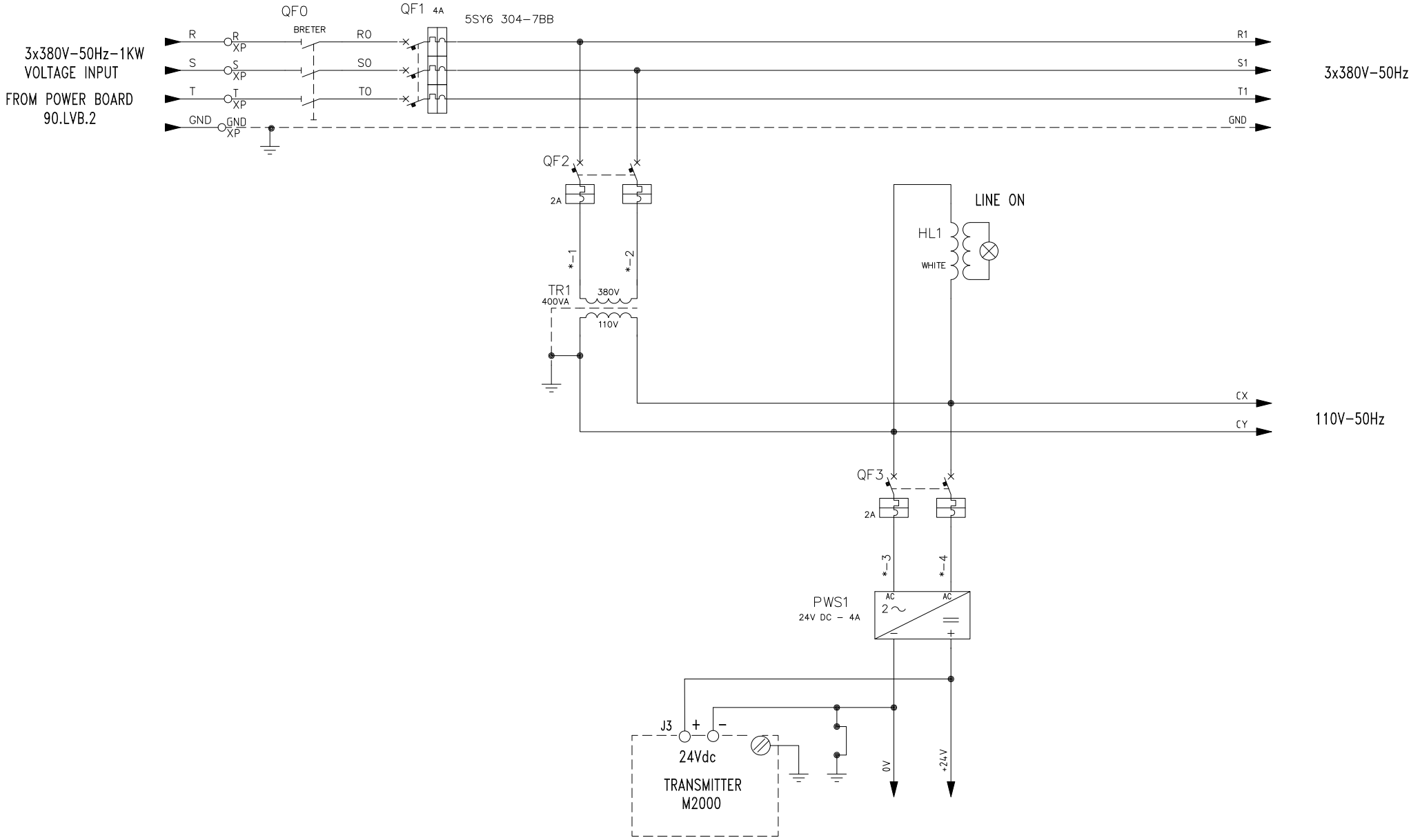
JOB: 1E35

dwg. 1E35-85-1214

sheet 5
6 n.sh

UNI A3

It. DIN 6771/Teil 5



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0	ISSUE FOR APPROVAL	DR	27-01-2011

SABIZ 25t/h

desmet ballestra s.p.a.

