AZO CONTROLS GmbH
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Rosenberger Str.28
D-74706 Osterburken
Tel +49 (0)6291 926-0
Fax
Internet www.azo.com

Company	:	AZO.
Project number	:	119776-00
Plant designation	:	Conveyor system for oatmeal
Commission	:	AZO Solids
Manufacturer (company)	:	AZO CONTROLS GmbH
Path	:	119776-00\Eplan\P8\Projekt
Project name	:	119776-00
Make	:	AZO CONTROLS
Type	:	-
Place of installation	:	-
Responsible for project	:	prz
Part feature	:	keine

Created on 2017
Edit date 26.10.2018 by (short name) : prz

Number of pages: 125

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			Appr		Base project with IEC structure		-	Page 1
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AZO CONTROLS GmbH
Rosenberger Str.28

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e-Mail:

Company	: AZO.	**End customer:**	: -
Street	: Industriegebiet Ost	Street	: Prospekt Andropnova 18
Place	: D-74706 Osterburken	Place	: 115432 Moskau
Tel.:	: +49 (0)6291 92-0	Tel.:	: -
Fax:	: +49 (0)6291 92-9500	Fax:	: -
E-Mail	:	E-Mail	: -

Project

Project name	: 119776-00	Place of installation	: -
Drawing number	: 119776-00	Manufacturer (company)	: AZO CONTROLS GmbH
Plant designation	: Conveyor system for oatmeal	Make	: AZO CONTROLS
Commission	: AZO Solids	Part feature	: keine
Project description	: Base project with IEC structure	Supply	: 22 KW
		Supply voltage	: 400 V AC
		Control voltage	: 24 V
		Model	: -
		Environmental consideration	: None
		Regulations	: keine
Responsible for project	: prz	Degree of protection	: IP 54
Created on	: 08.10.2018	Enclosures	: TS8
Project end	:	Project template	:
Edit date	: 26.10.2018		
by (short name)	: prz	Number of pages	: 125
Risk assessment	: 119663-00-RBA_00_DE		

AZO CONTROLS GmbH

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Fax:

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Terminal strip

1X_ = 400VAC
2X_ = 230VAC
3X_ = 24VDC
4X_ = Measuring wire
5X_ = Barcode
6X_ = Other wires
7X_ = Potentialfree contacts
8X_ = Operating terminals (incl. Emergency stop)
9X_ = Safety and EX circuits

Wire colours

Voltage	Color	Cross-section
400V	black	≥ 1,5 mm²
Zero conductor	light blue	≥ 1,5 mm²
230VAC Control voltage	red	≥ 0,75 mm²
24VDC control voltage	dark blue	≥ 0,75 mm²
PE	yellow/green	≥ 1,5 mm²
Analog wire	violet	
Measuring wire	violet	
Potentialfree wires	orange	≥ 0,75 mm²

Local designation

+REC	Receiver
+PMP	Pump
+FHP	Feeding hopper
+HP	Hopper
+SF	Secondary filter

System designation

=SYS1	System 1

Local designation

from electrical boxes

+H	Enclosures
+L	Distribution box
+P	Operation panels

Used standard

Circuit diagram	DIN 40719	☒
Terminal diagrams	DIN 40719	☒
Symbolic	DIN 40700	☒
Description	DIN 40719	☒
Machine safety	DIN EN ISO 13849-1	☒
Emergency stop	DIN EN ISO 13850	☒
Guideline on protection against explosion (Gas)	DIN EN 60079-ff	☐
Guideline on protection against explosion (Dust)	DIN EN 61241-ff	☒

Important informations

Before put the system in operation look after correct earthing connections on every part of the system under existing specifiations.

Maintenance and operation may be performed only by trained personnel

Plant data

Installed load	:	13,5 kW
Rated voltage	:	400V
Rated current	:	25A
Frequency	:	50 Hz
Control voltage	:	24V DC
Analogue signals	:	0-10V/4-20mA
Degree of protection	:	IP54
Ambient temperature	:	35°C
Max. customer prefuse	:	63A

Circuit diagram

Responsible for project	:	prz
Created on	:	2017
Project end	:	
Edit date	:	26.10.2018
by (short name)	:	prz

Software

Responsible for project : -

Mechanic

Responsible for project : -

Workshop

Build up	:	-
Wired	:	-
Checked	:	-

Put into operation

Mechanic	:	-
Electric	:	-

Revision overview

Revisionsübersicht_Rev01

Revision name	Revision comment	Page name	Creator	Date

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=INDEX+DBL/3	Coversheet 3	26.10.2018	prz
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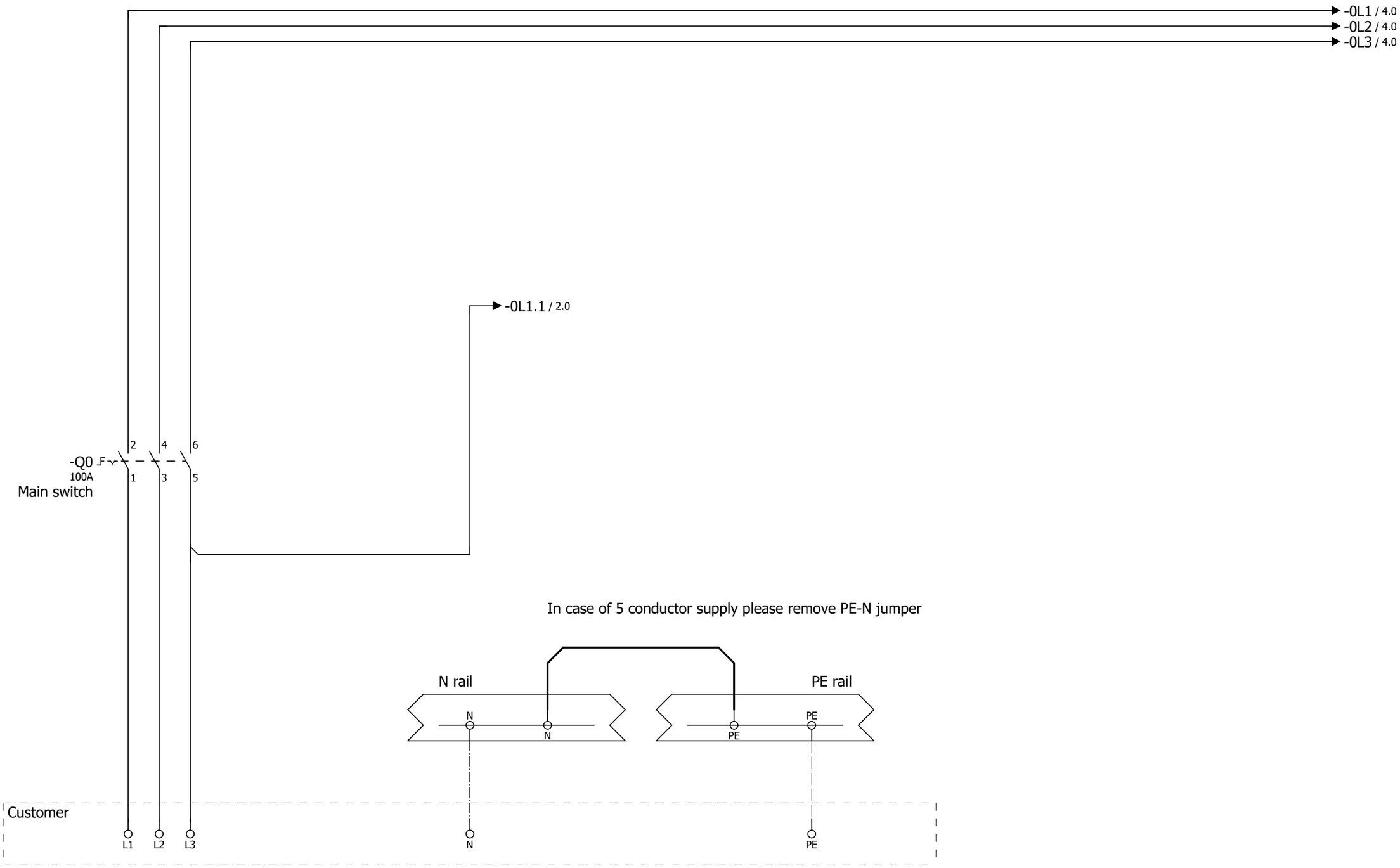

			Date	26.10.2018	AZO Solids		Supply main switch	119776-00	= SYS1
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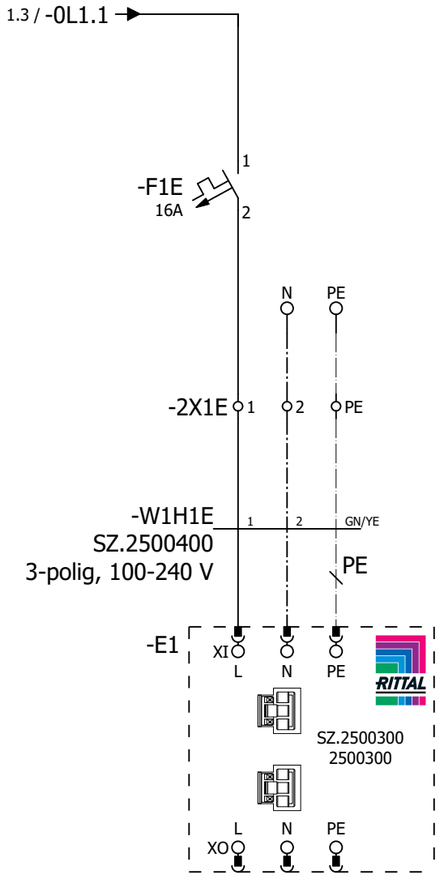

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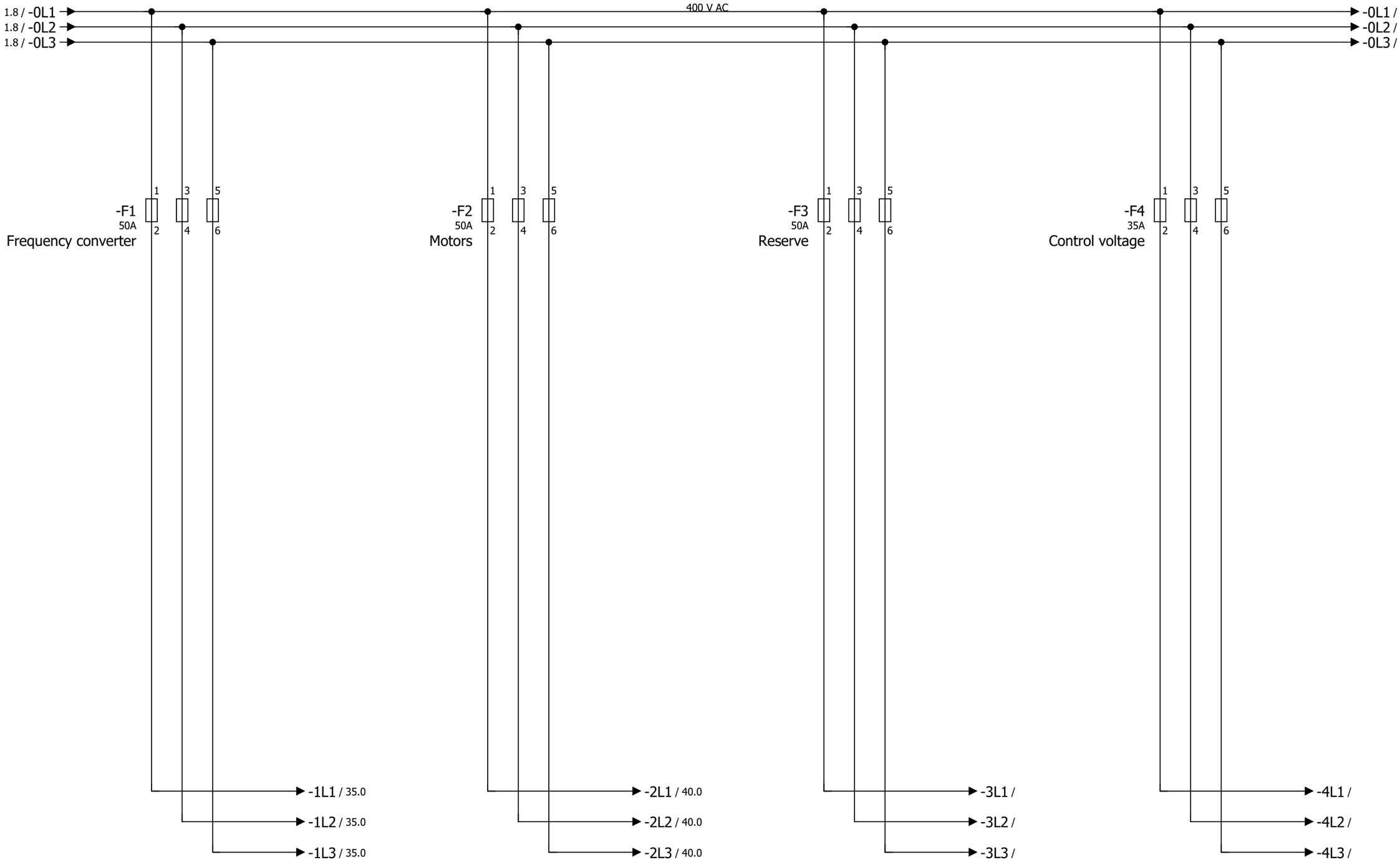

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			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
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6.9 / -5L1
6.9 / -5L2
6.9 / -5L3

-5L1 / 6.0
-5L2 / 6.0
-5L3 / 6.0

-F1V
H1
16A
Reserve
/18.2

-F2V
H1
16A
Reserve
/18.2

-F3V
H1
16A
Fan
/18.3

-F4V
H1
16A
Socket
/18.3

-1L /

-2L /

-3L / 8.0

-4L / 8.7

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			Date	26.10.2018	AZO Solids	Supply fuses 230V AC	119776-00	= SYS1
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			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
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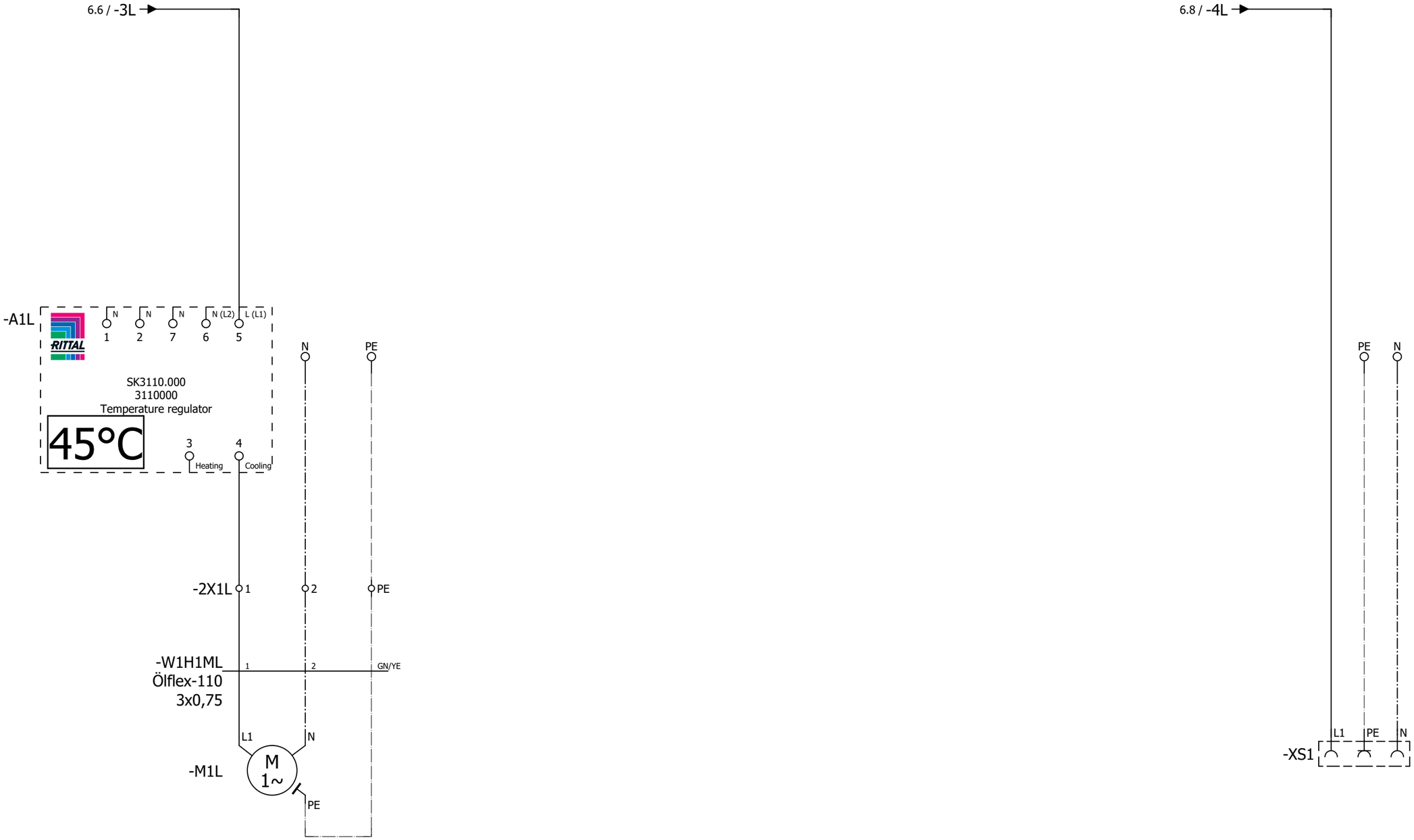

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13.9 / -5L1
13.9 / -5L2
13.9 / -5L3

-5L1 / 13.0
-5L2 / 13.0
-5L3 / 13.0

-Q1G
Ir= 2.5-4A
1 3 5
I> I> I>
2 4 6

L1 L2 L3
-G1
320...575VAC/24VDC/20A
3 ~
+ -

PE
-3X1M
PT 10-PE
PE

PT 2,5-QUATTRO
1 2 3 4
-3X1M
PT 10
+ -

-G1M / 15.0

-G1.1M 20.0
-G1.2M
-G1.3M
-G1.4M
-G1.5M
-G1.6M
-G1.7M
-G1.8M
-G1.9M
-G1.10M
-G1.11M
-G1.12M
-G1.13M
-G1.14M
-G1.15M
-G1.16M

-F1G1
4A
1
2
Control voltage

Unswitched potential
-G1L+ / 15.0

PT 2,5-QUATTRO
1 2 3 4
-3X1G1L+
PT 2,5
+

-G1.1L+ 18.1
-G1.2L+ 20.0
-G1.3L+
-G1.4L+
-G1.5L+
-G1.6L+
-G1.7L+
-G1.8L+
-G1.9L+
-G1.10L+
-G1.11L+
-G1.12L+
-G1.13L+
-G1.14L+
-G1.15L+
-G1.16L+

			Date	26.10.2018	AZO Solids	Supply power unit	119776-00	= SYS1
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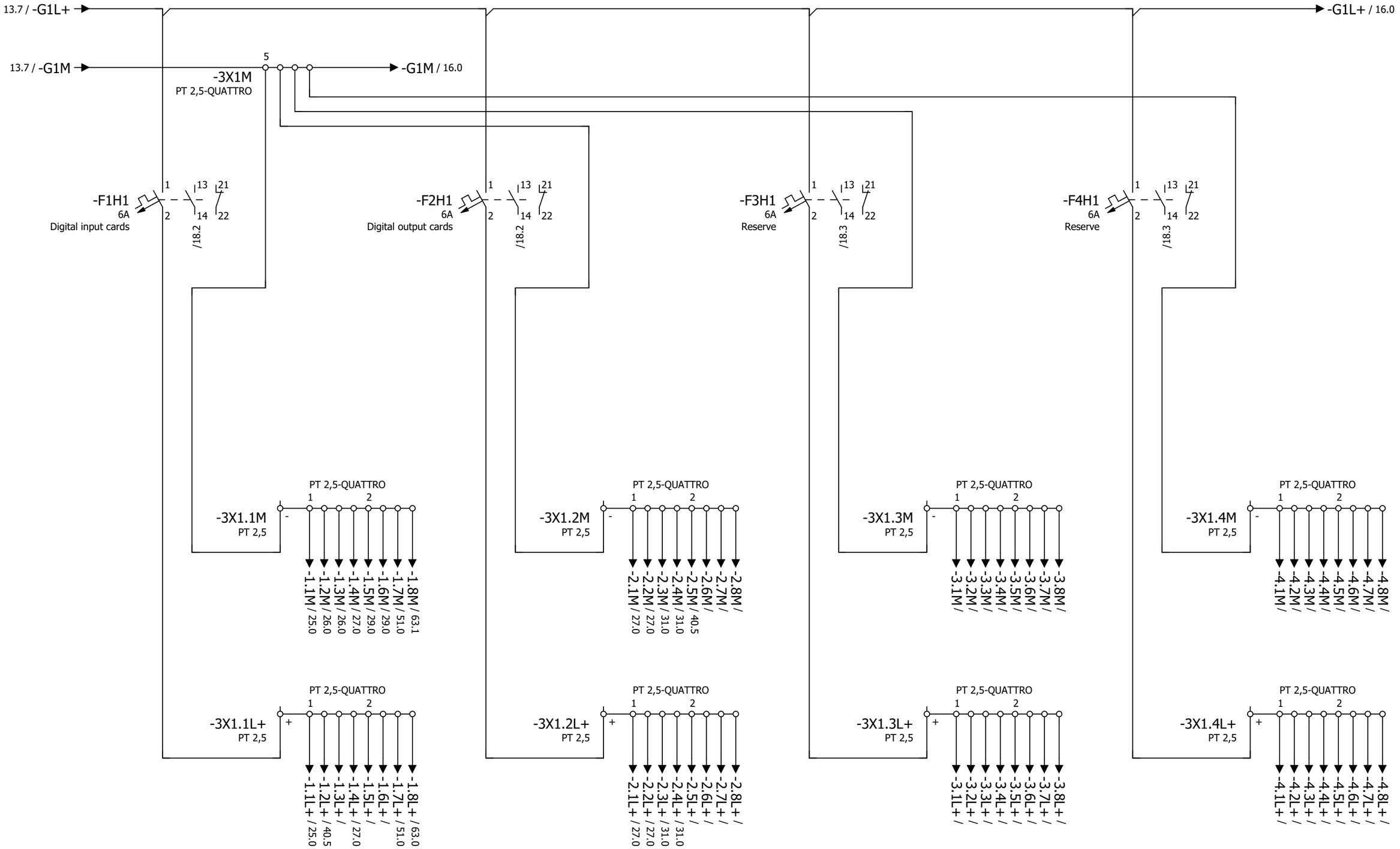

			Date	26.10.2018	AZO Solids	Supply fuses 24V DC
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					-	-

119776-00	= SYS1
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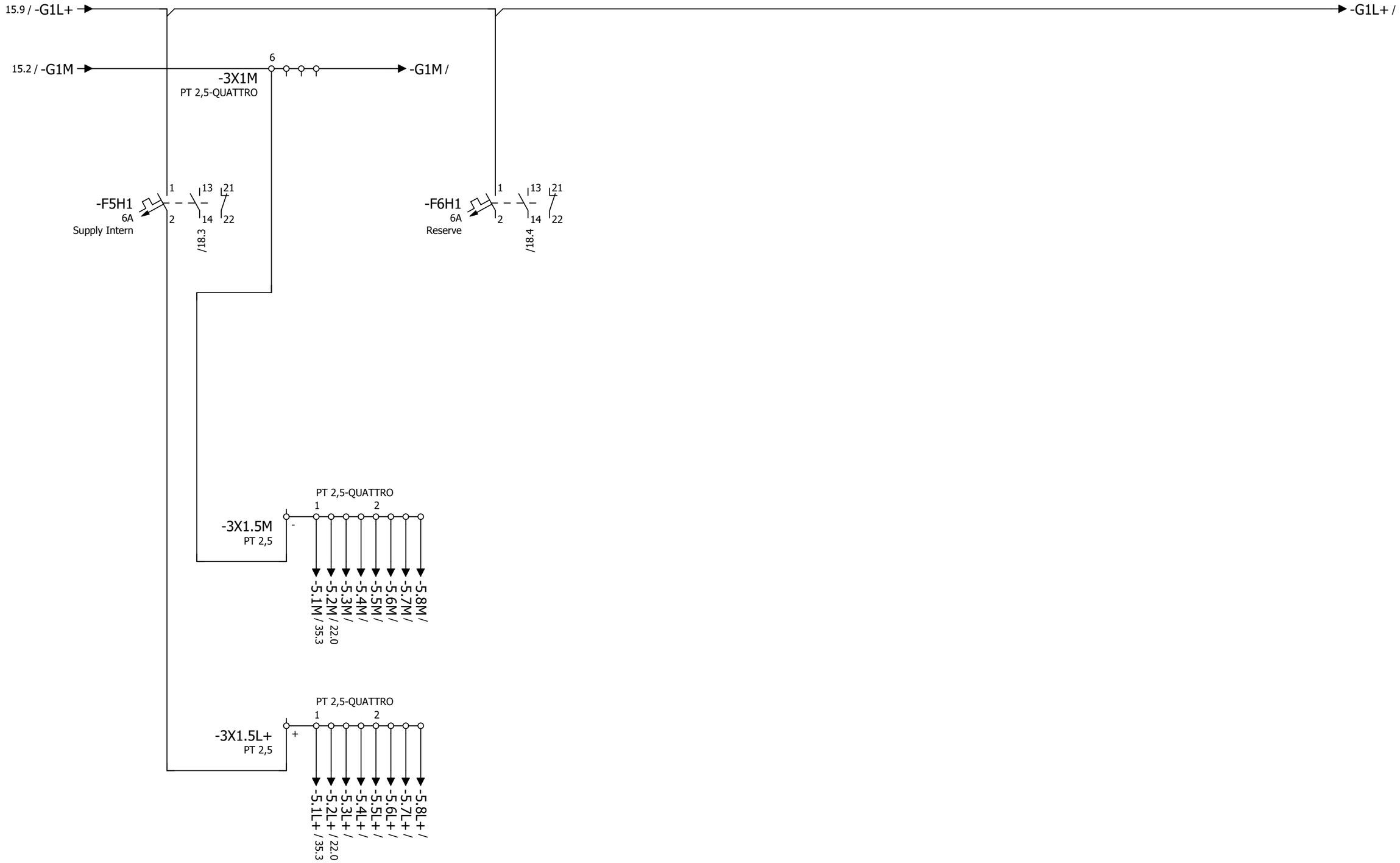

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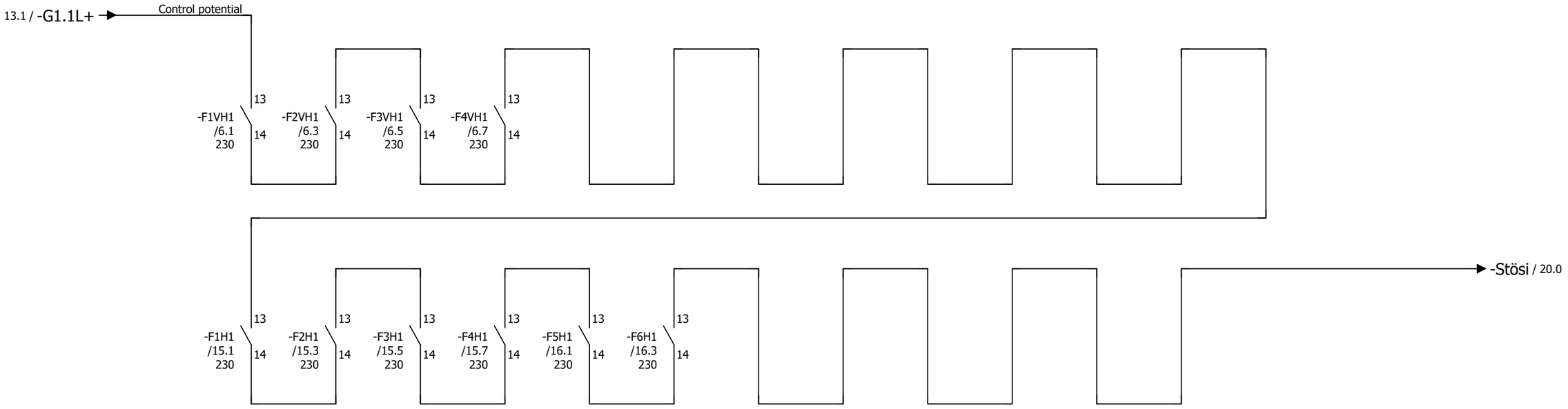

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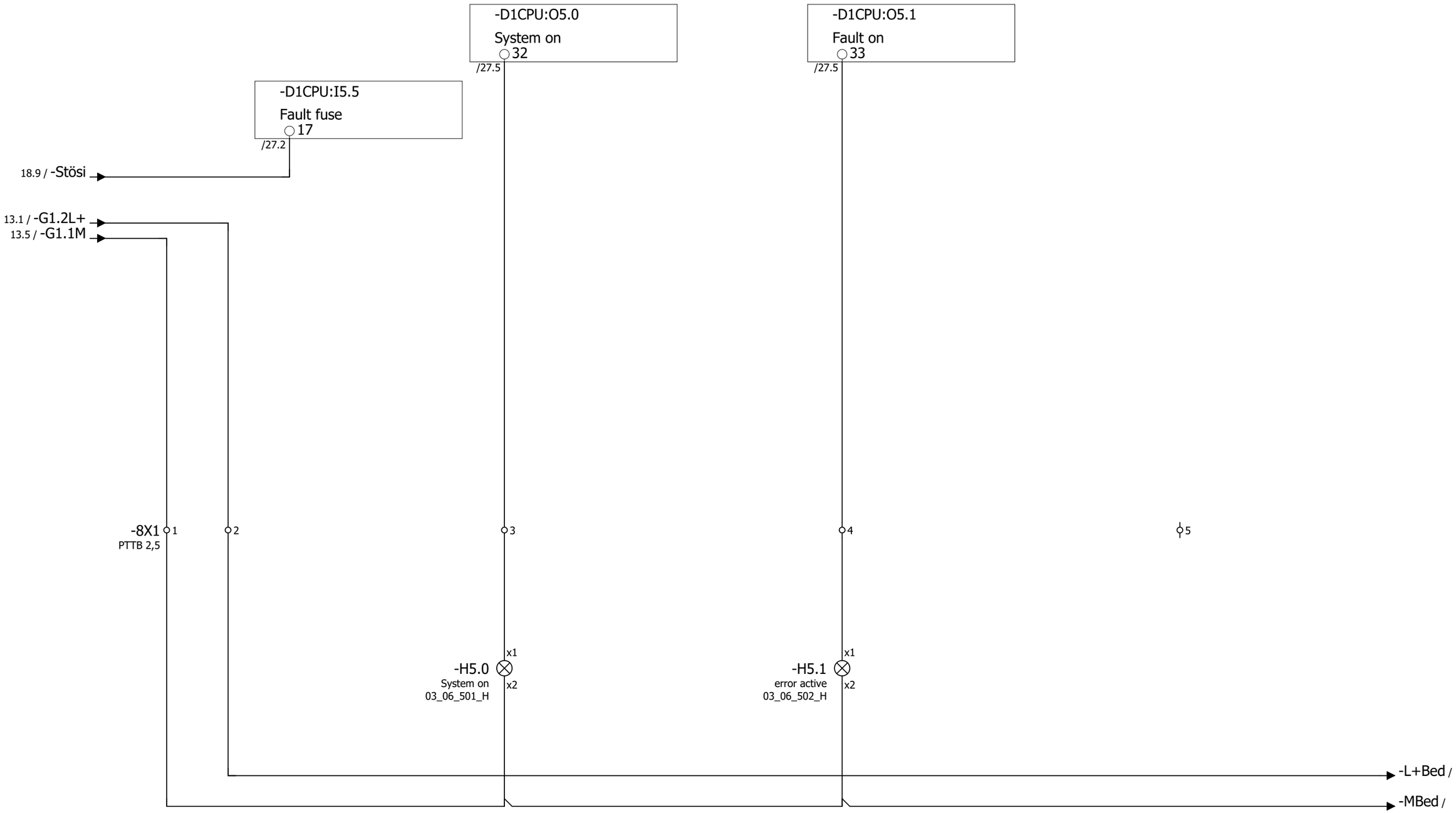

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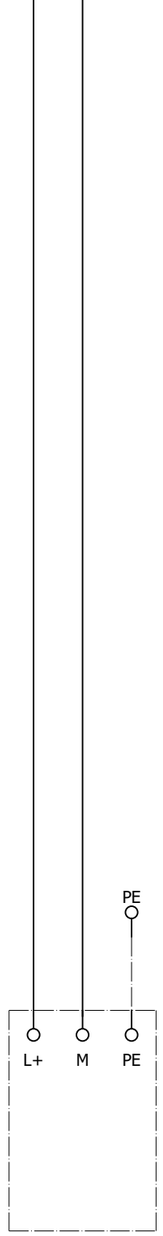
16.2 / 5.2L+
16.2 / 5.2M

5.2L+ /
5.2M /



-A1
SIMATIC TP900 COMFORT PANEL
6AV2124-0JC01-0AX0

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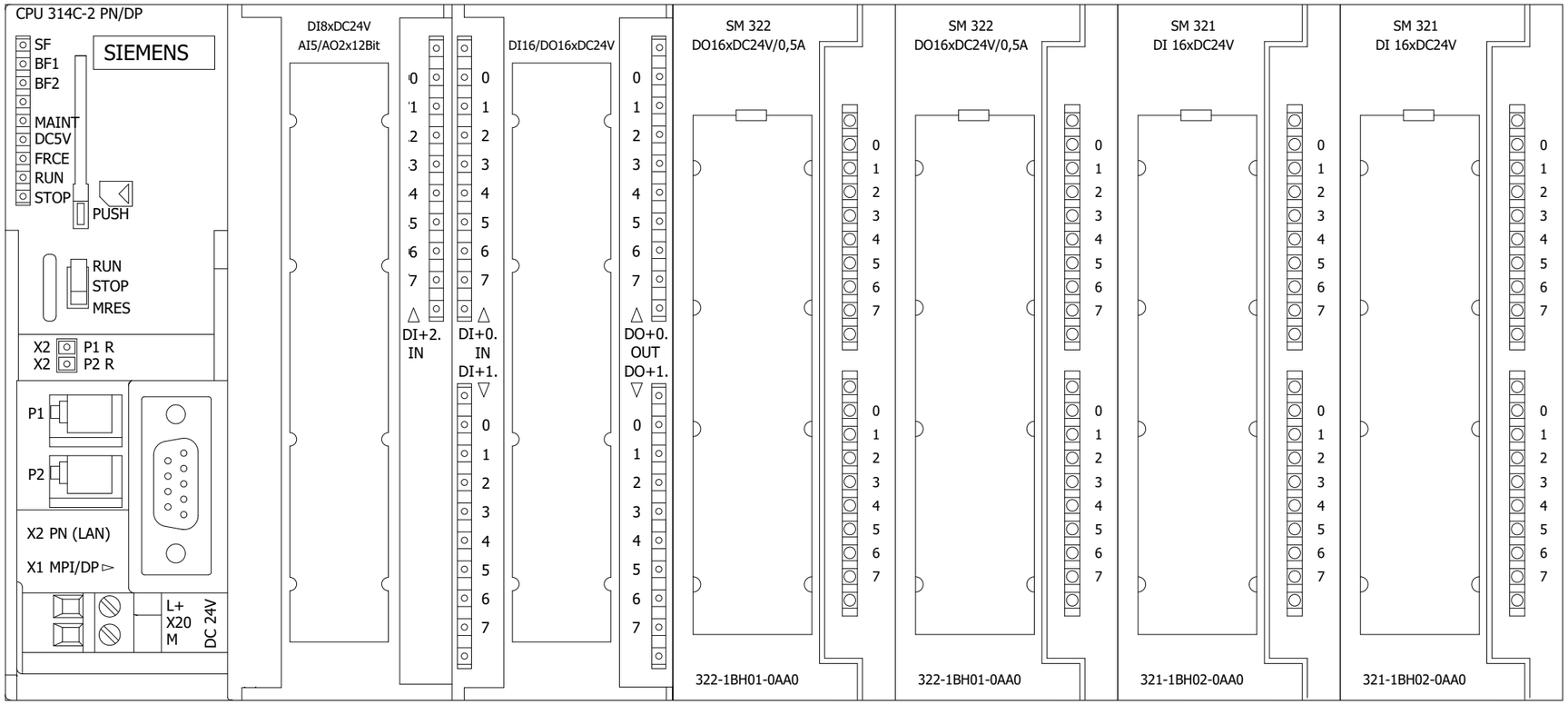
-D8DO /31.2

-D10DO /31.6

-D8DI /29.2

-D10DI /29.6

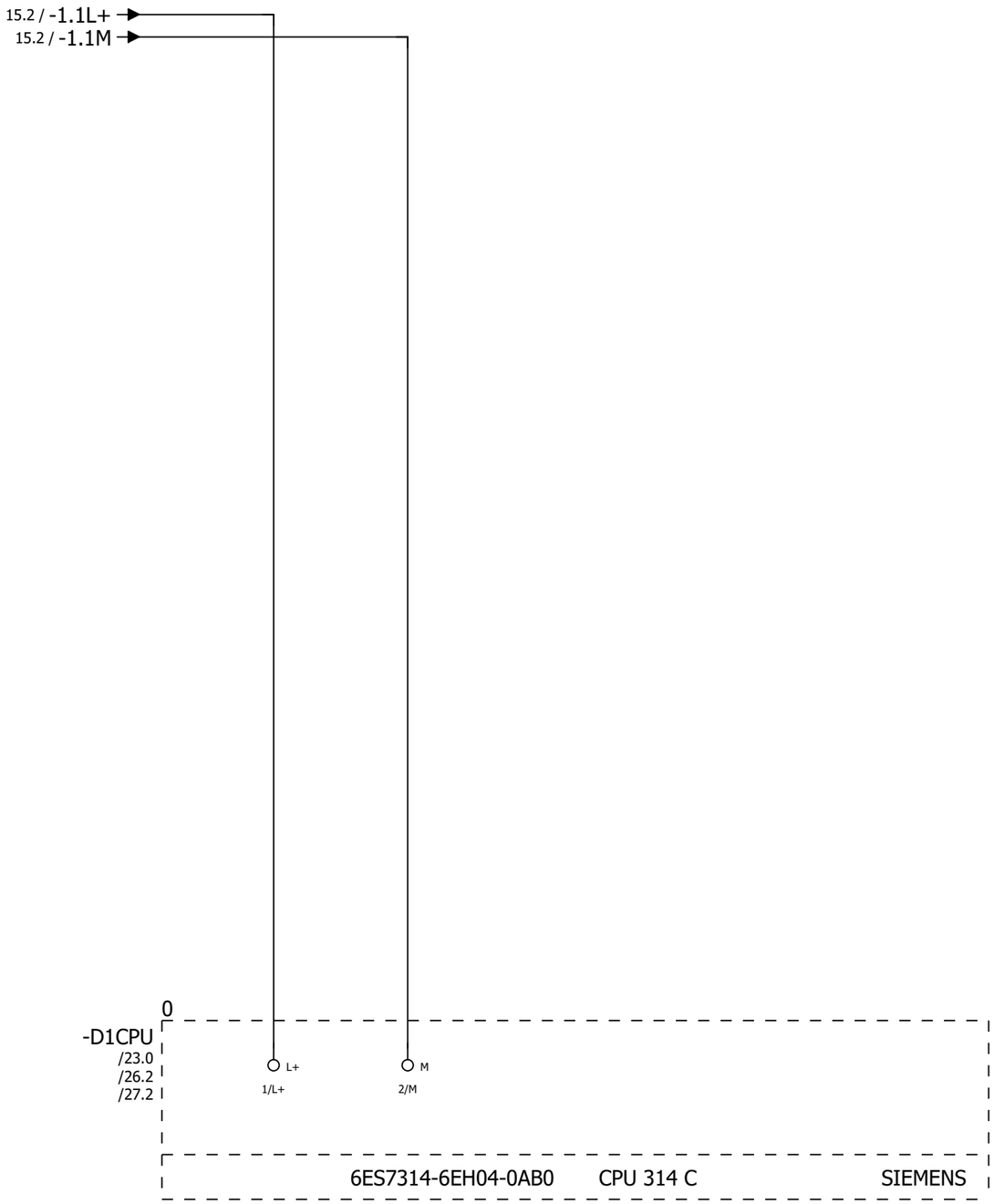


6ES7314-6EH04-0AB0 | 6ES7 322-1BH01-0AA0 | 6ES7 322-1BH01-0AA0 | 6ES7 321-1BH02-0AA0 | 6ES7 321-1BH02-0AA0

			Date	26.10.2018	AZO Solids	Overview S7-300	**119776-00**	= SYS1
			Ed. by	prz	Base project with IEC structure			+ H1
			Appr				-	Page **23**
Modification	Date	Name	Original		Replacement for	Replaced by	-	Pg 125

0	1	2	3	4	5	6	7	8	9

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **24**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125



			Date	26.10.2018	AZO Solids		PLC S7-300 CPU	**119776-00**	= SYS1
			Ed. by	prz	Base project with IEC structure				+ H1
			Appr					-	Page **25**
Modification	Date	Name	Original		Replacement for	Replaced by	-		Pg 125

15.2 / -1.2M
15.2 / -1.3M

Pressure transmitter 4-20mA
PMP01
Channel 0

Pressure transmitter 4-20mA
PMP01
Channel 1

Pressure transmitter 4-20mA
PMP01
Channel 2

Pressure transmitter 4-20mA
SF01
Channel 3

free
Channel 4

free
Channel 0

set value 4-20 mA -U4.3:6 /42.4
Channel 1

-D1CPU
/25.0

S7-300
CPU 314C-2 PN/DP
DI 8x DC 24V AI 5/AO 2x 12 Bit
SIEMENS

-X11:1	X11/1					X11/21	-X11:21	
-X11:2	IPW200 V	X11/2/IWX+4/MV0+				I6.0 X11/22/IX+2.0	-X11:22	/51.2 +PMP01-S4.0REP:13 Vacuum pump on
-X11:3	/65.2 IPW200 A	X11/3/IWX+4/MI0+				I6.1 X11/23/IX+2.1	-X11:23	/51.4 +PMP01-S1REP:13 Vacuum pump on
-X11:4	IWX+4	X11/4/IWX+4/M0-				I6.2 X11/24/IX+2.2	-X11:24	/51.6 +FHP01-S4.2REP:13 Vibration bottom on
-X11:5	IPW202 V	X11/5/IWX+6/MV1+				I6.3 X11/25/IX+2.3	-X11:25	/51.8 +FHP01-S4.3REP:13 Dosing shute on
-X11:6	/65.4 IPW202 A	X11/6/IWX+6/MI1+				I6.4 X11/26/IX+2.4	-X11:26	/52.2 +FHP01-S4.5REP:13 Metal receiver on
-X11:7	IWX+6	X11/7/IWX+6/M1-				I6.5 X11/27/IX+2.5	-X11:27	/43.4 :2 Metal receiver o.k.
-X11:8	IPW204 V	X11/8/IWX+8/MV2+				I6.6 X11/28/IX+2.6	-X11:28	/52.4 +REC01-S4.6REP:13 Vibration bottom on
-X11:9	/65.7 IPW204 A	X11/9/IWX+8/MI2+				I6.7 X11/29/IX+2.7	-X11:29	/52.6 +REC01-S2REP:13 Rotary feeder on
-X11:10	IWX+8	X11/10/IWX+8/M2-				X11/30/4M	-X11:30	4M
-X11:11	IPW206 V	X11/11/IWX+10/MV3+				X11/31	-X11:31	
-X11:12	/65.9 IPW206 A	X11/12/IWX+10/MI3+				X11/32	-X11:32	
-X11:13	IWX+10	X11/13/IWX+10/M3-				X11/33	-X11:33	
-X11:14	IPW208 R	X11/14/IWX+12/M4+				X11/34	-X11:34	
-X11:15	IPW208	X11/15/IWX+12/M4-				X11/35	-X11:35	
-X11:16	OPW200	X11/16/QWX+2/QV0				X11/36	-X11:36	
-X11:17	OPW200	X11/17/QWX+2/QI0				X11/37	-X11:37	
-X11:18	OPW202	X11/18/QWX+4/QV1				X11/38	-X11:38	
-X11:19	OPW202	X11/19/QWX+4/QI1				X11/39	-X11:39	
-X11:20	X11/20/Mana					X11/40	-X11:40	