MAIN FEEDING L.I.W. PANEL

drawing's title:

= 65WG4
+

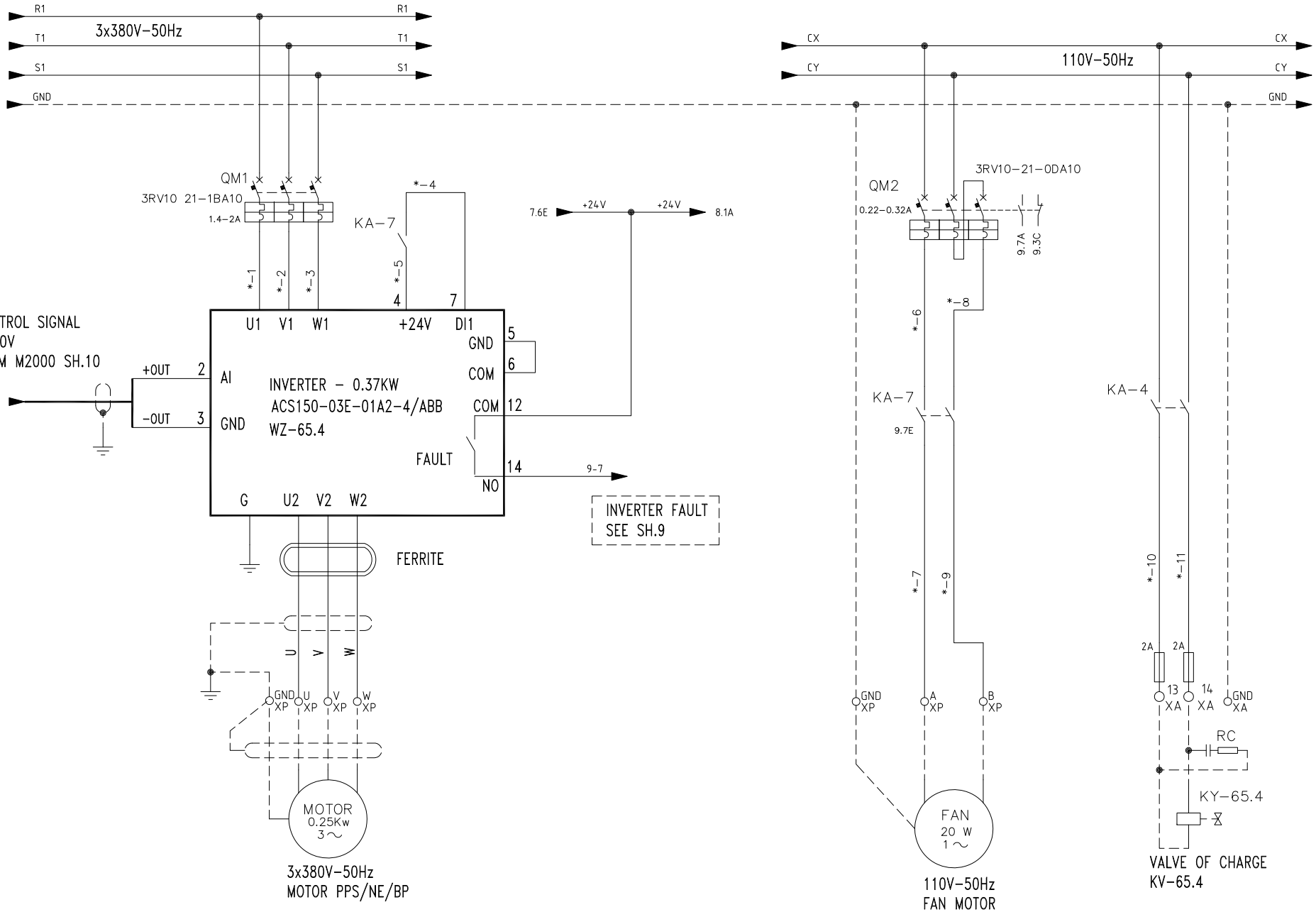
JOB: 1E35

dwg. 1E35-85-1214

sheet 6
7 n.sh

UNI A3

It. DIN 6771/Teil 5



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SABIZ 25t/h

desmet ballestra s.p.a.