Mana

6ES7314-6EH04-0AB0

			Date	26.10.2018	AZO Solids	PLC S7-300 CPU dig. in/outputs
			Ed. by	prz	Base project with IEC structure	
			Appr			
Modification	Date	Name	Original		Replacement for	Replaced by

119776-00	= SYS1	
	+ H1	
-	Page	26
	Pg	125

15.2 / -1.4L+
15.2 / -1.4M
15.4 / -2.1L+
15.4 / -2.1M
15.4 / -2.2L+
15.4 / -2.2M

-D1CPU
/25.0

S7-300
CPU 314C-2 PN/DP
DI 16/DO 16x DC 24V
SIEMENS

Vacuum pump on		-X12:1	1L+	X12/1/1L+	X12/21/2L+	2L+	-X12:21	
free	/40.9	-X12:2	I4.0	X12/2/IX.0	X12/22/QX.0	O4.0	-X12:22	/40.7
Vibration bottom on		-X12:3	I4.1	X12/3/IX.1	X12/23/QX.1	O4.1	-X12:23	
Dosing shute on	/41.9	-X12:4	I4.2	X12/4/IX.2	X12/24/QX.2	O4.2	-X12:24	/41.7
free	/42.9	-X12:5	I4.3	X12/5/IX.3	X12/25/QX.3	O4.3	-X12:25	/42.7
Metal receiver on		-X12:6	I4.4	X12/6/IX.4	X12/26/QX.4	O4.4	-X12:26	
Vibration bottom on	/43.8	-X12:7	I4.5	X12/7/IX.5	X12/27/QX.5	O4.5	-X12:27	/43.6
free	/44.9	-X12:8	I4.6	X12/8/IX.6	X12/28/QX.6	O4.6	-X12:28	/44.7
		-X12:9	I4.7	X12/9/IX.7	X12/29/QX.7	O4.7	-X12:29	
		-X12:10		X12/10	X12/30/2M	2M	-X12:30	
		-X12:11		X12/11	X12/31/3L+	3L+	-X12:31	
free		-X12:12	I5.0	X12/12/IX+1.0	X12/32/QX+1.0	O5.0	-X12:32	/20.4
free		-X12:13	I5.1	X12/13/IX+1.1	X12/33/QX+1.1	O5.1	-X12:33	/20.6
free		-X12:14	I5.2	X12/14/IX+1.2	X12/34/QX+1.2	O5.2	-X12:34	/60.8
free		-X12:15	I5.3	X12/15/IX+1.3	X12/35/QX+1.3	O5.3	-X12:35	
free		-X12:16	I5.4	X12/16/IX+1.4	X12/36/QX+1.4	O5.4	-X12:36	
Fault fuse	/20.3	-X12:17	I5.5	X12/17/IX+1.5	X12/37/QX+1.5	O5.5	-X12:37	
free		-X12:18	I5.6	X12/18/IX+1.6	X12/38/QX+1.6	O5.6	-X12:38	
free		-X12:19	I5.7	X12/19/IX+1.7	X12/39/QX+1.7	O5.7	-X12:39	
		-X12:20	1M	X12/20/1M	X12/40/3M	3M	-X12:40	

6ES7314-6EH04-0AB0

System on
Fault on
--ÜF--
free
free
free
free
free
free

			Date	26.10.2018	AZO Solids	PLC S7-300 CPU dig. in/outputs	119776-00
			Ed. by	prz			= SYS1
			Appr		Base project with IEC structure		+ H1
Modification	Date	Name	Original		Replacement for	Replaced by	- Page 27
					-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

27 M: 1:1 29

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **28**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

15.2 / -1.5M
15.2 / -1.6M

-D8DI

1
10
11
20

I8.0	2	Conveying /53.2
I8.1	3	Bypass /53.4
I8.2	4	Fresh air valve closed /63.2
I8.3	5	Fresh air valve open /63.4
I8.4	6	free
I8.5	7	Level indicator empty /54.2
I8.6	8	Limit switch closed /54.4
I8.7	9	free
I9.0	12	Lid closed /55.2
I9.1	13	Lid closed /55.4
I9.2	14	Level indicator empty /55.6
I9.3	15	Level indicator empty /56.2
I9.4	16	PFC on /64.6
I9.5	17	Level indicator empty /57.2
I9.6	18	Lighted push butt. on /59.2
I9.7	19	Lighted push butt. on /59.6

Digital input SM321,16DE S7-300
6ES7321-1BH02-0AA0
Connector 20pol. S7-300
6ES7392-1AJ00-0AA0

-D10DI

1
10
11
20

I10.0	2	free
I10.1	3	free
I10.2	4	free
I10.3	5	free
I10.4	6	free
I10.5	7	free
I10.6	8	free
I10.7	9	free
I11.0	12	free
I11.1	13	free
I11.2	14	free
I11.3	15	free
I11.4	16	free
I11.5	17	free
I11.6	18	free
I11.7	19	free

Digital input SM321,16DE S7-300
6ES7321-1BH02-0AA0
Connector 20pol. S7-300
6ES7392-1AJ00-0AA0

			Date	26.10.2018	AZO Solids	PLC S7-300 digitalinputcards	119776-00
			Ed. by	prz	Base project with IEC structure		= SYS1 + H1
			Appr				- Page 29
Modification	Date	Name	Original		Replacement for	Replaced by	- Pg 125

0	1	2	3	4	5	6	7	8	9

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **30**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

15.4 / -2.3L+
15.4 / -2.3M
15.4 / -2.4L+
15.4 / -2.4M

-D8DO

	1	
	10	
	11	
	20	
O8.0	2	Valve conveying /53.6
O8.1	3	free
O8.2	4	Fresh air valve open /63.6
O8.3	5	free
O8.4	6	Filtercleaning on /58.2
O8.5	7	Filtercleaning on /58.4
O8.6	8	Filtercleaning on /58.6
O8.7	9	free
O9.0	12	Lamp (green) /60.2
O9.1	13	Lamp (yellow) /60.4
O9.2	14	Lamp (red) /60.6
O9.3	15	free
O9.4	16	PFC on /64.2
O9.5	17	free
O9.6	18	Indicat.lamp on /59.4
O9.7	19	Indicat.lamp on /59.8

Digital output SM322,16DA S7-300
6ES7322-1BH01-0AA0
Connector 20pol. S7-300
6ES7392-1AJ00-0AA0

-D10DO

	1	
	10	
	11	
	20	
O10.0	2	free
O10.1	3	free
O10.2	4	free
O10.3	5	free
O10.4	6	free
O10.5	7	free
O10.6	8	free
O10.7	9	free
O11.0	12	free
O11.1	13	free
O11.2	14	free
O11.3	15	free
O11.4	16	free
O11.5	17	free
O11.6	18	free
O11.7	19	free

Digital output SM322,16DA S7-300
6ES7322-1BH01-0AA0
Connector 20pol. S7-300
6ES7392-1AJ00-0AA0

			Date	26.10.2018	AZO Solids	PLC S7-300 digitaloutputcards	119776-00
			Ed. by	prz	Base project with IEC structure	- -	= SYS1 + H1
			Appr				- Page 31
Modification	Date	Name	Original		Replacement for	Replaced by	Pg 125

0	1	2	3	4	5	6	7	8	9

0	1	2	3	4	5	6	7	8	9

32 M: 1:1 34

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **33**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

33 M: 1:1 35

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **34**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

4.2 / -1L1
4.2 / -1L2
4.2 / -1L3

-1L1 / 37.0
-1L2 / 37.0
-1L3 / 37.0

16.2 / -5.1L+
16.2 / -5.1M

-5.1L+ / 37.3
-5.1M / 37.3

PROFINET
PROFINET

-Q1U
Ir= 10-16A
1 3 5
I> I> I>
2 4 6

PE

-U1DFE
-X26
6 0V24
7 +24V
1 SC11
2 SC12
3 GND
RUN
BUS-
FAULT
SEW EURODRIVE
DFE32B
Def IP
AS
0 1
PROFINET IO
-X30
-X32

-SC21 / 37.3
-SC22 / 37.3

Proof DIP switch S12 (last fc =on)

-U1
-X1
L1 L2 L3 PE
7,5 kW
-X2
U V W PE
-X46
1 SC11
2 SC12
3 GND
4 SC21
5 SC22
6 GND
S12
ON
OFF
-X12
DI00 1
DI01 2
DI02 3
DI03 4
DI04 5
DI05 6
VOTF 7
24V 8
GND 9
-X13
DO01-C 5
DO01-N0 6
DO01-NC 7
SEW EURODRIVE
MOVITRAC B 3*400/500V/PE

EMV
-W1Uintern
Ölflex-110-CY
500
4x2.5
cable internal
1 2 3 SH

-U1L1 / 36.0
-U1L2 / 36.0
-U1L3 / 36.0

-U1A1 / 36.3
-U1A2 / 36.3

34 M: 1:1 36

			Date	26.10.2018	AZO Solids		Frequency converter U1	119776-00	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page 35
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

35.2 / -U1L1
35.2 / -U1L2
35.2 / -U1L3

35.6 / -U1A1
35.6 / -U1A2

PE

PE
PT 2,5-PE
EMV

-W1H1M
Ölflex-110-CY
4x2,5

1 2 3 GN/YE SH

+PMP01-S1REP
KG20 T103/D-A126 KL51V
7,5kW
02_03_602_HZ

1 3 5 PE 13 /51.3
2 4 6 14

-W1H1M2
Ölflex-110-CY
4x2,5

1 2 3 GN/YE SH

EMV

-6X1
PTTB 2,5

1 2

EMV

-W1H1R
Unitronic LIYCY
2x0,5

WH BN SH

U1 V1 W1 PE

+PMP01-M1
6kW/11A
400V
Vacuum pump
02_03_202_EU

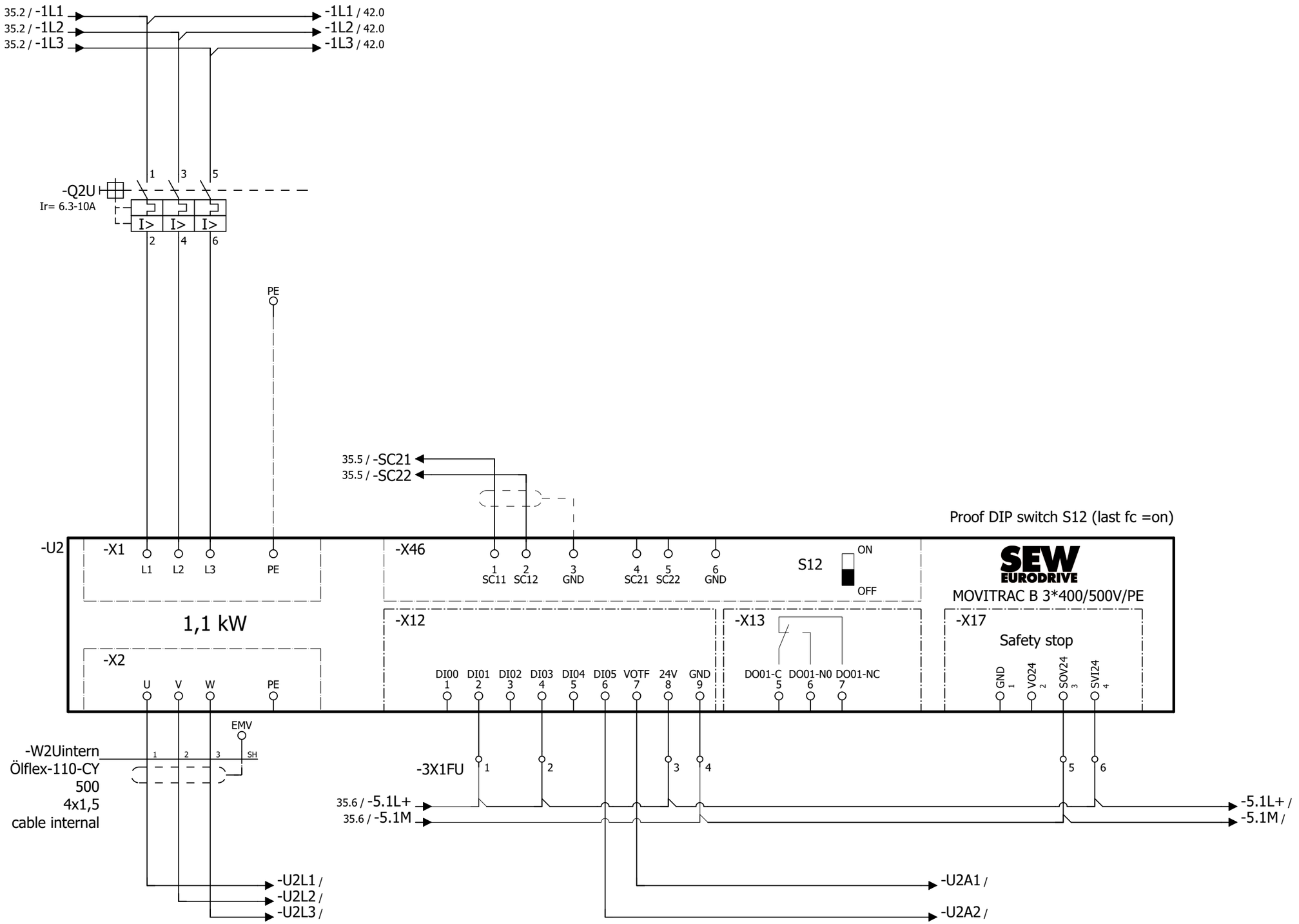
M
3~

1
2

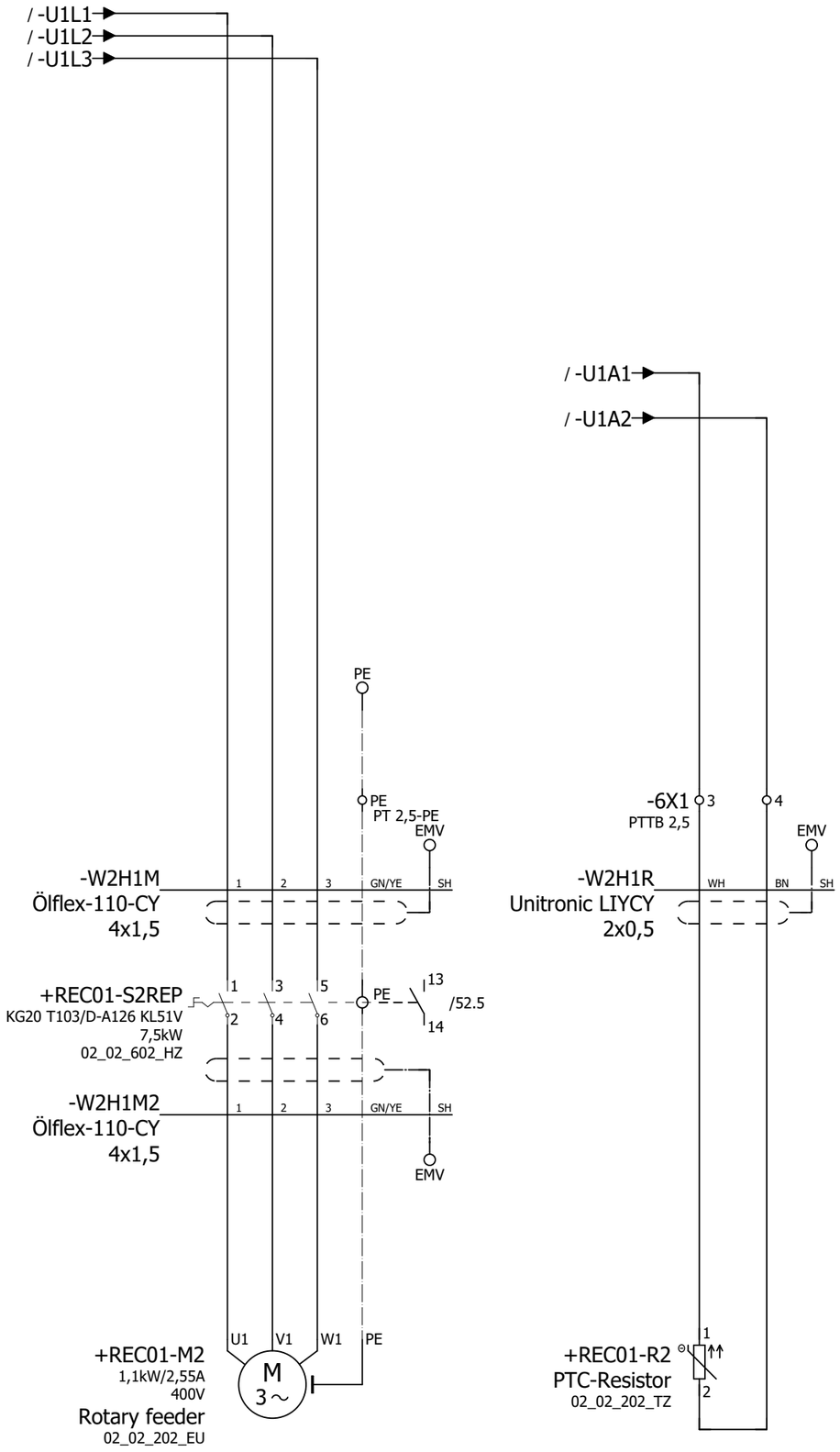
+PMP01-R1
PTC-Resistor
02_03_202_TZ

35 M: 1:1 37

			Date	26.10.2018	AZO Solids		Vakuumpump M%0	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **36**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125



			Date	26.10.2018	AZO Solids	Frequency converter U2	**119776-00**	= SYS1
			Ed. by	prz				+ H1
			Appr		Base project with IEC structure			Page **37**
Modification	Date	Name	Original		Replacement for	Replaced by	-	Pg 125
						-		



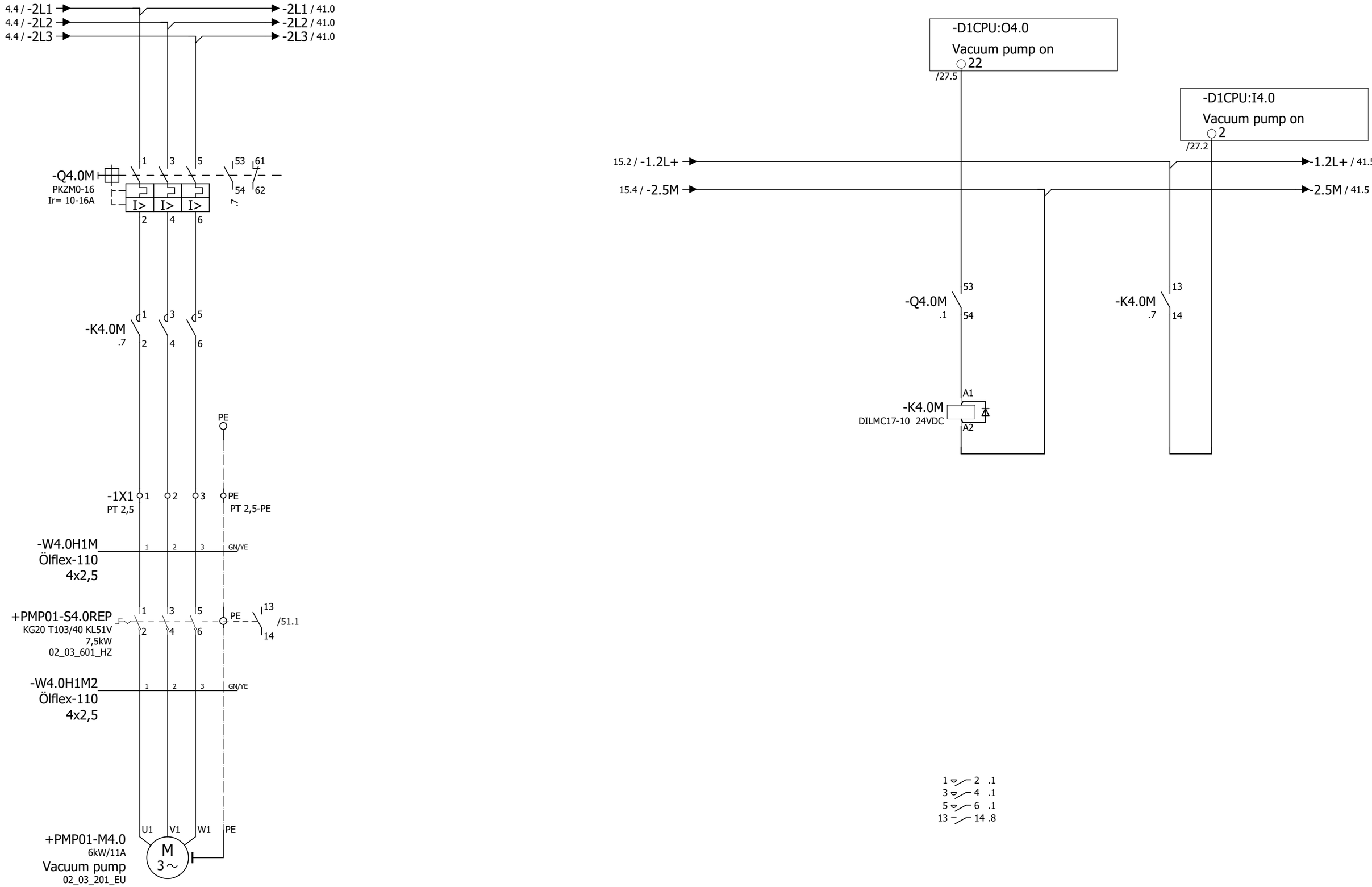
			Date	26.10.2018	AZO Solids	Vakuumpump M%0	**119776-00**	= SYS1
			Ed. by	prz				+ H1
			Appr		Base project with IEC structure		-	Page **37.1**
Modification	Date	Name	Original		Replacement for	Replaced by	-	Pg 125

0	1	2	3	4	5	6	7	8	9

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **38**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

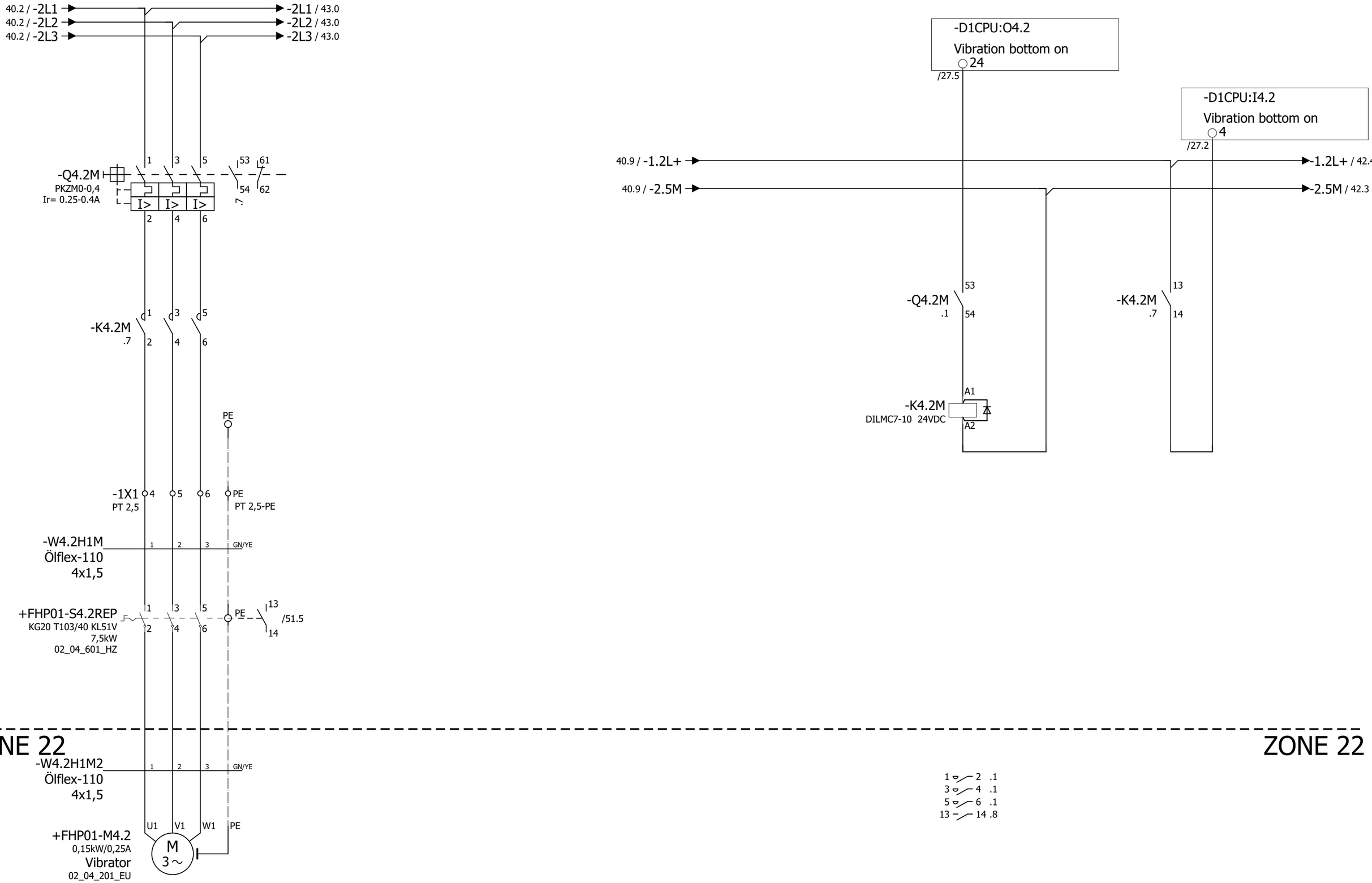
			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **39**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125



			Date	26.10.2018	AZO Solids	Vacuum pump M4.0	**119776-00**	= SYS1
			Ed. by	prz				+ H1
			Appr		Base project with IEC structure		-	Page **40**
Modification	Date	Name	Original		Replacement for	Replaced by	-	Pg 125

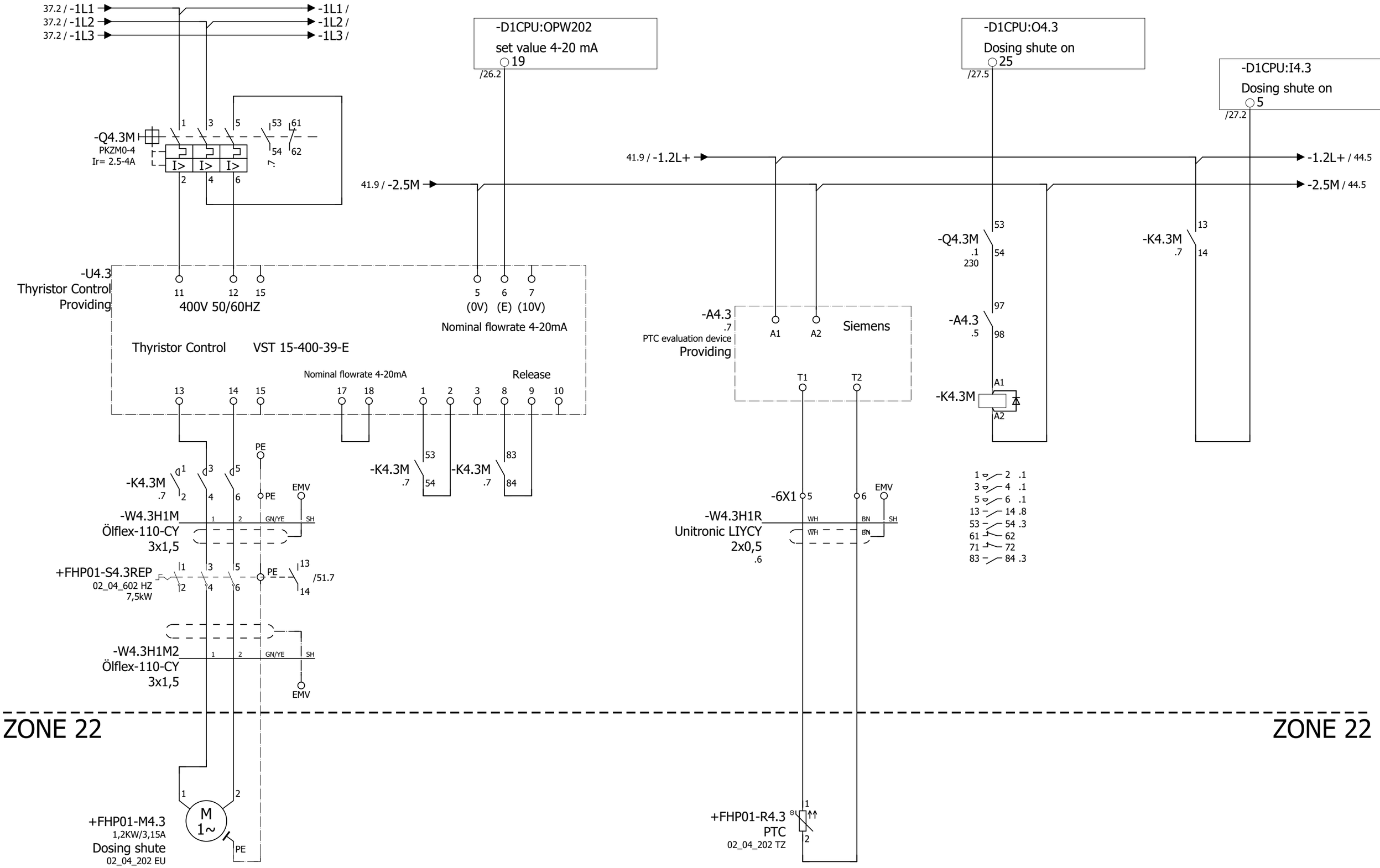
0	1	2	3	4	5	6	7	8	9

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **40.1**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125



40.1 M: 1:1 42

			Date	26.10.2018	AZO Solids		Vibrator M4.2 feeding hopper 01	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **41**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125



41 M: 1:1 42.1

			Date	26.10.2018	AZO Solids		vibratory feeder M4.3 feeding hopper 01	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **42**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **42.1**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

41.2 / -2L1 → -2L1 / 44.0
41.2 / -2L2 → -2L2 / 44.0
41.2 / -2L3 → -2L3 / 44.0

-Q4.5M
Ir= 1-1.6A
1 3 5 53 61
54 62
I> I> I>
2 4 6

-K4.5M
.5
1 3 5
2 4 6

N PE

-1X1 7 8 9 N PE

-W4.5H1M
Ölflex-110
4x1,5
1 2 3 4 GN/YE

/52.1
+FHP01-S4.5REP
02_04_603
Emergency stop function
1 3 5 N PE 13
2 4 6 14

-W4.5H1M2
Ölflex-110
5x1,5
1 2 3 4 GN/YE

+FHP01-M4.5
02_04_203
L1 L2 L3 N PE

-D1CPU:I6.5
Metal receiver o.k.
27
/26.5

-D1CPU:O4.5
Metal receiver on
27
/27.5

-D1CPU:I4.5
Metal receiver on
7
/27.2

43.9 / -1L+ → -1L+ / 43.3
43.9 / -2M → -2M / 43.3

-Q4.5M
.1
230
53
54

-K4.5M
A1
A2

-3X3 1 2 3 4

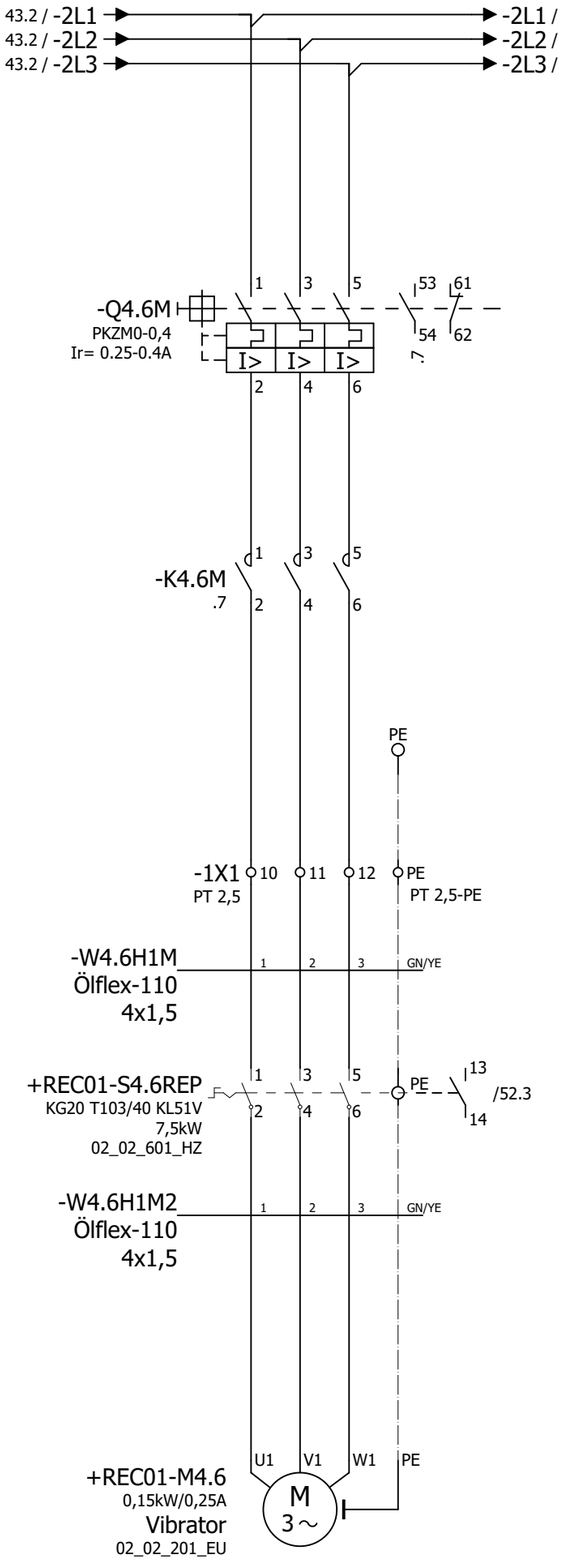
-W4.5H1M3
Ölflex-110
5x0,75
1 2 3 4

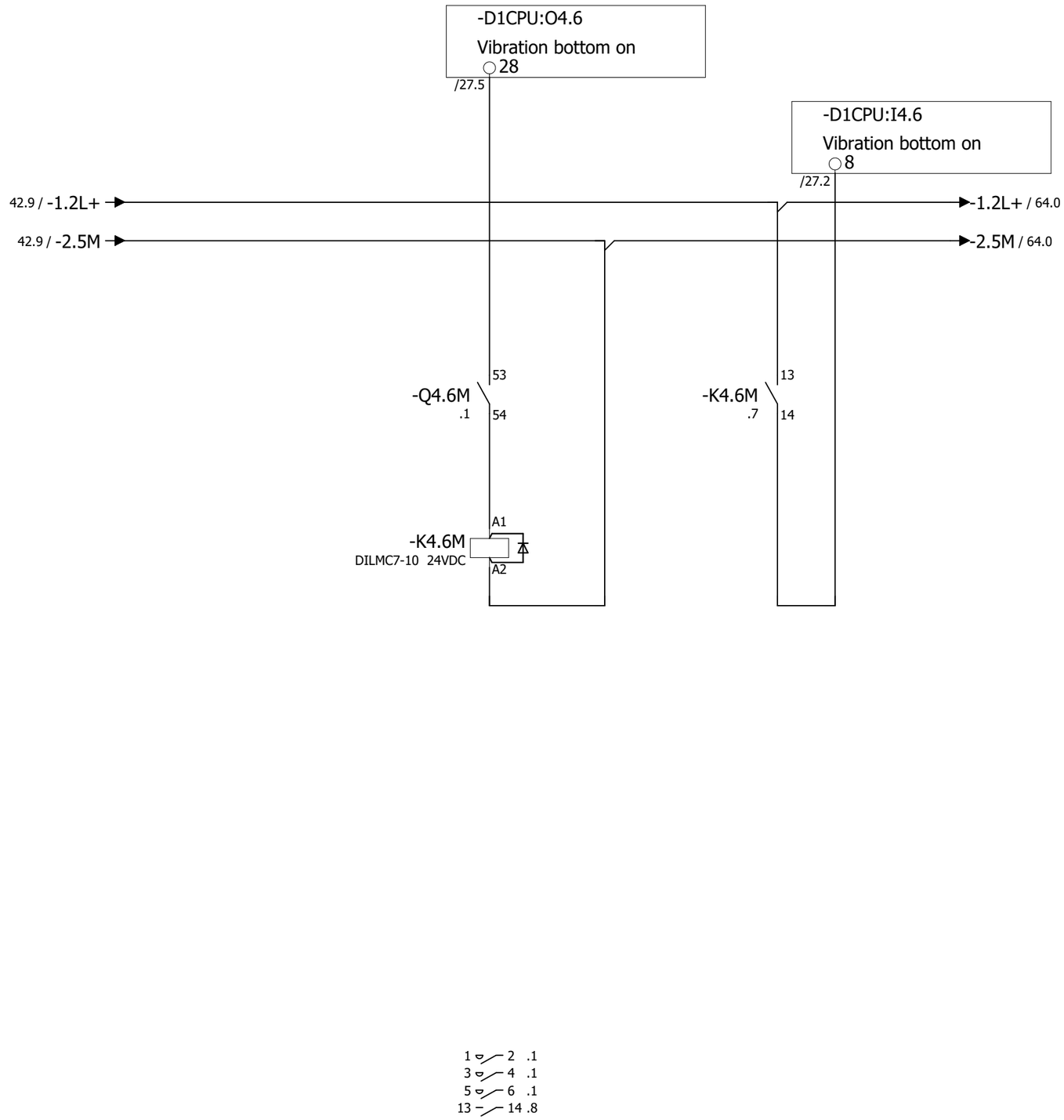
1 2 .1
3 4 .1
5 6 .1
13 14

Control unit
Goudsmit Magnetics

Zone 22

			Date	26.10.2018	AZO Solids		magnet M4.5 feeding hopper 01	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **43**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125





			Date	26.10.2018	AZO Solids	Vibrator M4.6 receiver 01	**119776-00**	= SYS1
			Ed. by	prz				+ H1
			Appr		Base project with IEC structure		-	Page **44**
Modification	Date	Name	Original		Replacement for	Replaced by	-	Pg 125

0	1	2	3	4	5	6	7	8	9

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **45**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

45 M: 1:1 48

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **47**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **48**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

48 M: 1:1 50

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **49**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

-D1CPU:I6.0
Vacuum pump on
22
/26.5

-D1CPU:I6.1
Vacuum pump on
23
/26.5

-D1CPU:I6.2
Vibration bottom on
24
/26.5

-D1CPU:I6.3
Dosing shute on
25
/26.5

-1.7L+ 15.3
-1.7M 15.3

PE
PE
PE
PE
PE
PE
PE
PE
PE

-PE / 52.0
-M / 52.0
-L+ / 52.0

-3X1
PTIO-IN 2,5/4-PE OG

-3X1 1
PTIO 1,5/S/4-PE

-3X1 2
PTIO 1,5/S/4-PE

-3X1 3
PTIO 1,5/S/4-PE

-3X1 4
PTIO 1,5/S/4-PE

-W4.0H1S
Ölflex-110 o.PE
2x0,75

-W1H1S
Ölflex-110 o.PE
2x0,75

-W4.2H1S
Ölflex-110 o.PE
2x0,75

-W4.3H1S
Ölflex-110 o.PE
2x0,75

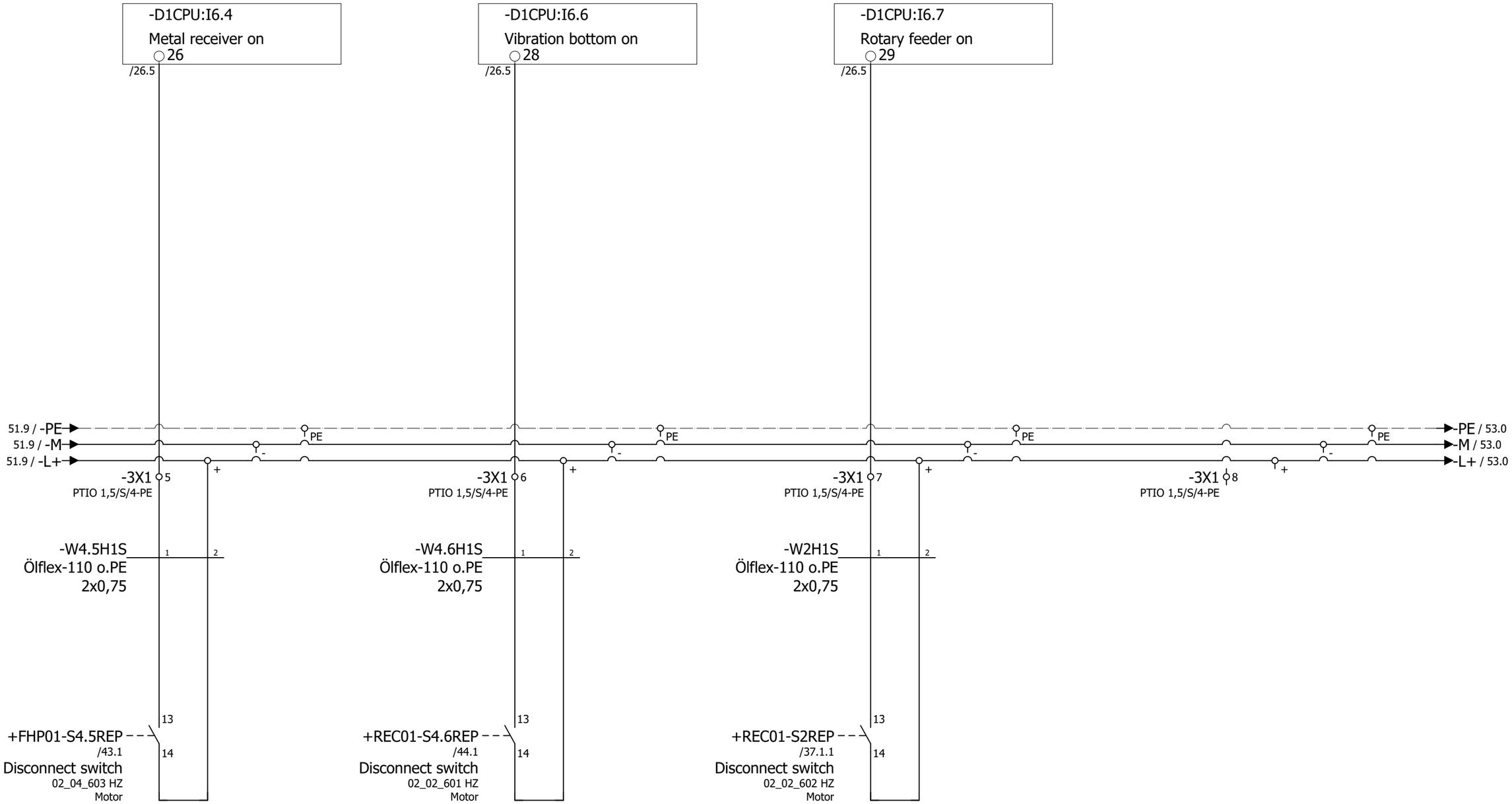
+PMP01-S4.0REP
/40.1
Disconnect switch
02_03_601 HZ
Motor