INVERTER CONNECTIONS - L.I.W.
drawing's title:

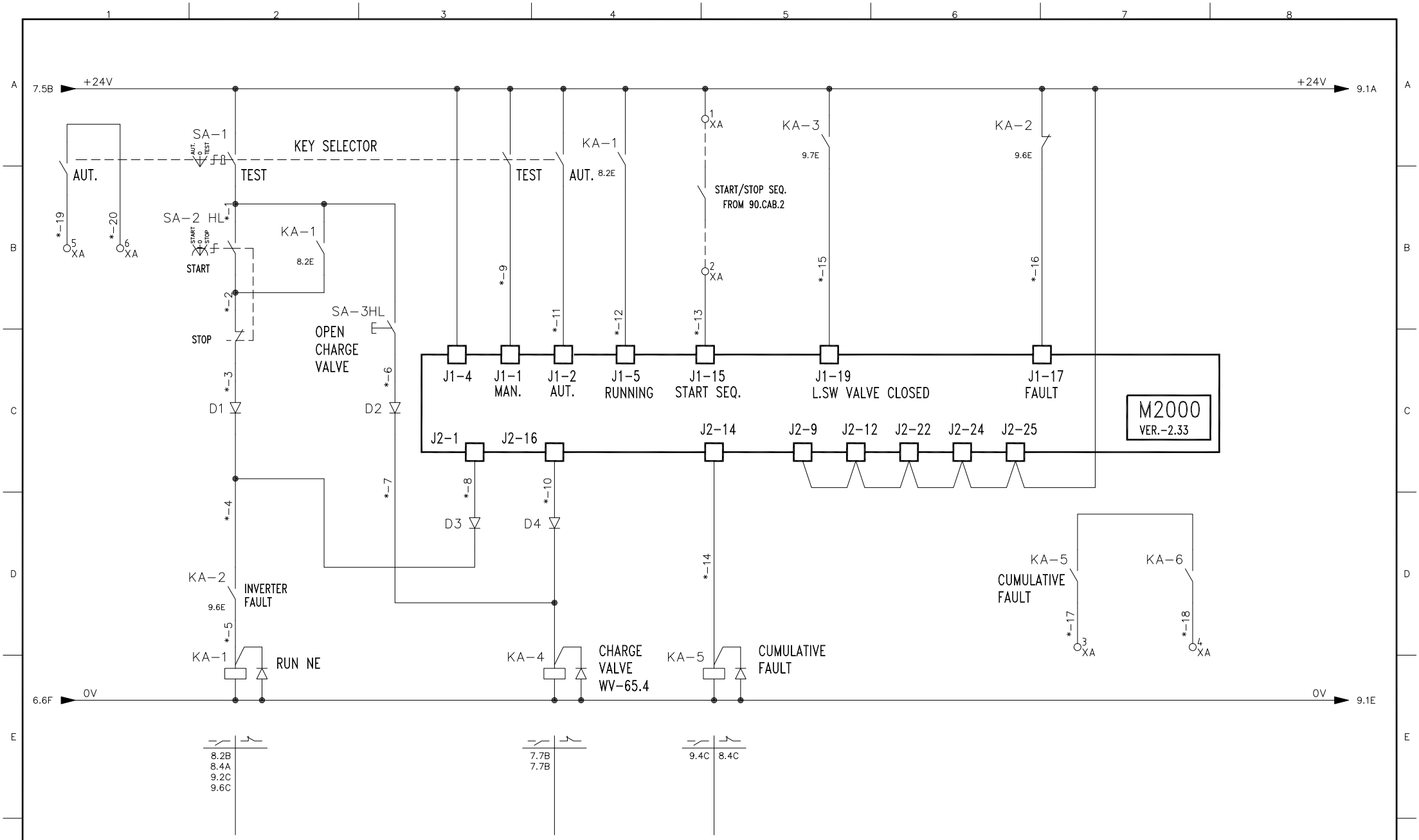
= 65WG4
+

JOB: 1E35

dwg. 1E35-85-1214

sheet 7
8 n.sh

UNI A3
lt. DIN 6771/Teil 5



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0	ISSUE FOR APPROVAL	DR	27-01-2011

SABIZ 25t/h

desmet ballestra s.p.a.