+PMP01-S1REP
/36.1
Disconnect switch
02_03_602 HZ
Motor

+FHP01-S4.2REP
/41.1
Disconnect switch
02_04_601 HZ
Motor

+FHP01-S4.3REP
/42.1
Disconnect switch
02_04_602 HZ
Motor

			Date	26.10.2018	AZO Solids		Disconnect switch	119776-00	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure				Page 51
Modification	Date	Name	Original		Replacement for	Replaced by	Version 0.1	-	Pg 125



			Date	26.10.2018	AZO Solids		Disconnect switch	119776-00	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page 52
Modification	Date	Name	Original		Replacement for	Replaced by	Version 0.1		Pg 125

-D8DO:O8.0
Valve conveying
2
/31.3

-D8DI:I8.0
Conveying
2
/29.3

-D8DI:I8.1
Bypass
3
/29.3

52.9 / -PE
52.9 / -M
52.9 / -L+

-PE / 54.0
-M / 54.0
-L+ / 54.0

PE
PE
PE
PE

-3X1 9
PTIO 1,5/S/4-PE

-3X1 10
PTIO 1,5/S/4-PE

-3X1 11
PTIO 1,5/S/4-PE

-3X1 12
PTIO 1,5/S/4-PE

-W8.0H1X
Ölflex-110
7x0,75

1 2 3 4 5 6 GN/YE

+PMP01-X8.0
Hose diverter

7 3 8 4 1 5 PE 2 6 PE

Hose diverter
7-000654

-S8.0
Position 1
PMP01/I8.0 G+

-S8.1
Position 2
PMP01/I8.1 G-

-Y8.0
Position 1
PMP01/O8.0 UV+

52 M: 1:1 54

			Date	26.10.2018	AZO Solids		Hose diverter pump PMP01	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure		Version 0.1	-	Page **53**
Modification	Date	Name	Original		Replacement for	Replaced by			Pg 125

-D8DI:I8.5
Level indicator empty
7
/29.3

-D8DI:I8.6
Limit switch closed
8
/29.3

53.9 / -PE
53.9 / -M
53.9 / -L+

-PE / 55.0
-M / 55.0
-L+ / 55.0

PE

-3X1 13
PTIO 1,5/S/4-PE

-3X1 14
PTIO 1,5/S/4-PE

-3X1 15
PTIO 1,5/S/4-PE

-3X1 16
PTIO 1,5/S/4-PE

-W8.5H1S
Ölflex-110
4x0,75
/57.1

1 2 3 GN/YE

-W8.6H1S
Ölflex-110
5x0,75

1 2 3 4

6 7 5 1 2 PE
M

+SF01-S8.5
/57.1
Low level indicator
02_05_601 L-
ROTONIVO RN 3001
Secondary filter

13 21
14 22

+SF01-S8.6
Manual flap closed
02_05_602 G-
Schmersal
EX-ZS-335-11z-3G/D
Secondary filter

53 M: 1:1 55

			Date	26.10.2018	AZO Solids		Sensors Secondary filter SF01	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **54**
Modification	Date	Name	Original		Replacement for	Replaced by	Version 0.1		Pg 125

-D8DI:I9.0
Lid closed
12
/29.3

-D8DI:I9.1
Lid closed
13
/29.3

-D8DI:I9.2
Level indicator empty
14
/29.3

54.9 / -PE
54.9 / -M
54.9 / -L+

-PE / 56.0
-M / 56.0
-L+ / 56.0

-3X1 17
PTIO 1,5/S/4-PE

-3X1 18
PTIO 1,5/S/4-PE

-3X1 19
PTIO 1,5/S/4-PE

-3X1 20
PTIO 1,5/S/4-PE

-W9.0H1S
Ölflex-110
5x0,75

-W9.1H1S
Ölflex-110
5x0,75

-W9.2H1S
Ölflex-110
4x0,75
GN/YE

ZONE 22

ZONE 22

13(BK)
14(BU)
21(WH
22(BN)

+FHP01-S9.0
Limit switch cover
02_04_301 G-
Schmersal
EX-BNS 250-11zG-3G/D 5,0M
Feeding hopper

Data sheet

+FHP01-S9.1
Limit switch cover
02_04_302 G-
Schmersal
EX-BNS 250-11zG-3G/D 5,0M
Feeding hopper

Data sheet

6 7 5 1 2 PE
M

+FHP01-S9.2
Low level indicator
02_04_303 L-
ROTONIVO RN 3001
Feeding hopper

54 M: 1:1 56

			Date	26.10.2018	AZO Solids		Sensors feeding hopper FHP01	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure		Version 0.1	-	Page **55**
Modification	Date	Name	Original		Replacement for	Replaced by			Pg 125

-D8DI:I9.3
Level indicator empty
15
/29.3

55.9 / -PE
55.9 / -M
55.9 / -L+

-3X1 21
PTIO 1,5/S/4-PE

-3X1 22
PTIO 1,5/S/4-PE

-3X1 23
PTIO 1,5/S/4-PE

-3X1 24
PTIO 1,5/S/4-PE

-PE / 57.0
-M / 57.0
-L+ / 57.0

-W9.3H1S
Ölflex-110
4x0,75
1 2 3 GN/YE

6 7 5 1 2 PE
M

+REC-S9.3
High level indicator
02_02_301 L+
ROTONIVO RN 3001
Receiver

			Date	26.10.2018	AZO Solids		Sensors Receiver REC01	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure		Version 0.1	-	Page **56**
Modification	Date	Name	Original		Replacement for	Replaced by			Pg 125

-D8DI:I9.5
Level indicator empty
17
/29.3

56.9 / -PE
56.9 / -M
56.9 / -L+

-3X1 25
PTIO 1,5/S/4-PE
-3X1 26
PTIO 1,5/S/4-PE
-3X1 27
PTIO 1,5/S/4-PE
-3X1 28
PTIO 1,5/S/4-PE

PE

-PE / 58.0
-M / 58.0
-L+ / 58.0

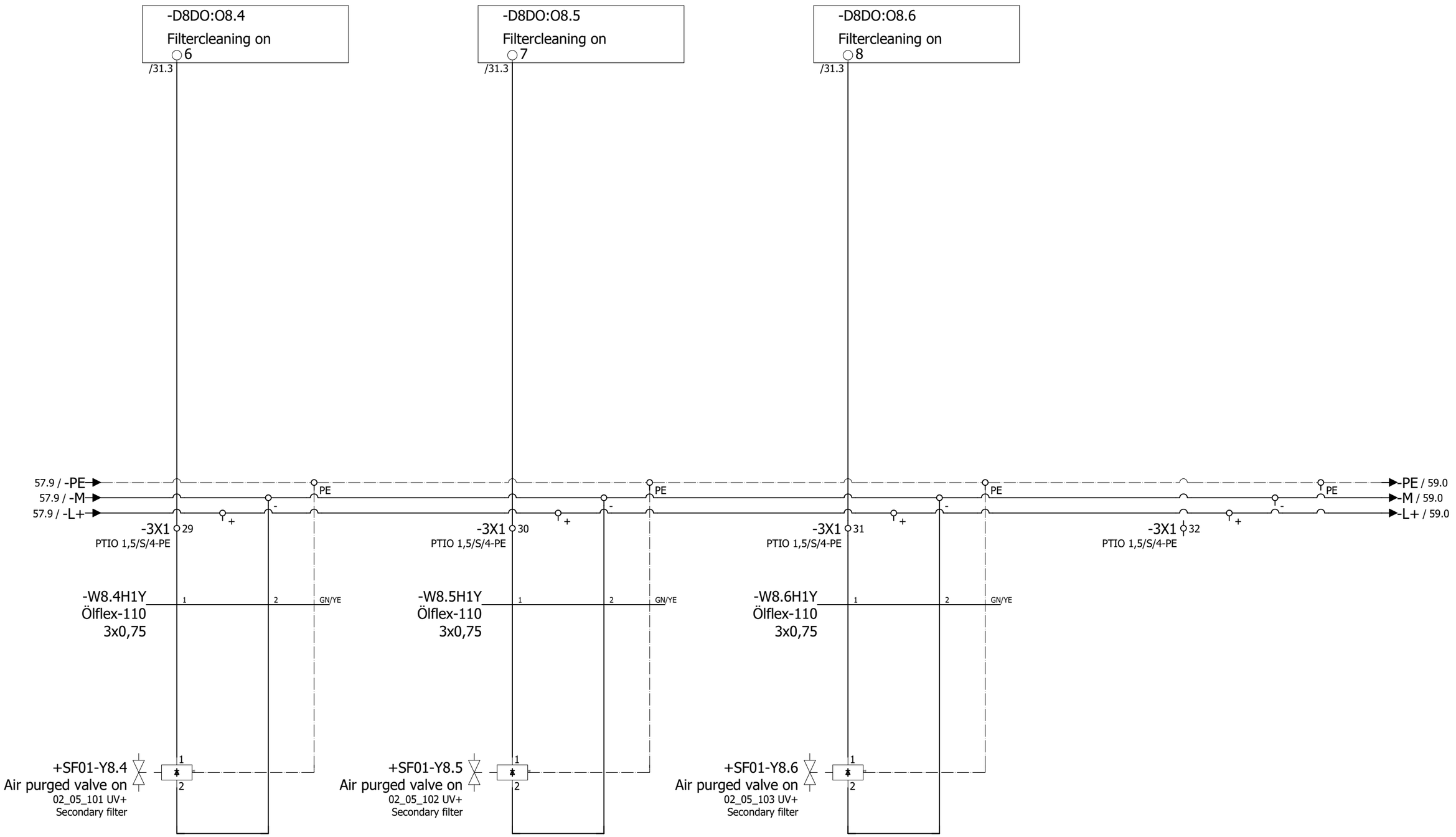
-W8.5H1S
Ölflex-110
4x0,75
/54.1

1 2 3 GN/YE

6 7 5 1 2 PE
M

+SF01-S8.5
/54.1
Low level indicator
SF01/I8.5 L-
ROTONIVO RN 3001
Secondary filter

			Date	26.10.2018	AZO Solids		Sensors hopper 01	119776-00	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page 57
Modification	Date	Name	Original		Replacement for	Replaced by	Version 0.1		Pg 125



			Date	26.10.2018	AZO Solids		Valves secondary filter SF01	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure		Version 0.1	-	Page **58**
Modification	Date	Name	Original		Replacement for	Replaced by			Pg 125

-D8DO:O9.6
Indicat.lamp on
18
/31.3

-D8DO:O9.7
Indicat.lamp on
19
/31.3

-D8DI:I9.6
Lighted push butt. on
18
/29.3

-D8DI:I9.7
Lighted push butt. on
19
/29.3

58.9 / -PE
58.9 / -M
58.9 / -L+

-PE / 60.0
-M / 60.0
-L+ / 60.0

PE
PE
PE
PE

-3X1 33 PTIO 1,5/S/4-PE
-3X1 34 PTIO 1,5/S/4-PE
-3X1 35 PTIO 1,5/S/4-PE
-3X1 36 PTIO 1,5/S/4-PE

-W9.6H1H
Ölflex-110
7x0,75

1 2 3 4 5 6 GN/YE

+FHP01-H9.6

-S9.6 E
Start conveying
02_04_604_H
13
14

-H9.6
Start conveying
02_04_504_H
x1
x2

-S9.7 E
Stop conveying
02_04_605_H
13
14

-H9.7
Stop conveying
02_04_505_H
x1
x2

PE

58 M: 1:1 60

			Date	26.10.2018	AZO Solids		Operation feeding hopper 01	119776-00	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure		Version 0.1	-	Page 59
Modification	Date	Name	Original		Replacement for	Replaced by			Pg 125

-D8DO:O9.0
Lamp (green)
12
/31.3

-D8DO:O9.1
Lamp (yellow)
13
/31.3

-D8DO:O9.2
Lamp (red)
14
/31.3

-D1CPU:O5.2
Buzzer on
34
/27.5

59.9 / -PE
59.9 / -M
59.9 / -L+

-PE / 61.0
-M / 61.0
-L+ / 61.0

-3X1 37 PTIO 1,5/S/4-PE
-3X1 38 PTIO 1,5/S/4-PE
-3X1 39 PTIO 1,5/S/4-PE
-3X1 40 PTIO 1,5/S/4-PE

-W9.0H1H
Ölflex-110
7x0,75

+HP01-H9.0
Signal light

-H9.0 x1 x2
GN
Operation
02_06_505_H

-H9.1 x1 x2
YE
Warning
02_06_506_H

-H9.2 x1 x2
RT
Fault
02_06_507_H

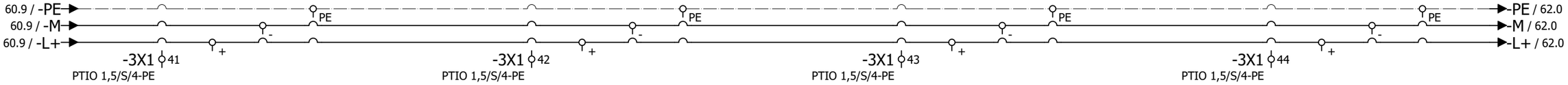
-H5.2 x1 x2
Hopper empty
03_06_503_H

59

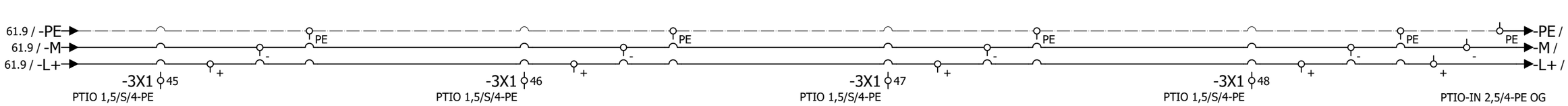
M: 1:1

61

			Date	26.10.2018	AZO Solids	Operation signal column	119776-00	= SYS1
			Ed. by	prz	Base project with IEC structure			+ H1
			Appr			Version 0.1	-	Page 60
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125



			Date	26.10.2018	AZO Solids		Reserve clamps	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **61**
Modification	Date	Name	Original		Replacement for	Replaced by	Version 0.1		Pg 125



			Date	26.10.2018	AZO Solids		Reserve clamps	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure		Version 0.1	-	Page **62**
Modification	Date	Name	Original		Replacement for	Replaced by			Pg 125

-D8DI:I8.2
Fresh air valve closed
4
/29.3

I8.3
Fresh air valve open
5
/29.3

-D8DO:O8.2
Fresh air valve open
4
/31.3

-1.8L+ 15.3

-1.8M 15.3

-A8.2

1.1 +24VDC
1.2 GND
3.1
3.2
2.1
2.2

XS4 LFD
XS3 LFD
XS2 GND
XS1 +24V

Switch amplifier
CH1
CH2
MACX MCR-EX-SL-2NAM-RO-SP - 2924087

4.1
4.2
5.1
5.2

-F450.2
1
2

-3X1D
-1
+2
PE

-W8.1H1S
Ölflex-EB
2x0,75
1
2

-W8.2H1S
Ölflex-EB
2x0,75
1
2

-W82H1Y
Ölflex-110
3x0,75
1
2
GN/YE

ZONE 22

ZONE 22

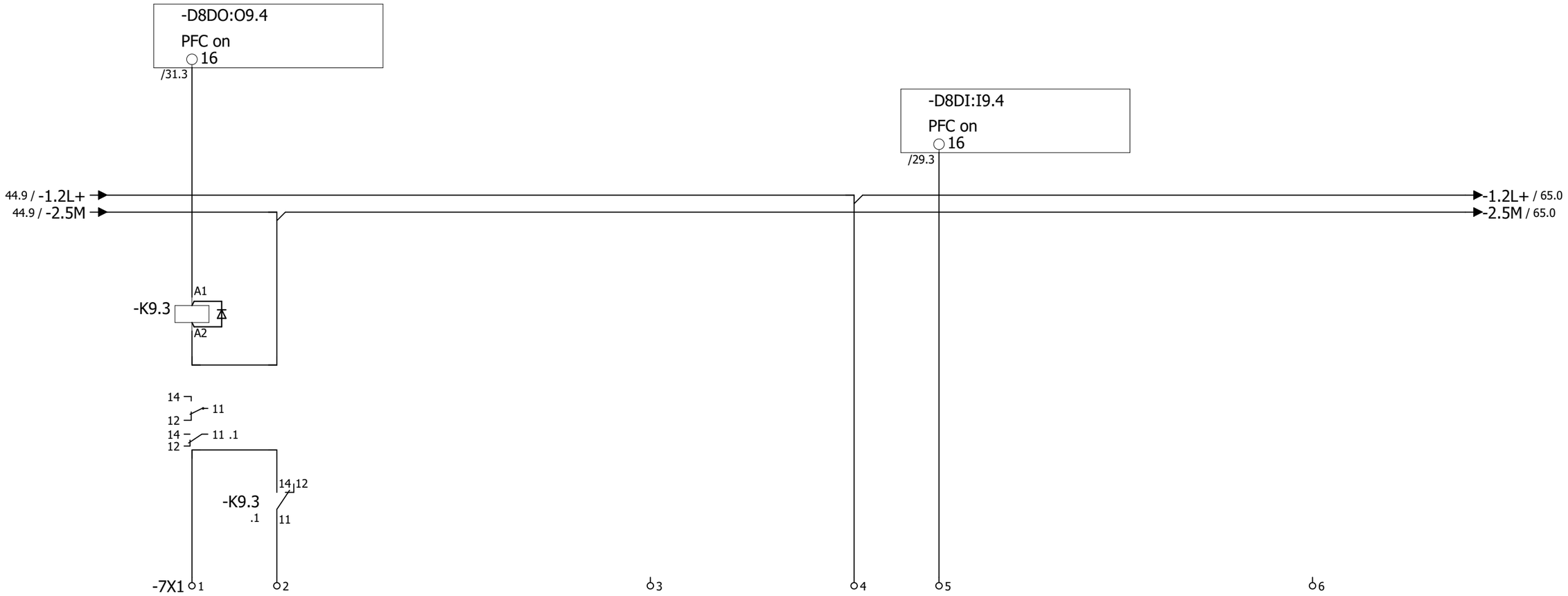
BN
+FHP01-S8.1
Fresh air valve closed
02_04_101 G-
Turck BIM-PST-Y1X TU
BU

BN
+FHP01-S8.2
Fresh air valve open
02_04_101 G+
Turck BIM-PST-Y1X TU
BU

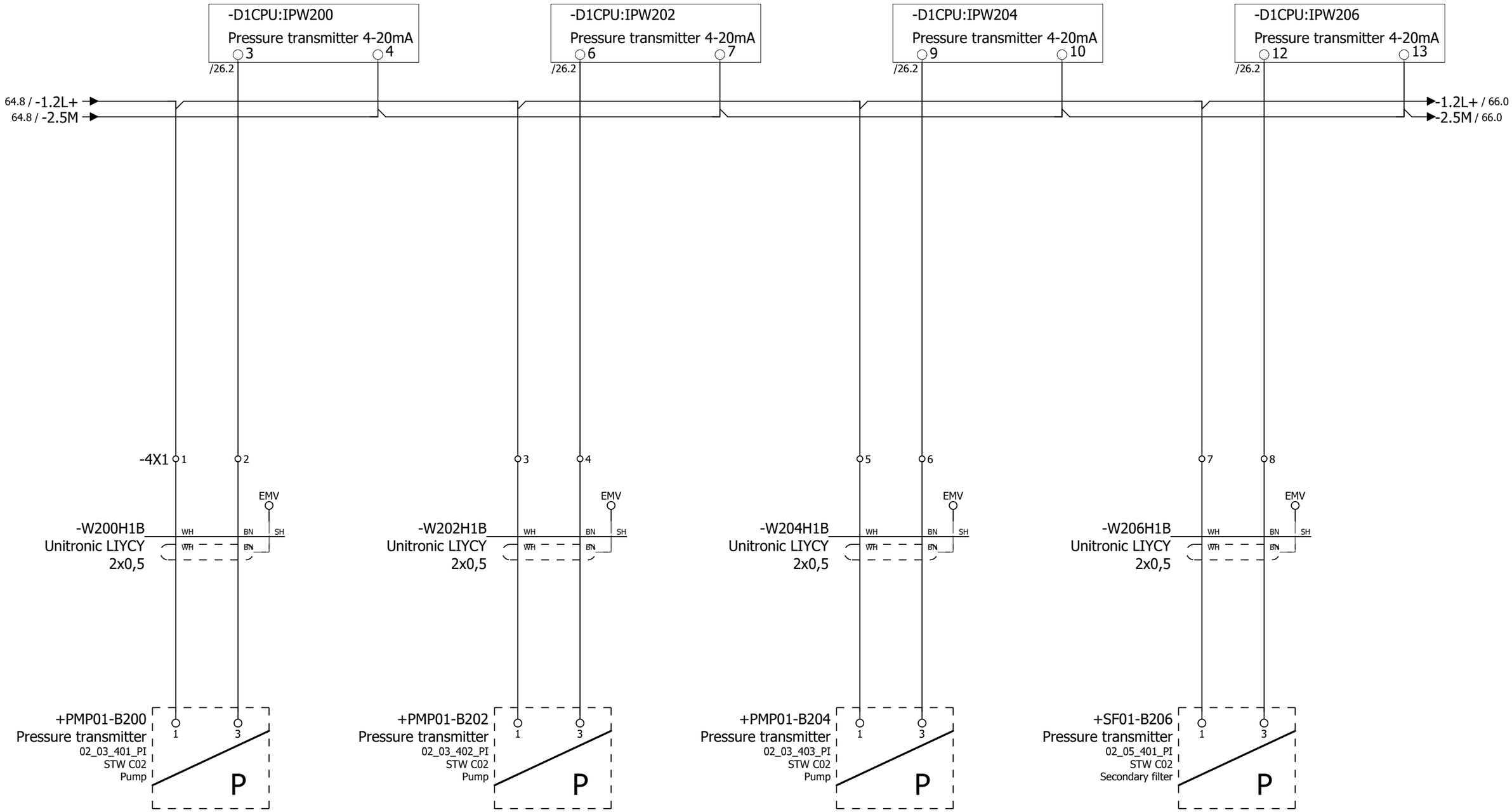
+SC15-Y450.2
Fresh air valve closed
02_04_101 UV-
Feeding hopper
1
2