DIGITAL INPUT/OUTPUT

drawing's title:

= 65WG4
+

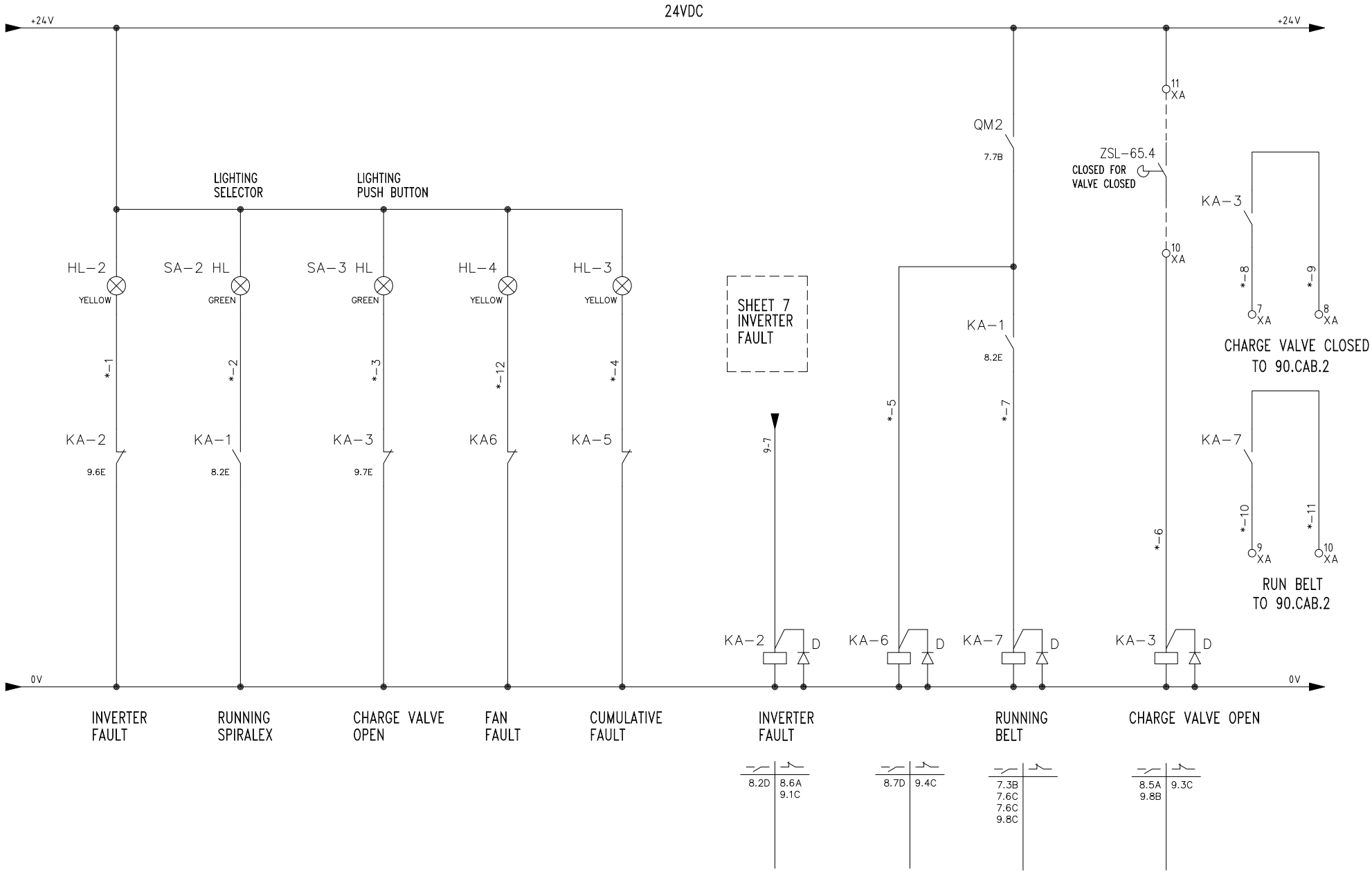
JOB: 1E35

dwg. 1E35-85-1214

sheet 8
9 n.sh

UNI A3

It. DIN 6771/Teil 5



rev.	Issue Description	Author	Date
1	UPDATED AFTER FAT	DR	24-02-2011
0	ISSUE FOR APPROVAL	DR	27-01-2011

SABIZ 25t/h

desmet ballestra s.p.a.