62 M: 1:1 64

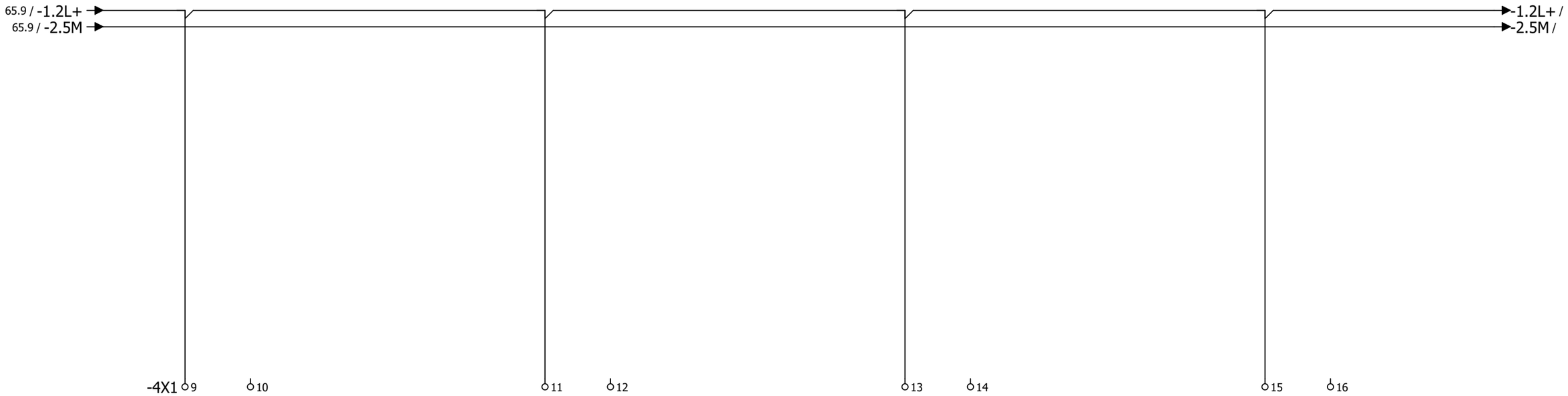
			Date	26.10.2018	AZO Solids		Fresh air valve feeding hopper 01	119776-00	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure				Page 63
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125



			Date	26.10.2018	AZO Solids	PFC hopper 01	**119776-00**	= SYS1
			Ed. by	prz				+ H1
			Appr		Base project with IEC structure	Version 0.1	-	Page **64**
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125



			Date	26.10.2018	AZO Solids		Pressure transmitter	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure				Page **65**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125



65

M: 1:1

67

			Date	26.10.2018	AZO Solids Base project with IEC structure	Reserve clamps
			Ed. by	prz		
			Appr			
Modification	Date	Name	Original		Replacement for	Replaced by
					-	-

119776-00

= SYS1

+ H1

-

Page **66**

Pg 125

0	1	2	3	4	5	6	7	8	9

			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **67**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

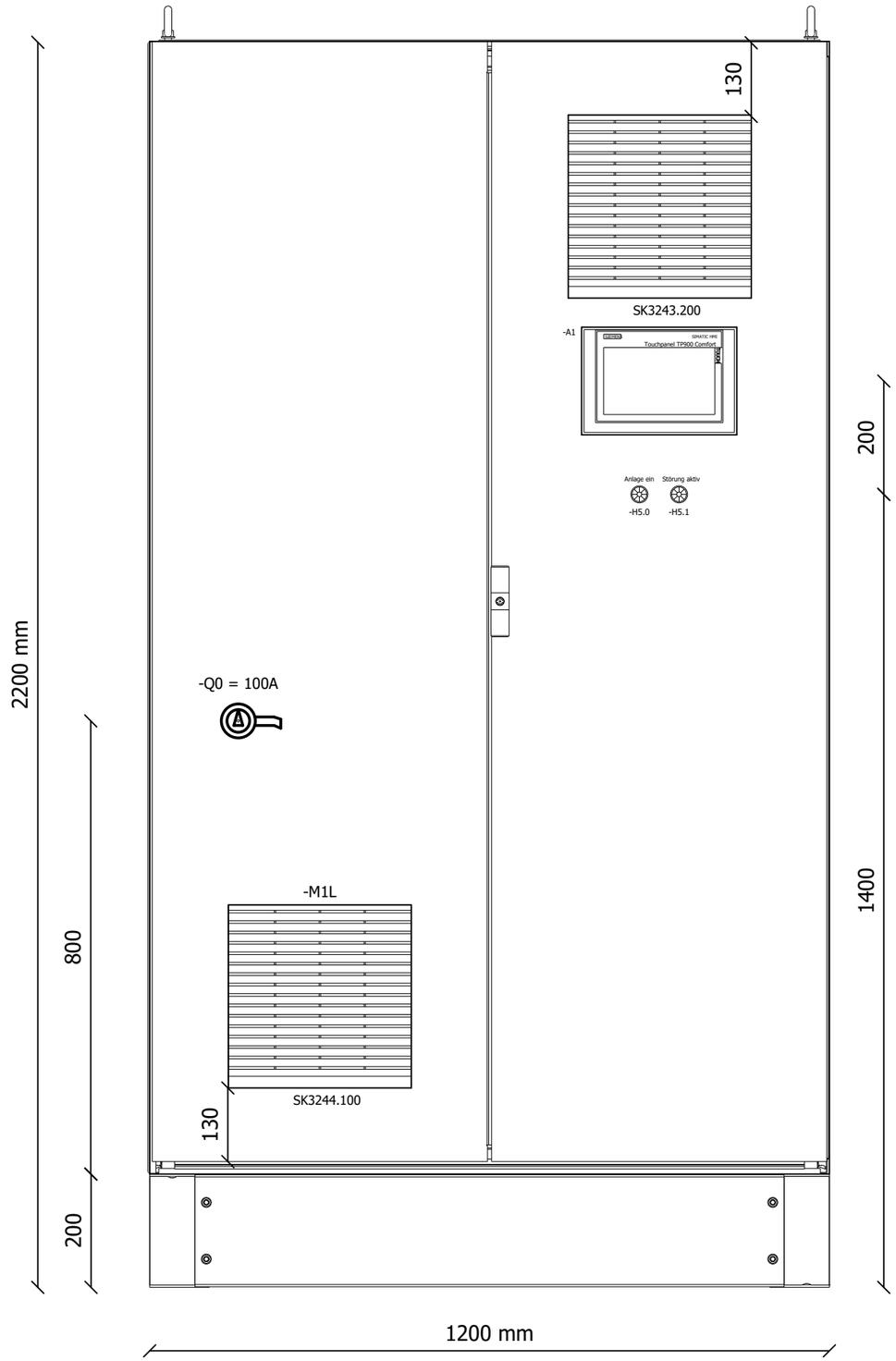
			Date	26.10.2018	AZO Solids		Reserve	**119776-00**	= SYS1
			Ed. by	prz					+ H1
			Appr		Base project with IEC structure			-	Page **68**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

			Date	26.10.2018	AZO Solids		Reserve	119776-00	= SYS1
			Ed. by	prz	Base project with IEC structure				+ H1
			Appr					-	Page 69
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

0	1	2	3	4	5	6	7	8	9

=SYS1+H1
VX8206.500
1200x2000x600 mm

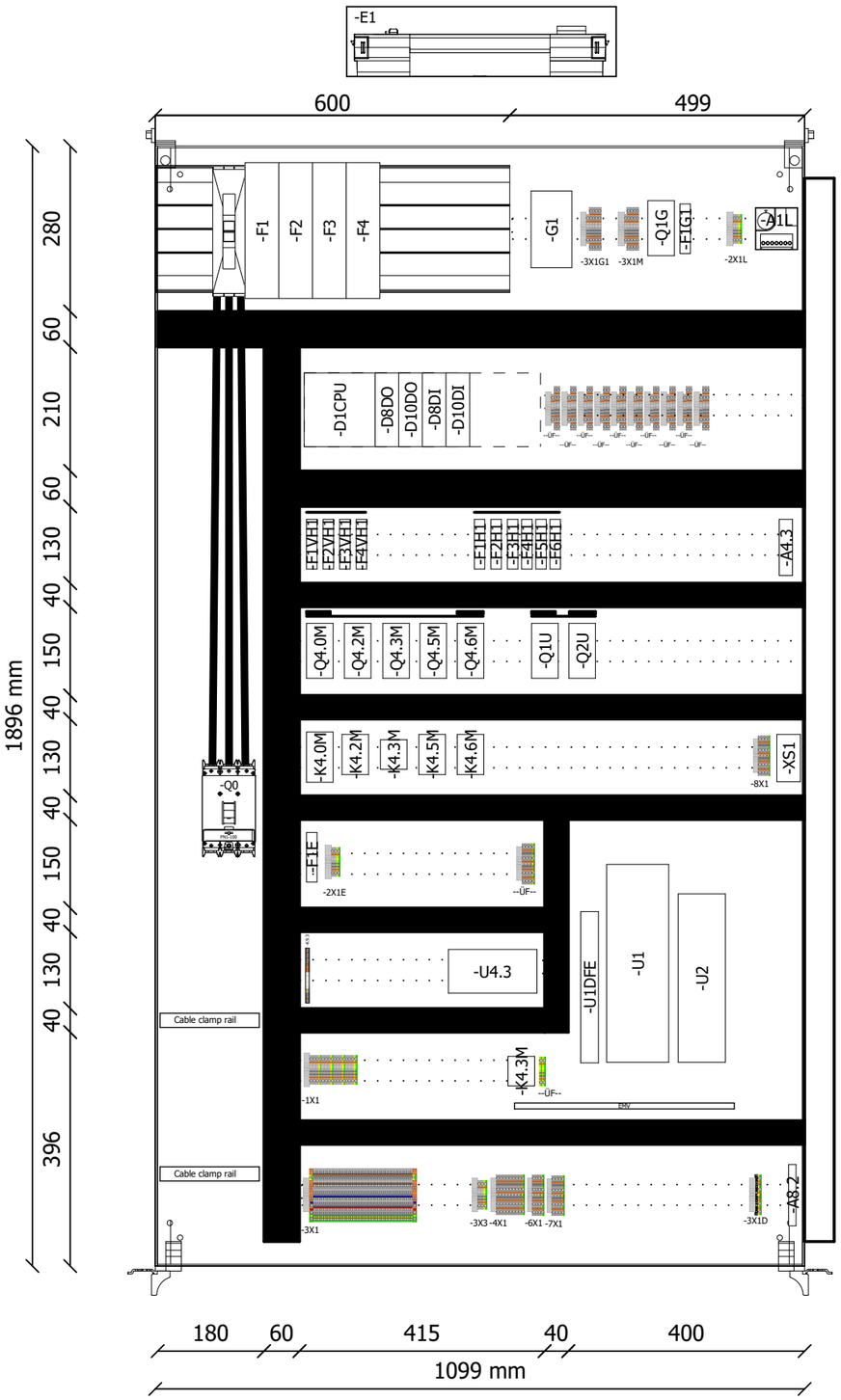


=SYS1+H1/69 M: 1:10 2

			Date	26.10.2018	AZO Solids		MCC H1 Build up cabinet	1292904	**119776-00**	= DOKU
			Ed. by	prz						+ MPL
			Appr		Base project with IEC structure				-	Page **1**
Modification	Date	Name	Original		Replacement for	Replaced by	-	-		Pg 125

0	1	2	3	4	5	6	7	8	9

=SYS1+H1
VX8206.500

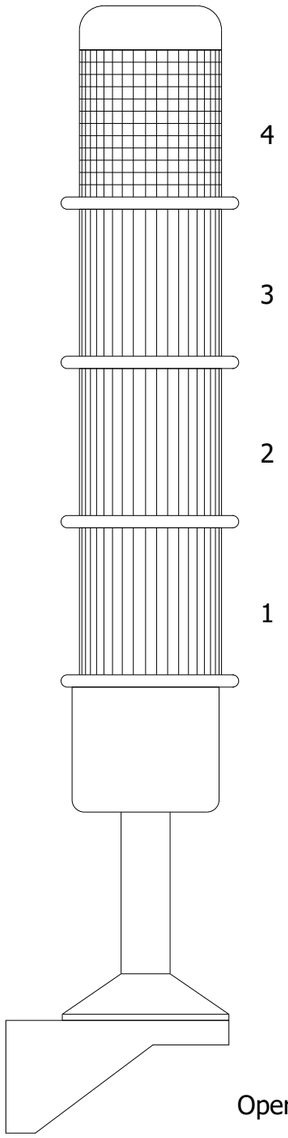


1 M: 1:10 3

			Date	26.10.2018	AZO Solids		MCC H1 Mountingplate	1292904	= DOKU
			Ed. by	prz	Base project with IEC structure				+ MPL
			Appr						Page 2
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	- Pg 125

119776-00

--ÜF--



Operation Label:

1 = H9.0 ..... Lamp (green)
2 = H9.1 ..... Lamp (yellow)
3 = H9.2 ..... Lamp (red)
4 = H5.2 ..... Acustic signal

2 M: 1:2,5 4

			Date	26.10.2018	AZO Solids		Operation signal column	119776-00	= DOKU
			Ed. by	prz					+ MPL
			Appr		Base project with IEC structure		- MATERIAL: 116019-00/10_1286098_Bedienung +P11 -	-	Page 3
Modification	Date	Name	Original		Replacement for	Replaced by			Pg 125

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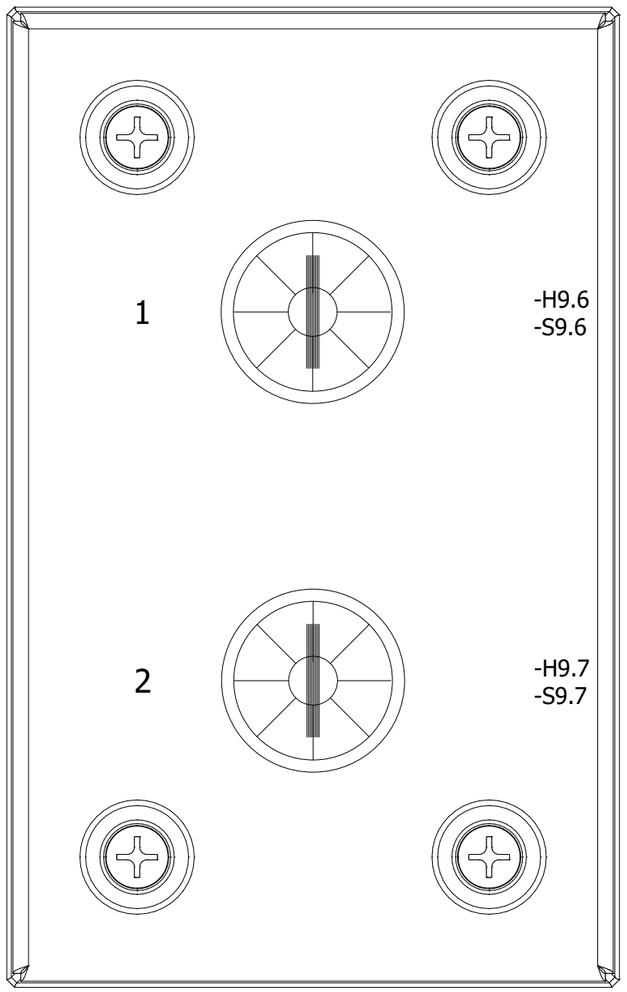

Start conveying

Stop conveying

3 M: 1:1 +REF/1

			Date	26.10.2018	AZO Solids		Operation feeding hopper 01	**119776-00**	= DOKU
			Ed. by	prz					+ MPL
			Appr		Base project with IEC structure		Version 1.6	-	Page **4**
Modification	Date	Name	Original		Replacement for	Replaced by			Pg 125

hsh_P8_EMSR_Referenzliste_PSL_Einspaltig

List of reference EMSR

EMSR	DT	Page Path

			Date	26.10.2018	AZO Solids Base project with IEC structure	
			Ed. by	prz		
			Appr			
Modification	Date	Name	Original		Replacement for	Replaced by

-

-

119776-00	= DOKU	
	+ REF	
-	Page	**1**
	Pg	125

List of reference EMSR

AZO_C_P8_EMSR_Referenzliste_PSL_Einspaltig

EMSR	DT	Page Path
03_06_501_H	=SYS1+H1-H5.0	=SYS1+H1/20.3
03_06_502_H	=SYS1+H1-H5.1	=SYS1+H1/20.5
02_03_401_PI	=SYS1+PMP01-B200	=SYS1+H1/65.1
02_03_402_PI	=SYS1+PMP01-B202	=SYS1+H1/65.3
02_03_403_PI	=SYS1+PMP01-B204	=SYS1+H1/65.5
02_03_202_EU	=SYS1+PMP01-M1	=SYS1+H1/36.1
02_03_201_EU	=SYS1+PMP01-M4.0	=SYS1+H1/40.1
02_03_202_TZ	=SYS1+PMP01-R1	=SYS1+H1/36.3
02_03_602_HZ	=SYS1+PMP01-S1REP	=SYS1+H1/36.1
02_03_601_HZ	=SYS1+PMP01-S4.0REP	=SYS1+H1/40.1
PMP01/I8.1 G-	=SYS1+PMP01-X8.0-S8.1	=SYS1+H1/53.3
02_02_202_EU	=SYS1+REC01-M2	=SYS1+H1/37.1.1
02_02_201_EU	=SYS1+REC01-M4.6	=SYS1+H1/44.1
02_02_202_TZ	=SYS1+REC01-R2	=SYS1+H1/37.1.3
02_02_602_HZ	=SYS1+REC01-S2REP	=SYS1+H1/37.1.1
02_02_601_HZ	=SYS1+REC01-S4.6REP	=SYS1+H1/44.1
02_04_504_H	=SYS1+FHP01-H9.6	=SYS1+H1/59.3
02_04_505_H	=SYS1+FHP01-H9.7	=SYS1+H1/59.7
02_04_201_EU	=SYS1+FHP01-M4.2	=SYS1+H1/41.1
02_04_202 EU	=SYS1+FHP01-M4.3	=SYS1+H1/42.1
02_04_202 TZ	=SYS1+FHP01-R4.3	=SYS1+H1/42.5
02_04_601_HZ	=SYS1+FHP01-S4.2REP	=SYS1+H1/41.1
02_04_602 HZ	=SYS1+FHP01-S4.3REP	=SYS1+H1/42.1
02_04_603	=SYS1+FHP01-S4.5REP	=SYS1+H1/43.1
02_04_101 G-	=SYS1+FHP01-S8.1	=SYS1+H1/63.1
02_04_101 G+	=SYS1+FHP01-S8.2	=SYS1+H1/63.3
02_04_301 G-	=SYS1+FHP01-S9.0	=SYS1+H1/55.1
02_04_302 G-	=SYS1+FHP01-S9.1	=SYS1+H1/55.3
02_04_303 L-	=SYS1+FHP01-S9.2	=SYS1+H1/55.5
02_04_604_H	=SYS1+FHP01-S9.6	=SYS1+H1/59.1
02_04_605_H	=SYS1+FHP01-S9.7	=SYS1+H1/59.5
02_04_101 UV-	=SYS1+SC15-Y450.2	=SYS1+H1/63.5
02_05_401_PI	=SYS1+SF01-B206	=SYS1+H1/65.7
02_05_601 L-	=SYS1+SF01-S8.5	=SYS1+H1/54.1
02_05_602 G-	=SYS1+SF01-S8.6	=SYS1+H1/54.3
02_05_101 UV+	=SYS1+SF01-Y8.4	=SYS1+H1/58.1
02_05_102 UV+	=SYS1+SF01-Y8.5	=SYS1+H1/58.3
02_05_103 UV+	=SYS1+SF01-Y8.6	=SYS1+H1/58.5
02_02_301 L+	=SYS1+REC-S9.3	=SYS1+H1/56.1
03_06_503_H	=SYS1+HP01-H9.0-H5.2	=SYS1+H1/60.7

+STK/1

= DOKU
+ REF

119776-00

Page 2
Pg 125

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List of reference EMSR

AZO CONTROLS

AZO Solids
Base project with IEC structure
Replacement for

Replaced by

Modification	Date	Name
	Date	26.10.2018
	Ed. by	prz
	Appr	
	Original	

M: 1:1

1

Device list

neu_hsh_PSL_50_4_BN

DT	Quantity	Designation	Model Number	Manufacturer	Part number	Order no.	Page/Path	Function text

Device list

AZO_C_PSL_50_4_BN_V01

DT	Quantity	Designation	Model Number	Manufacturer	ERP number	Order no	Page/Path	Function text
							=SYS1+H1/43.1	
=SYS1+H1-A1	1	Touchpanel TP900 Comfort	6AV2124-0JC01-0AX0	SIE	1152032	6AV2124-0JC01-0AX0	=SYS1+H1/22.1	SIMATIC TP900 COMFORT PANEL
=SYS1+H1-A1L	1	Temperaturregler SK3110.000	SK3110.000	RIT	1029463	3110000	=SYS1+H1/8.0	
=SYS1+H1-A4.3	1	Auslöseg. Kaltl. 24V 3RN1012	KALTL. 24V 3RN1	SIE	1144437		=SYS1+H1/42.5	PTC evaluation device
=SYS1+H1-A8.2	1	Trennverstärker MACX ExBereich	MACX ExBereich	PHO	1069394		=SYS1+H1/63.0	
=SYS1+H1-D1CPU	1	Zentralbaugr. CPU314C-2PN/DP 192KB	CPU314C-2PN/DP 192KB	SIE	1068435	6ES7314-6EH04-0AB0	=SYS1+H1/25.0	
	1	Speichermodul S7 NFLASH 512k	6ES/953-8LJ30-0AA0	SIE	1070240	6ES7951-0KE00-0AA0		
	1	Stecker L2-Busanschluss M.PG		SIE	1043018	6ES7972-0BB42-0XA0		
	2	Frontstecker 40pol. S7-300		SIE	1069479	6ES7392-1AM00-0AA0		
	1	Stecker PROFINET/RJ45 gerade	6GK1901-1BB10-2AE0	SIE	1118462	6GK1901-1BB10-2AE0		
=SYS1+H1-D8DI	1	Digitaleingabe 16DE S7-300	SM321,16DE S7-300	SIE	1028936	6ES7321-1BH02-0AA0	=SYS1+H1/29.2	
	1	Frontstecker 20pol. S7-300	F.St 20pol.	SIE	1079767	6ES7392-1AJ00-0AA0		
=SYS1+H1-D8DO	1	Digitalausgabe 16DA S7-300	SM322,16DA S7-300	SIE	1028934	6ES7322-1BH01-0AA0	=SYS1+H1/31.2	
	1	Frontstecker 20pol. S7-300	F.St 20pol.	SIE	1079767	6ES7392-1AJ00-0AA0		
=SYS1+H1-D10DI	1	Digitaleingabe 16DE S7-300	SM321,16DE S7-300	SIE	1028936	6ES7321-1BH02-0AA0	=SYS1+H1/29.6	
	1	Frontstecker 20pol. S7-300	F.St 20pol.	SIE	1079767	6ES7392-1AJ00-0AA0		
=SYS1+H1-D10DO	1	Digitalausgabe 16DA S7-300	SM322,16DA S7-300	SIE	1028934	6ES7322-1BH01-0AA0	=SYS1+H1/31.6	
	1	Frontstecker 20pol. S7-300	F.St 20pol.	SIE	1079767	6ES7392-1AJ00-0AA0		
=SYS1+H1-E1	1	Schaltschrankleuchte SZ2500.300 AC	SZ.2500300	RIT	1231691	2500300	=SYS1+H1/2.1	
	1	Anschlusskabel SZ2500.400 AC 3000mm	SZ.2500400	RIT	1231698	2500400		
=SYS1+H1-F1	1	Reitersich. DIIIE33 SV3433.010	SV3433.000	RIT	1028896	3433010	=SYS1+H1/4.1	Frequency converter
	1	Abdeckung E33 SV3433.020	SV3434.000	RIT	1071000	3433020		
	3	Sicherung E33 50A GL	E33 50A GL		1028906	EDZ5033		
	3	Schraubkappe E33	E33		1009848			
	3	Pass-Schraube E33 50A DIII	E33 50A		1008113			
=SYS1+H1-F1E	1	LS-Schalter FAZ-B16/1	FAZ-B16	ETN	1028909	278535	=SYS1+H1/2.1	
=SYS1+H1-F1G1	1	LS-Schalter FAZ-C4/1	FAZ-C4	KM	1044996		=SYS1+H1/13.1	Control voltage
=SYS1+H1-F1H1	1	LS-Schalter FAZ-B6/1	FAZ-B6	KM	1028908		=SYS1+H1/15.1	
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F1VH1	1	LS-Schalter FAZ-B16/1	FAZ-B16	ETN	1028909	278535	=SYS1+H1/6.1	Reserve
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F2	1	Reitersich. DIIIE33 SV3433.010	SV3433.000	RIT	1028896	3433010	=SYS1+H1/4.3	Motors
	1	Abdeckung E33 SV3433.020	SV3434.000	RIT	1071000	3433020		
	3	Sicherung E33 50A GL	E33 50A GL		1028906	EDZ5033		
	3	Schraubkappe E33	E33		1009848			
	3	Pass-Schraube E33 50A DIII	E33 50A		1008113			
=SYS1+H1-F2H1	1	LS-Schalter FAZ-B6/1	FAZ-B6	KM	1028908		=SYS1+H1/15.3	
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F2VH1	1	LS-Schalter FAZ-B16/1	FAZ-B16	ETN	1028909	278535	=SYS1+H1/6.3	Reserve
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F3	1	Reitersich. DIIIE33 SV3433.010	SV3433.000	RIT	1028896	3433010	=SYS1+H1/4.5	Reserve
	1	Abdeckung E33 SV3433.020	SV3434.000	RIT	1071000	3433020		
	3	Sicherung E33 50A GL	E33 50A GL		1028906	EDZ5033		
	3	Schraubkappe E33	E33		1009848			
	3	Pass-Schraube E33 50A DIII	E33 50A		1008113			
=SYS1+H1-F3H1	1	LS-Schalter FAZ-B6/1	FAZ-B6	KM	1028908		=SYS1+H1/15.5	
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F3VH1	1	LS-Schalter FAZ-B16/1	FAZ-B16	ETN	1028909	278535	=SYS1+H1/6.5	Fan
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F4	1	Reitersich. DIIIE33 SV3433.010	SV3433.000	RIT	1028896	3433010	=SYS1+H1/4.7	Control voltage

Device list

AZO_C_PSL_50_4_BN_V01

DT	Quantity	Designation	Model Number	Manufacturer	ERP number	Order no	Page/Path	Function text
	1	Abdeckung E33 SV3433.020	SV3434.000	RIT	1071000	3433020		
	3	Sicherung E33 35A GL	E33 35A GL	RIT	1028905			
	3	Schraubkappe E33	E33		1009848			
	3	Pass-Schraube E33 35A	E33 35A	RIT	1114700			
=SYS1+H1-F4H1	1	LS-Schalter FAZ-B6/1	FAZ-B6	KM	1028908		=SYS1+H1/15.7	
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F4VH1	1	LS-Schalter FAZ-B16/1	FAZ-B16	ETN	1028909	278535	=SYS1+H1/6.7	Socket
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F5H1	1	LS-Schalter FAZ-B6/1	FAZ-B6	KM	1028908		=SYS1+H1/16.1	
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F6H1	1	LS-Schalter FAZ-B6/1	FAZ-B6	KM	1028908		=SYS1+H1/16.3	
	1	Hilfsschalter FAZ-XHIN11	FAZ-XHIN11	KM	1028912			
=SYS1+H1-F450.2	1	Klemme ST4-HESILED24	ST4-HESILED24	PHO	1009797		=SYS1+H1/63.5	
	1	Feinsicherung 5X20 0.315A/T	5X20 0.315A/T		1028898			
=SYS1+H1-G1	1	Netzteil QUINT-PS/3AC/24DC/20A	400..500AC/24/20A	PHO	1096336	2866792	=SYS1+H1/13.3	
=SYS1+H1-H5.0	1	Leuchtmelder flach M22-L-W	M22-L-W	ETN	1041985	216771	=SYS1+H1/20.3	
	1	Befestigungsadapter M22-A	M22-A	ETN	1028851	216374		
	1	LED Element M22-CLED-W	M22-CLED-W	ETN	1028857	216569		
=SYS1+H1-H5.1	1	Leuchtmelder flach M22-L-R	M22-L-R	ETN	1032521	216772	=SYS1+H1/20.5	
	1	Befestigungsadapter M22-A	M22-A	ETN	1028851	216374		
	1	LED Element M22-CLED-W	M22-CLED-W	ETN	1028857	216569		
=SYS1+H1-K4.0M	1	L.Schütz DILMC17-10 24VDC	DILMC17-10 24VDC	KM	1028871		=SYS1+H1/40.7	
=SYS1+H1-K4.2M	1	L.Schütz DILMC7-10 24VDC	DILMC7-10 24VDC	KM	1028874		=SYS1+H1/41.7	
=SYS1+H1-K4.3M	1	L.Schütz 3RT1015-1BB41	3RT1015-1BB41	SIE	1043104		=SYS1+H1/42.7	
	1	Löschgl.Diode 24VDC S00	24VDC RT S00	SIE	1043207			
	1	Hilfssch.Block 3RH1911-1FA22	3RH1911-1FA22	SIE	1043574			
	1	L.Schütz 3RT1015-1BB41	3RT1015-1BB41	SIE	1043104			
=SYS1+H1-K4.5M	1	L.Schütz DILMC7-10 24VDC	DILMC7-10 24VDC	KM	1028874		=SYS1+H1/43.5	
=SYS1+H1-K4.6M	1	L.Schütz DILMC7-10 24VDC	DILMC7-10 24VDC	KM	1028874		=SYS1+H1/44.7	
=SYS1+H1-K9.3	1	Relais-Baustein RIF-0-RPT-24DC/21 Fede..	RIF-0-RPT-24DC/21	PXC	1254301	2903370	=SYS1+H1/64.1	
=SYS1+H1-M1L	1	Filterlüfter SK3244.100	SK3244.100	RIT	1073276	3244100	=SYS1+H1/8.1	
	1	Austrittsfilter SK3243.200	SK3243.200	RIT	1067065	3243200		
=SYS1+H1-Montageplatte							+MPL/2.3	
=SYS1+H1-Q0	1	Lasttrenner PN1- 100	PN1-100	ETN	1007158	259141	=SYS1+H1/1.1	Main switch
=SYS1+H1-Q1G	1	Motorschutzsch. PKZM0-4/AK	PKZM0-4	MOE	1028724	072737	=SYS1+H1/13.3	
=SYS1+H1-Q1U	1	Motorschutzsch. PKZM0-16/AK	PKZM0-16	MOE	1028727	046938	=SYS1+H1/35.1	
=SYS1+H1-Q2U	1	Motorschutzsch. PKZM0-10/AK	PKZM0-10	MOE	1028726	072739	=SYS1+H1/37.1	
=SYS1+H1-Q4.0M	1	Motorschutzsch. PKZM0-16/AK	PKZM0-16	MOE	1028727	046938	=SYS1+H1/40.1	
	1	Hilfsschalter NHI-E-11-PKZ0	NHI-E-11-PKZ0	ETN	1028719	082882		
=SYS1+H1-Q4.2M	1	Motorschutzsch. PKZM0-0.4/AK	PKZM0-0,4	MOE	1028721	072732	=SYS1+H1/41.1	
	1	Hilfsschalter NHI-E-11-PKZ0	NHI-E-11-PKZ0	ETN	1028719	082882		
=SYS1+H1-Q4.3M	1	Motorschutzsch. PKZM0-4/AK	PKZM0-4	MOE	1028724	072737	=SYS1+H1/42.1	
	1	Hilfsschalter NHI-E-11-PKZ0	NHI-E-11-PKZ0	ETN	1028719	082882		
=SYS1+H1-Q4.5M	1	Motorschutzsch. PKZM0-1.6/AK	PKZM0-1,6	MOE	1044580	072735	=SYS1+H1/43.1	
	1	Hilfsschalter NHI-E-11-PKZ0	NHI-E-11-PKZ0	ETN	1028719	082882		
=SYS1+H1-Q4.6M	1	Motorschutzsch. PKZM0-0.4/AK	PKZM0-0,4	MOE	1028721	072732	=SYS1+H1/44.1	
	1	Hilfsschalter NHI-E-11-PKZ0	NHI-E-11-PKZ0	ETN	1028719	082882		
=SYS1+H1-Schaltschrank							+MPL/1.3	
=SYS1+H1-U1	1	Freq.Umf. MOVITRAC B 7,5KW 3P		SEW	1114167		=SYS1+H1/35.0	
	1	Busmodul MOVITRAC B S-BUS	B S-BUS	SEW	1028713			

			Date	26.10.2018	AZO Solids	Device list:	**119776-00**	= DOKU
			Ed. by	prz				+ STK
			Appr		Base project with IEC structure		-	Page **3**
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Device list

AZO_C_PSL_50_4_BN_V01

DT	Quantity	Designation	Model Number	Manufacturer	ERP number	Order no	Page/Path	Function text
	1	Bedienmodul MOVITRAC B FBG11B	B FBG11B	SEW	1029470			
=SYS1+H1-U1-X1							=SYS1+H1/35.1	
=SYS1+H1-U1-X2							=SYS1+H1/35.1	
=SYS1+H1-U1-X12							=SYS1+H1/35.2	
=SYS1+H1-U1-X13							=SYS1+H1/35.5	
=SYS1+H1-U1-X46							=SYS1+H1/35.2	
=SYS1+H1-U1DFE	1	Busmodul Movitrac B Profinet		SEW	1068539		=SYS1+H1/35.4	
=SYS1+H1-U1DFE-X26							=SYS1+H1/35.4	
=SYS1+H1-U1DFE-X30							=SYS1+H1/35.7	
=SYS1+H1-U1DFE-X32							=SYS1+H1/35.7	
=SYS1+H1-U2	1	Freq.Umf. MOVITRAC B 1,1KW SO		SEW	1130508		=SYS1+H1/37.0	
	1	Busmodul MOVITRAC B S-BUS	B S-BUS	SEW	1028713			
	1	Bedienmodul MOVITRAC B FBG11B	B FBG11B	SEW	1029470			
=SYS1+H1-U2-X1							=SYS1+H1/37.1	
=SYS1+H1-U2-X2							=SYS1+H1/37.1	
=SYS1+H1-U2-X12							=SYS1+H1/37.2	
=SYS1+H1-U2-X13							=SYS1+H1/37.5	
=SYS1+H1-U2-X17							=SYS1+H1/37.6	
=SYS1+H1-U2-X46							=SYS1+H1/37.2	
=SYS1+H1-U4.3	1						=SYS1+H1/42.0	Thyristor Control
=SYS1+H1-1X1	1	PE-KLEMME PT2,5-PE	PT 2,5-PE	PXC	1200366	3209536	=SYS1+H1/40.1	
=SYS1+H1-1X1PE	1	PE-KLEMME PT2,5-PE	PT 2,5-PE	PXC	1200366	3209536	=SYS1+H1/36.1	
=SYS1+H1-2X1E	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/2.1	
=SYS1+H1-2X1L	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/8.1	
=SYS1+H1-3X1	1	KLEMME PTIO-IN2,5/4-PE OG	PTIO-IN 2,5/4-PE OG	PXC	1200345	3244481	=SYS1+H1/51.0	
	1	Einlegebrücke FBS50-3,5 BU	FBS 50-3,5 BU	PXC	1203941	3000708		
	1	Einlegebrücke FBS50-3,5 RD	FBS 50-3,5	PXC	1203942	3000706		
=SYS1+H1-3X1.1L+	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/15.2	
=SYS1+H1-3X1.1M	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/15.2	
=SYS1+H1-3X1.2L+	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/15.4	
=SYS1+H1-3X1.2M	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/15.4	
=SYS1+H1-3X1.3L+	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/15.6	
=SYS1+H1-3X1.3M	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/15.6	
=SYS1+H1-3X1.4L+	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/15.8	
=SYS1+H1-3X1.4M	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/15.8	
=SYS1+H1-3X1.5L+	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/16.2	
=SYS1+H1-3X1.5M	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/16.2	
=SYS1+H1-3X1D	1	KLEMME PTTB2,5-DIO/O-U	PTTB 2,5-DIO/O-U	PXC	1200349	3210923	=SYS1+H1/63.5	
=SYS1+H1-3X1FU	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/37.3	
=SYS1+H1-3X1G1L+	1	Klemme PT2,5-Quattro	PT 2,5-QUATTRO	PXC	1197381	3209578	=SYS1+H1/13.1	
=SYS1+H1-3X1M	1	KLEMME PT10	PT 10	PXC	1197048	3212120	=SYS1+H1/13.4	
=SYS1+H1-3X3	1	KLEMME PT2,5	PT 2,5	PXC	1197050	3209510	=SYS1+H1/43.3	
=SYS1+H1-4X1	1	KLEMME PTTB2,5	PTTB 2,5	PXC	1200348	3210567	=SYS1+H1/65.1	
=SYS1+H1-6X1	1	KLEMME PTTB2,5	PTTB 2,5	PXC	1200348	3210567	=SYS1+H1/36.3	
=SYS1+H1-7X1							=SYS1+H1/64.5	
=SYS1+H1-8X1	1	KLEMME PTTB2,5	PTTB 2,5	PXC	1200348	3210567	=SYS1+H1/20.5	
=SYS1+H1-XS1	1	Schukosteckdose DIN-Schiene	MSVD	MUR	1064640	67900	=SYS1+H1/8.7	
=SYS1+PMP01-B200							=SYS1+H1/65.1	Pressure transmitter
=SYS1+PMP01-B202							=SYS1+H1/65.3	"
=SYS1+PMP01-B204							=SYS1+H1/65.5	"

			Date	26.10.2018	AZO Solids	Device list:	119776-00	= DOKU
			Ed. by	prz				+ STK
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Device list

AZO_C_PSL_50_4_BN_V01

DT	Quantity	Designation	Model Number	Manufacturer	ERP number	Order no	Page/Path	Function text
=SYS1+PMP01-M1							=SYS1+H1/36.1	Vacuum pump
=SYS1+PMP01-M4.0							=SYS1+H1/40.1	"
=SYS1+PMP01-R1							=SYS1+H1/36.3	PTC-Resistor
=SYS1+PMP01-S1REP	1	Rep.Schalter 3P/7,5KW 1S1Ö EMV	KG20 T103/D-A126 KL51V	K&N	1074941	KG20 T103/D-A126 KL51V	=SYS1+H1/36.1	Vacuum pump
=SYS1+PMP01-S4.0REP	1	Rep.Schalter 3P 25A/7,5KW 1S1Ö	KG20 T103/40 KL51V	K&N	1042379	KG20 T103/40 KL51V	=SYS1+H1/40.1	"
=SYS1+PMP01-X8.0							=SYS1+H1/53.0	Hose diverter
=SYS1+PMP01-X8.0-S8.1							=SYS1+H1/53.3	Position 2
=SYS1+REC01-M2							=SYS1+H1/37.1.1	Rotary feeder
=SYS1+REC01-M4.6							=SYS1+H1/44.1	Vibrator
=SYS1+REC01-R2							=SYS1+H1/37.1.3	PTC-Resistor
=SYS1+REC01-S2REP	1	Rep.Schalter 3P/7,5KW 1S1Ö EMV	KG20 T103/D-A126 KL51V	K&N	1074941	KG20 T103/D-A126 KL51V	=SYS1+H1/37.1.1	Rotary feeder
=SYS1+REC01-S4.6REP	1	Rep.Schalter 3P 25A/7,5KW 1S1Ö	KG20 T103/40 KL51V	K&N	1042379	KG20 T103/40 KL51V	=SYS1+H1/44.1	Vibrator
=SYS1+FHP01-H9.6							=SYS1+H1/59.3	
=SYS1+FHP01-H9.7							=SYS1+H1/59.7	
=SYS1+FHP01-M4.2							=SYS1+H1/41.1	Vibrator
=SYS1+FHP01-M4.3							=SYS1+H1/42.1	Dosing shute
=SYS1+FHP01-R4.3							=SYS1+H1/42.5	PTC
=SYS1+FHP01-S4.2REP	1	Rep.Schalter 3P 25A/7,5KW 1S1Ö	KG20 T103/40 KL51V	K&N	1042379	KG20 T103/40 KL51V	=SYS1+H1/41.1	Vibrator
=SYS1+FHP01-S4.3REP	1	Rep.Schalter 3P 25A/7,5KW 1S1Ö	KG20 T103/40 KL51V	K&N	1042379	KG20 T103/40 KL51V	=SYS1+H1/42.1	Sifting drive
=SYS1+FHP01-S4.5REP	1						=SYS1+H1/43.1	Metal receiver
=SYS1+FHP01-S8.1							=SYS1+H1/63.1	Fresh air valve closed
=SYS1+FHP01-S8.2							=SYS1+H1/63.3	Fresh air valve open
=SYS1+FHP01-S9.0							=SYS1+H1/55.1	Limit switch cover
=SYS1+FHP01-S9.1							=SYS1+H1/55.3	"
=SYS1+FHP01-S9.2							=SYS1+H1/55.5	Low level indicator
=SYS1+FHP01-S9.6	1						=SYS1+H1/59.1	
	1							
	1							
	1							
=SYS1+FHP01-S9.7	1						=SYS1+H1/59.5	
	1							
	1							
=SYS1+SC15-Y450.2							=SYS1+H1/63.5	Fresh air valve closed
=SYS1+SF01-B206							=SYS1+H1/65.7	Pressure transmitter
=SYS1+SF01-S8.5							=SYS1+H1/54.1	Low level indicator
=SYS1+SF01-S8.6							=SYS1+H1/54.3	Manual flap closed
=SYS1+SF01-Y8.4							=SYS1+H1/58.1	Air purged valve on
=SYS1+SF01-Y8.5							=SYS1+H1/58.3	"
=SYS1+SF01-Y8.6							=SYS1+H1/58.5	"
=SYS1+REC-S9.3							=SYS1+H1/56.1	High level indicator
=SYS1+HP01-H9.0	1	Leuchtsäule SL7-CB-100 (Basismodul + 100mm Aluprofil)	SL7-CB-100	Eaton	1173997	171443	=SYS1+H1/60.0	Signal light
	1	Leuchtsäule SL7-L24-R (rot-Dauerlicht)	SL7-L24-R	Eaton	1173998	171463		
	1	Leuchtsäule SL7-L24-Y (gelb-Dauerlicht)	SL7-L24-Y	Eaton	1173995	171465		
	1	Leuchtsäule SL7-L24-G (grün-Dauerlicht)	SL7-L24-G	Eaton	1173999	171462		
	1	Leuchtsäule SL7-AP12 (akustik-Dauer/Puls)	SL7-AP24	Eaton	1174016	171281		
	1							
=SYS1+HP01-H9.0-H5.2							=SYS1+H1/60.7	