MAIN SIGNALLING – L.I.W.

drawing's title:

= 65WG4
+

JOB: 1E35

dwg. 1E35-85-1214

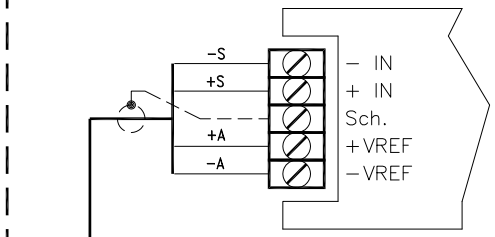
sheet 9 / 10 n.sh

UNI A3

It. DIN 6771/Teil 5

TRANSMITTER UNIT TYPE M2000 VER.-2.33

WIC65.4



J6

4 +OUT
12 -OUT → 0-10V SH.7

1
3
10

CONTROL SIGNAL
TO INVERTER
WZ65.4

J4

4 +SP
9 -SP

SET POINT 0-5V

+24V 0V +24V 0V

Q R N M CV1 L I

DAT 4531D

SET POINT 4-20mA

*-1 6 XS +
*-2 7 XS -
8 XS

J7

4 +FS
12 -FS

FLOW SIGNAL
0-10V TO PLC

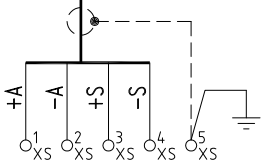
+24V 0V +24V 0V

Q R G I CV2 N M

DAT 4531D

FLOW SIGNAL
4-20mA TO PLC

*-3 9 XS +
*-4 10 XS -
11 XS



LOAD CELL
WE65.4

rev.	Issue Description	Author	Date
1	UPDATED AFTER FAT	DR	24-02-2011
0	ISSUE FOR APPROVAL	DR	27-01-2011

SABIZ 25t/h

desmet ballestra s.p.a.

SIGNAL CONNECTION M2000

drawing's title:

= 65WG4
+

JOB: 1E35

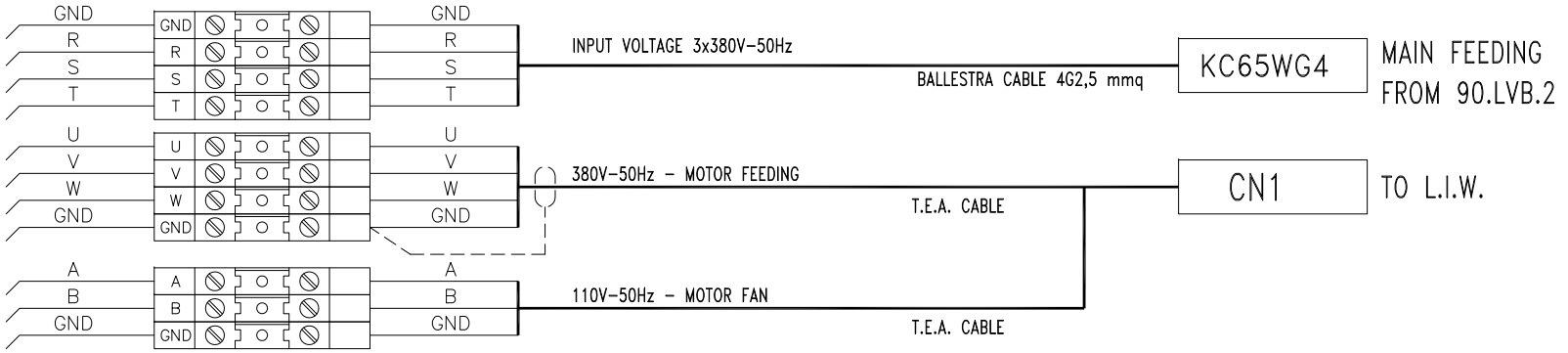
dwg. 1E35-85-1214

sheet 10
11 n.sh

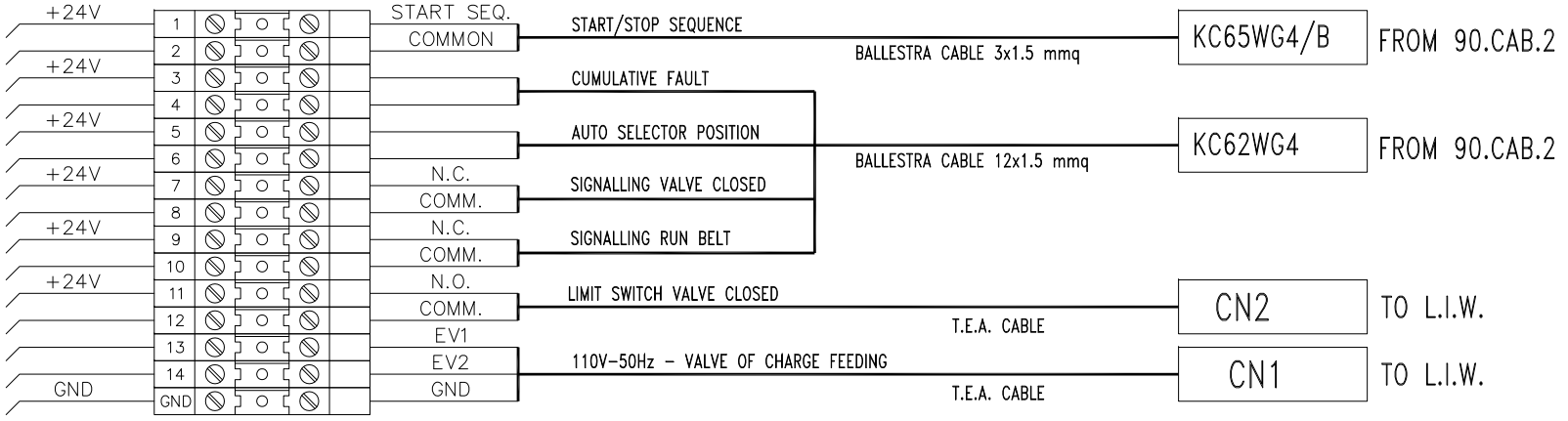
UNI A3

It. DIN 6771/Teil 5

QG XP



QG XA



rev.	Issue Description	Author	Date
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SABIZ 25t/h

desmet ballestra s.p.a.

TERMINALS BLOCK XP/XA-L.I.W.

drawing's title:

= 65WG4
+

JOB: 1E35

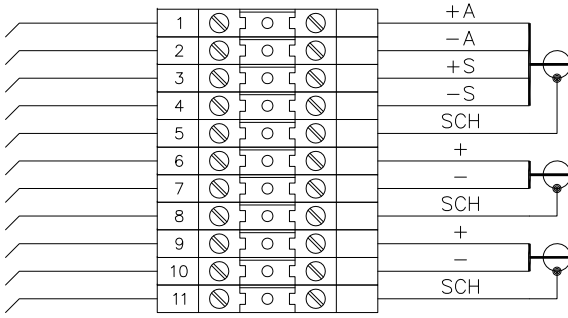
dwg. 1E35-85-1214

sheet 11
12 n.sh

UNI A3

It. DIN 6771/Teil 5

QG XS



LOAD CELL – WE65.4

T.E.A. CABLE

CN2

TO L.I.W.

SET POINT SIGNAL 4–20mA

BALLESTRA CABLE 2x1mmq+SH

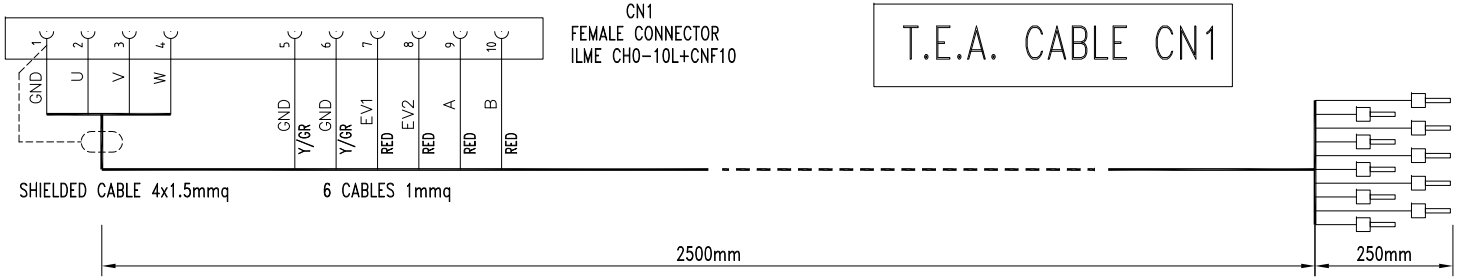
FROM 90.CAB.2

FLOW SIGNAL 4–20mA

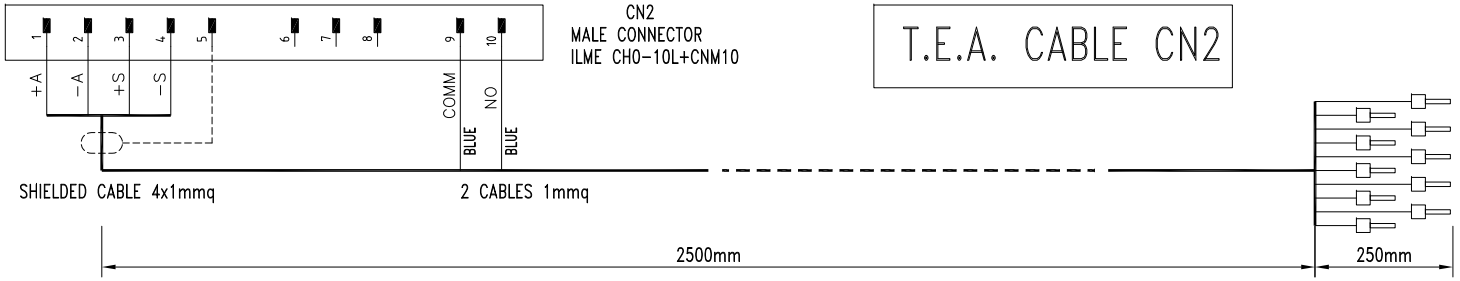
BALLESTRA CABLE 2x1mmq+SH

TO 90.CAB.2

T.E.A. CABLE CN1



T.E.A. CABLE CN2



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0	ISSUE FOR APPROVAL	DR	27-01-2011

SABIZ 25t/h

desmet ballestra s.p.a.

TERMINAL BLOCK XS – L.I.W.

drawing's title:

= 65WG4
+

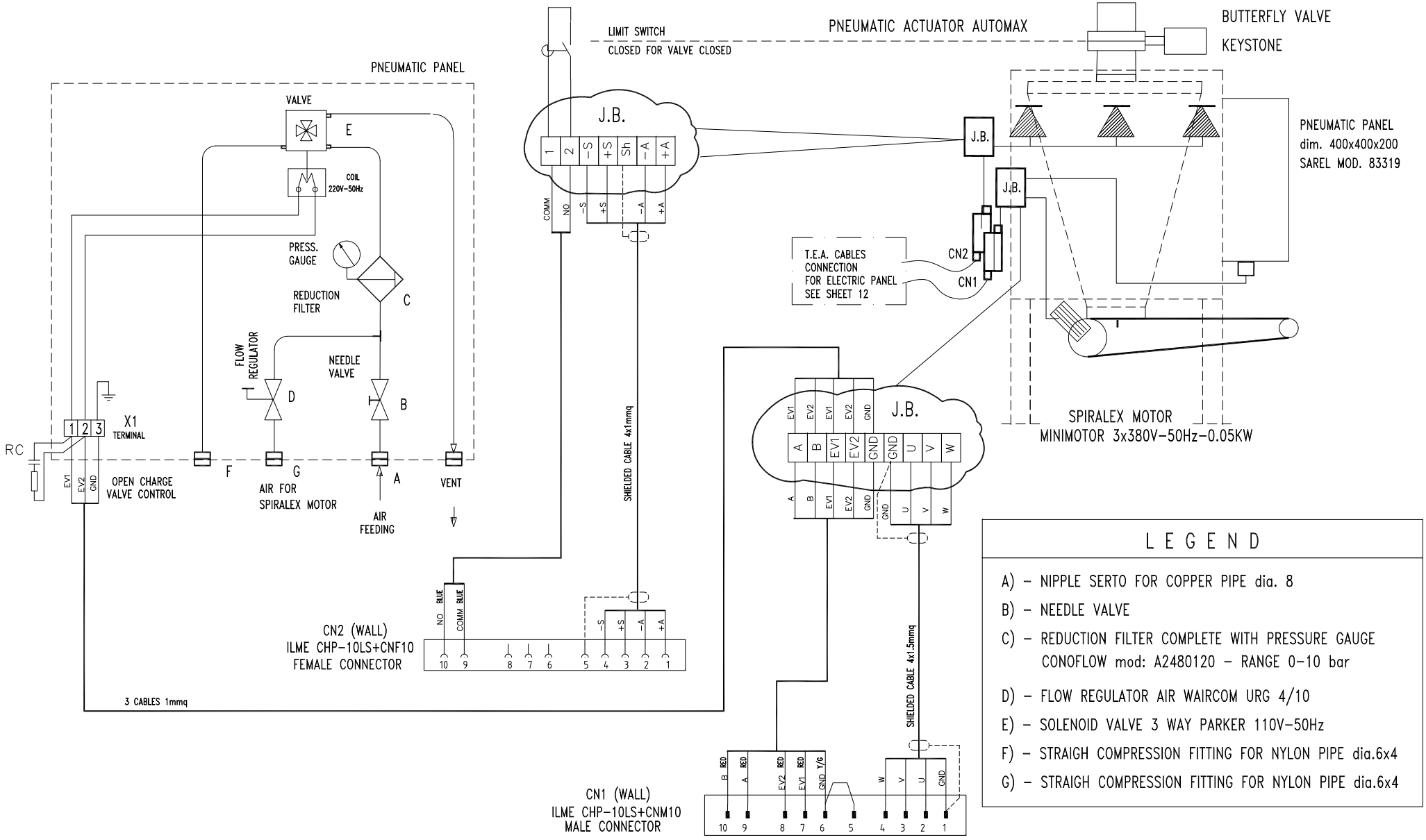
JOB: 1E35

dwg. 1E35-85-1214

sheet 12
13 n.sh

UNI A3

It. DIN 6771/Teil 5



LEGEND

A) – NIPPLE SERTO FOR COPPER PIPE dia. 8

B) – NEEDLE VALVE

C) – REDUCTION FILTER COMPLETE WITH PRESSURE GAUGE
CONOFLOW mod: A2480120 – RANGE 0–10 bar

D) – FLOW REGULATOR AIR WAIRCOM URG 4/10

E) – SOLENOID VALVE 3 WAY PARKER 110V–50Hz

F) – STRAIGH COMPRESSION FITTING FOR NYLON PIPE dia.6x4

G) – STRAIGH COMPRESSION FITTING FOR NYLON PIPE dia.6x4

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1	UPDATED AFTER FAT	DR	24-02-2011
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SABIZ 25t/h

desmet ballestra s.p.a.

WIRING TO EDGE DOSING L.I.W.

drawing's title:

= 65WG4
+

JOB: 1E35

dwg. 1E35-85-1214

sheet 13
14 n.sh

UNI A3

It. DIN 6771/Teil 5

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER
M2000			1	M2000-L.I.W.	WEIGHING TRANSMITTER	T.E.A.
QF0			1	BRLA7-25-175+BRLA2-G3393+BRLFS2-N6-175	3-POLE BREAKER (20A)	BRETER
QF1			1	5SY6 304-7	3-POLE AUTOMATIC BREAKER (4A)	SIEMENS
QM1,QM2			1+1	3RV1021-1BA10 + 0DA10	3-POLE AUTOMATIC BREAKER (1.4-2A) + (0.22-0.32)	SIEMENS
QF2,3			2	5SY6 202-7	2-POLE AUTOMATIC BREAKER (2A)	SIEMENS
SA-1			1	8 LM2T S331G501	3-POS. KEY SELECTOR	LOVATO
SA-2 HL			1	8 LM2T SL1313	START/STOP UNSTABLE LIGHTING (GR) SELECTOR	LOVATO
HL1			1	8 LM2T IL108	WHITE LAMP 110V	LOVATO
HL2,HL3,HL4			3	8 LM2T IL105	YELLOW LAMP 24V	LOVATO
SA-2HL			1	(24V) 8 LM2T LB3	LAMP 24V	LOVATO
SA1			1	8 LM2T C01	CONTACTS N.C.	LOVATO
SA1,2			4	8 LM2T C10	CONTACTS N.O.	LOVATO
XP, XA, XS			26	MA2,5/5	TERMINAL 2.5mm	ENTRELEC
XP,XS			7	MA2,5/5P	GROUND TERMINAL	ENTRELEC
KA1,2,3,4,5,6,7			7	FRL4	RELAY 24Vdc	FINDER
KC			1	83357 (800x600x300)	ELECTRIC PANEL	SAREL
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