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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-F450.2

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		629	-3X1D		1					-D8DO		4	629		/63.5

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-F450.2	119776-00	= DOKU
			Ed. by	prz				+ KLP
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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-1X1

Function text	Cable name				W4.6H1M	W4.5H1M	W4.3H1M	W4.2H1M	W4.0H1M		Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring					Cable name	Page/Path
	Cable type				4x1,5	4x1,5	3x1,5	4x1,5	4x2,5	Wiring																Cable type	
Vacuum pump									1		+PMP01-S4.0REP		1		1	.		-K4.0M		2							/40.1
"									2		+PMP01-S4.0REP		3		2	.		-K4.0M		4							/40.1
"									3		+PMP01-S4.0REP		5		3	.		-K4.0M		6							/40.1
									GN/YE		+PMP01-S4.0REP		PE		PE	.		PE									/40.1
Vibrator								1			+FHP01-S4.2REP		1		4	.		-K4.2M		2							/41.1
"								2			+FHP01-S4.2REP		3		5	.		-K4.2M		4							/41.1
"								3			+FHP01-S4.2REP		5		6	.		-K4.2M		6							/41.1
								GN/YE			+FHP01-S4.2REP		PE		PE	.		PE									/41.1
							GN/YE				+FHP01-S4.3REP		PE		PE			PE			716						/42.1
Metal receiver						1					+FHP01-S4.5REP		1		7	.		-K4.5M		2	153						/43.1
"						2					+FHP01-S4.5REP		3		8	.		-K4.5M		4	156						/43.1
"						3					+FHP01-S4.5REP		5		9	.		-K4.5M		6	159						/43.1
						4					+FHP01-S4.5REP		N		N			N			160						/43.2
						GN/YE					+FHP01-S4.5REP		PE		PE			PE									/43.2
Vibrator					1						+REC01-S4.6REP		1		10	.		-K4.6M		2							/44.1
"					2						+REC01-S4.6REP		3		11	.		-K4.6M		4							/44.1
"					3						+REC01-S4.6REP		5		12	.		-K4.6M		6							/44.1
					GN/YE						+REC01-S4.6REP		PE		PE	.		PE									/44.1

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			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-1X1	119776-00	= DOKU
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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-1X1PE

Function text	Cable name	Cable type						W2H1M 4x1,5	W1H1M 4x2,5	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring					Cable name	Cable type	Page/Path
									GN/YE		+PMP01-S1REP		PE		PE	.		PE									/36.1
								GN/YE			+REC01-S2REP		PE		PE	.		PE									/37.1.1

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-1X1PE	119776-00	= DOKU
			Ed. by	prz				+ KLP
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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-2X1E

Cable name / Cable type	Function text	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
			-E1	XI	XI:L		1	.		-F1E		2	004		/2.1
			-E1	XI	XI:N		2	.		N			005		/2.1
			-E1	XI	XI:PE		PE	.		PE					/2.1

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-2X1E	119776-00	= DOKU
			Ed. by	prz				+ KLP
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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-2X1L

Function text	Cable name	Cable type	W1H1ML	3x0,75	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name	Cable type	Page/Path
			1			-M1L		L1		1	.		-A1L		4	018			/8.1
			2			-M1L		N		2	.		N			019			/8.1
			GN/YE			-M1L		PE		PE	.		PE						/8.2

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			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-2X1L	119776-00	= DOKU
			Ed. by	prz				+ KLP
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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1

Function text	Cable name / Cable type		W2H1S 2x0,75	W4.6H1S 2x0,75	W4.5H1S 2x0,75	W4.3H1S 2x0,75	W4.2H1S 2x0,75	W1H1S 2x0,75	W4.0H1S 2x0,75	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
											PE				PE									/51.0
										096	-3X1.1M		2:3		-									/51.0
										097	-3X1.1L+		2:3		+									/51.0
Disconnect switch									1		+PMP01-S4.0REP		13		1			-D1CPU	-X11	-X11:22	632			/51.1
"									2		+PMP01-S4.0REP		14		+									/51.1
															-									/51.2
															PE									/51.2
Disconnect switch								1			+PMP01-S1REP		13		2			-D1CPU	-X11	-X11:23	632			/51.3
"								2			+PMP01-S1REP		14		+									/51.3
															-									/51.4
															PE									/51.4
Disconnect switch							1				+FHP01-S4.2REP		13		3			-D1CPU	-X11	-X11:24	632			/51.5
"							2				+FHP01-S4.2REP		14		+									/51.6
															-									/51.6
															PE									/51.6
Disconnect switch						1					+FHP01-S4.3REP		13		4			-D1CPU	-X11	-X11:25	632			/51.7
"						2					+FHP01-S4.3REP		14		+									/51.8
															-									/51.8
															PE									/51.8
Disconnect switch					1						+FHP01-S4.5REP		13		5			-D1CPU	-X11	-X11:26	632			/52.1
"					2						+FHP01-S4.5REP		14		+									/52.1
															-									/52.2
															PE									/52.2
Disconnect switch				1							+REC01-S4.6REP		13		6			-D1CPU	-X11	-X11:28	632			/52.3
"				2							+REC01-S4.6REP		14		+									/52.3
															-									/52.4
															PE									/52.4
Disconnect switch		1									+REC01-S2REP		13		7			-D1CPU	-X11	-X11:29	632			/52.5
"		2									+REC01-S2REP		14		+									/52.6
															-									/52.6
															PE									/52.6
															8									/52.7

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			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1	119776-00	= DOKU
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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1

Function text	Cable name	Cable type					W8.6H1S 5x0,75	W8.5H1S 4x0,75	W8.0H1X 7x0,75	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name	Cable type	Page/Path
															+									/52.8
															-									/52.8
															PE									/52.8
									1		+PMP01-X8.0		7		9			-D8DI		2	632			/53.1
									2		+PMP01-X8.0		3		+									/53.1
															-									/53.2
															PE									/53.2
									3		+PMP01-X8.0		8		10			-D8DI		3	632			/53.3
															+									/53.3
															-									/53.4
															PE									/53.4
									4		+PMP01-X8.0		1		11			-D8DO		2	632			/53.5
															+									/53.6
									5		+PMP01-X8.0		5		-									/53.6
															PE									/53.6
									6		+PMP01-X8.0		2		12									/53.7
															+									/53.8
															-									/53.8
									GN/YE		+PMP01-X8.0		PE		PE									/53.8
Low level indicator								1			+SF01-S8.5		6		13			-D8DI		7	632			/54.1
"								2			+SF01-S8.5		1		+									/54.1
"								3			+SF01-S8.5		2		-									/54.2
"								GN/YE			+SF01-S8.5		PE		PE									/54.2
Manual flap closed							1				+SF01-S8.6		13		14			-D8DI		8	632			/54.3
"							2				+SF01-S8.6		14		+									/54.3
															-									/54.4
															PE									/54.4
															15									/54.5
															+									/54.6
															-									/54.6
															PE									/54.6
															16									/54.7

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1	119776-00	= DOKU
			Ed. by	prz				+ KLP
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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1

Function text	Cable name / Cable type				W9.3H1S 4x0,75	W9.2H1S 4x0,75	W9.1H1S 5x0,75	W9.0H1S 5x0,75	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper / Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
														+							/54.8
														-							/54.8
														PE							/54.8
Limit switch cover								1		+FHP01-S9.0		13(BK)		17		-D8DI		12	632		/55.1
"								2		+FHP01-S9.0		14(BU)		+							/55.1
														-							/55.2
														PE							/55.2
Limit switch cover							1			+FHP01-S9.1		13(BK)		18		-D8DI		13	632		/55.3
"							2			+FHP01-S9.1		14(BU)		+							/55.3
														-							/55.4
														PE							/55.4
Low level indicator						1				+FHP01-S9.2		6		19		-D8DI		14	632		/55.5
"						2				+FHP01-S9.2		1		+							/55.6
"						3				+FHP01-S9.2		2		-							/55.6
"						GN/YE				+FHP01-S9.2		PE		PE							/55.6
														20							/55.7
														+							/55.8
														-							/55.8
														PE							/55.8
High level indicator					1					+REC-S9.3		6		21		-D8DI		15	632		/56.1
"					2					+REC-S9.3		1		+							/56.1
"					3					+REC-S9.3		2		-							/56.2
"					GN/YE					+REC-S9.3		PE		PE							/56.2
														22							/56.3
														+							/56.3
														-							/56.4
														PE							/56.4
														23							/56.5
														+							/56.6
														-							/56.6
														PE							/56.6
														24							/56.7

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure			Page 8
Modification	Date	Name	Original		Replacement for	Replaced by	-	-	Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1

Function text	Cable name	Cable type				W8.6H1Y 3x0,75	W8.5H1Y 3x0,75	W8.4H1Y 3x0,75	W8.5H1S 4x0,75	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring					Cable name	Cable type	Page/Path
															+													/56.8
															-													/56.8
															PE													/56.8
Low level indicator									1		+SF01-S8.5		6		25			-D8DI		17	632						/57.1
"									2		+SF01-S8.5		1		+													/57.1
"									3		+SF01-S8.5		2		-													/57.2
"									GN/YE		+SF01-S8.5		PE		PE													/57.2
															26													/57.3
															+													/57.3
															-													/57.4
															PE													/57.4
															27													/57.5
															+													/57.6
															-													/57.6
															PE													/57.6
															28													/57.7
															+													/57.8
															-													/57.8
															PE													/57.8
Air purged valve on								1			+SF01-Y8.4		1		29			-D8DO		6	632						/58.1
															+													/58.1
Air purged valve on								2			+SF01-Y8.4		2		-													/58.2
"								GN/YE			+SF01-Y8.4		PE		PE													/58.2
"							1				+SF01-Y8.5		1		30			-D8DO		7	632						/58.3
															+													/58.3
Air purged valve on							2				+SF01-Y8.5		2		-													/58.4
"							GN/YE				+SF01-Y8.5		PE		PE													/58.4
"						1					+SF01-Y8.6		1		31			-D8DO		8	632						/58.5
															+													/58.6
Air purged valve on						2					+SF01-Y8.6		2		-													/58.6
"						GN/YE					+SF01-Y8.6		PE		PE													/58.6
															32													/58.7

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure			Page 9
Modification	Date	Name	Original		Replacement for	Replaced by	-	- Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1

Function text	Cable name / Cable type	W9.0H1H 7x0,75	W9.6H1H 7x0,75	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper / Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
									+							/58.8
									-							/58.8
									PE							/58.8
			1		+FHP01-S9.6		13		33		-D8DI		18			/59.1
									+							/59.1
									-							/59.2
									PE							/59.2
			2		+FHP01-H9.6		x1		34		-D8DO		18			/59.3
									+							/59.3
									-							/59.4
									PE							/59.4
			3		+FHP01-S9.7		13		35		-D8DI		19			/59.5
									+							/59.6
									-							/59.6
									PE							/59.6
			4		+FHP01-H9.7		x1		36		-D8DO		19			/59.7
			DBU		+FHP01-S9.7		14		+							/59.8
			6		+FHP01-H9.7		x2		-							/59.8
			GN/YE		PE				PE							/59.8
		1			+HP01-H9.0		1		37		-D8DO		12	632		/60.1
									+							/60.1
									-							/60.2
									PE							/60.2
		2			+HP01-H9.0		2		38		-D8DO		13	632		/60.3
									+							/60.3
									-							/60.4
									PE							/60.4
		3			+HP01-H9.0		3		39		-D8DO		14	632		/60.5
									+							/60.6
									-							/60.6
									PE							/60.6
		4			+HP01-H9.0		4		40		-D1CPU	-X12	-X12:34	632		/60.7

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 10
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip =SYS1+H1-3X1

Function text	Cable name	Cable type	W9.0H1H	7x0,75	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper / Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name	Cable type	Page/Path
										+								/60.8
				5		+HP01-H9.0		0		-								/60.8
				PE		PE				PE								/60.8
										41								/61.1
										+								/61.1
										-								/61.2
										PE								/61.2
										42								/61.3
										+								/61.3
										-								/61.4
										PE								/61.4
										43								/61.5
										+								/61.6
										-								/61.6
										PE								/61.6
										44								/61.7
										+								/61.8
										-								/61.8
										PE								/61.8
										45								/62.1
										+								/62.1
										-								/62.2
										PE								/62.2
										46								/62.3
										+								/62.3
										-								/62.4
										PE								/62.4
										47								/62.5
										+								/62.6
										-								/62.6
										PE								/62.6
										48								/62.7

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 11
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
							+								/62.8
							-								/62.8
							PE								/62.8
							PE								/62.9
							-								/62.9
							+								/62.8

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 12
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.1L+

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		031	-F1H1		2		+								/15.2
		036	-K4.0M		13		1			-D1CPU		1	034		/15.2
		042	-D1CPU	-X12	-X12:1										
		097	-3X1		+		2								/15.2
+24VDC		099	-A8.2		1.1										

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.1L+	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 13
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.1M

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		030	-3X1M		5:1		-								/15.2
		035	-D1CPU	-X11	-X11:20		1			-D1CPU		2	033		/15.2
		037	-D1CPU	-X11	-X11:30										
		040	-D1CPU	-X12	-X12:20										
		092	-D10DI		20		2			-D8DI		20	044		/15.2
		096	-3X1		-										
GND		098	-A8.2		1.2										

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.1M	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 14
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.2L+

Cable name / Cable type	Function text	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		058	-F2H1		2		+								/15.4
		062	-D1CPU	-X12	-X12:31		1			-D1CPU	-X12	-X12:21	060		/15.4
		066	-D8DO		11										
		066	-D8DO		1										
		070	-D10DO		11										
		070	-D10DO		1										
							2								/15.4

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.2L+	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 15
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.2M

Cable name / Cable type / Function text	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type / Page/Path
	045	-3X1M		5:2		-							/15.4
	061	-D1CPU	-X12	-X12:40		1			-D1CPU	-X12	-X12:30	059	/15.4
	064	-D8DO		20									
	064	-D8DO		10									
	068	-D10DO		20									
	068	-D10DO		10									
						2			-K4.0M		A2	071	/15.4

15 M: 1:1 17

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.2M	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 16
Modification	Date	Name	Original		Replacement for	Replaced by	-	Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.3L+

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		073	-F3H1		2		+								/15.6
							1								/15.6
							2								/15.7

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.3L+	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 17
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.3M

Cable name / Cable type	Function text	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		047	-3X1M		5:3		-								/15.6
							1								/15.6
							2								/15.7

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.3M	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 18
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.4L+

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		075	-F4H1		2		+								/15.8
							1								/15.8
							2								/15.9

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.4L+	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 19
Modification	Date	Name	Original		Replacement for	Replaced by	-	Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.4M

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		050	-3X1M		5:4		-								/15.8
							1								/15.8
							2								/15.9

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.4M	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 20
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.5L+

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		077	-F5H1		2		+								/16.2
		163	-A1		L+		1			-U1DFE-X26		7	161		/16.2
							2								/16.2

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.5L+	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 21
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1.5M

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		078	-3X1M		6:1		-								/16.2
		162	-A1		M		1			-U1DFE-X26		6	160		/16.2
							2								/16.2

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1.5M	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 22
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Cable name: W82H1Y
Cable type: 3x0,75

Strip
=SYS1+H1-3X1D

Function text	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Page/Path
Fresh air valve closed	1	+SC15-Y450.2		1		1			-F450.2			629	/63.5
Fresh air valve closed	2	+SC15-Y450.2		2		2							/63.6
"	GN/YE	+SC15-Y450.2		PE		PE							/63.6

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1FU

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		437	-U1DFE-X26		7		1			-U2-X12		2			/37.3
							2			-U2-X12		4			/37.3
							3			-U2-X12		8			/37.4
		436	-U1DFE-X26		6		4			-U2-X12		9			/37.4
							5			-U2-X17		SOV24			/37.7
							6			-U2-X17		SVI24			/37.7

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1G1L+

Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
						+			-F1G1		2	022		/13.1
						1			-F1VH1		13	023		/13.1
									-8X1		2	696		
						2								/13.2
						3								/13.2
						4								/13.3

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1G1L+	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 25
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X1M

Cable name / Cable type																							Cable name / Cable type
Function text									Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring					Page/Path
														PE			PE								/13.4
									028	-G1		-		-											/13.4
									029	-8X1		1		1											/13.5
														2											/13.5
														3											/13.5
														4											/13.6
									045	-3X1.2M		-		5			-3X1.1M		-	030					/15.2
									047	-3X1.3M		-													
									050	-3X1.4M		-													
														6			-3X1.5M		-	078					/16.2

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X1M	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 26
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-3X3

Function text	Cable name	Cable type	W4.5H1M3	5x0,75	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name	Cable type	Page/Path
			1					1		1	.								/43.3
			2					2		2	.		-D1CPU	-X11	-X11:27	161			/43.3
			3					3		3	.								/43.4
			4					4		4	.		-D1CPU	-X12	-X12:7	161			/43.4

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-3X3	119776-00	= DOKU
			Ed. by	prz				+ KLP
			Appr		Base project with IEC structure		-	Page 27
Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-4X1

Function text	Cable name				W206H1B	W204H1B	W202H1B	W200H1B		Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring					Cable name	Page/Path
	Cable type				2x0,5	2x0,5	2x0,5	2x0,5	Wiring																Cable type	
								WH		+PMP01-B200		1		1			-7X1		4	612					/65.1
								BN		+PMP01-B200		3		2			-D1CPU	-X11	-X11:3	632					/65.1
							WH			+PMP01-B202		1		3												/65.3
							BN			+PMP01-B202		3		4			-D1CPU	-X11	-X11:6	632					/65.3
						WH				+PMP01-B204		1		5												/65.5
						BN				+PMP01-B204		3		6			-D1CPU	-X11	-X11:9	632					/65.6
					WH					+SF01-B206		1		7												/65.7
					BN					+SF01-B206		3		8			-D1CPU	-X11	-X11:12	632					/65.8
														9												/66.1
														10												/66.1
														11												/66.3
														12												/66.3
														13												/66.5
														14												/66.6
														15												/66.7
														16												/66.8

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-4X1
			Ed. by	prz	Base project with IEC structure	
			Appr			
Modification	Date	Name	Original		Replacement for	Replaced by

119776-00

= DOKU
+ KLP
-

Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-6X1

Cable name						W4.3H1R	W2H1R	W1H1R														Cable name	
Function text	Cable type						2x0,5		2x0,5	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring						Cable type	Page/Path
PTC-Resistor								WH		+PMP01-R1		1		1	,		-U1-X12		7							/36.3
"								BN		+PMP01-R1		2		2	,		-U1-X12		6							/36.3
"							WH			+REC01-R2		1		3	,											/37.1.3
"							BN			+REC01-R2		2		4	,											/37.1.3
PTC						WH				+FHP01-R4.3		1		5	,		-A4.3		T1	720						/42.5
"						BN				+FHP01-R4.3		2		6	,		-A4.3		T2	722						/42.6

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-6X1	119776-00	= DOKU
			Ed. by	prz				+ KLP
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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-7X1

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
							1			-K9.3		14	613		/64.1
							2			-K9.3		11	615		/64.1
							3								/64.4
							4			-K4.6M		13	139		/64.5
										-4X1		1	612		
							5			-D8DI		16	632		/64.5
							6								/64.7

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-7X1	119776-00
			Ed. by	prz	Base project with IEC structure		
			Appr				-
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= DOKU
+ KLP
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Terminal diagram

AZO_C_KLP_32_4_M_mit Funktionstext

Strip
=SYS1+H1-8X1

Function text	Cable name / Cable type	Wiring	Target designation to	PLC Conn	Conn	extern Jumper	Terminal	Jumper	Internal	Target design. to	PLC Conn	Conn	Wiring	Cable name / Cable type	Page/Path
		107	-H5.0		x2		1			-3X1M		1:1	029		/20.1
							2			-3X1G1L+		1:2	696		/20.1
		109	-H5.0		x1		3			-D1CPU	-X12	-X12:32	107		/20.3
		112	-H5.1		x1		4			-D1CPU	-X12	-X12:33	107		/20.5
							5								/20.7

			Date	26.10.2018	AZO Solids	Terminal diagram:=SYS1+H1-8X1	119776-00	= DOKU
			Ed. by	prz				+ KLP
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Cable overview

AZO_C_KBU_35_EMSR_Ader_aus_Grafik

Cable designation	from	EMSR	to	EMSR	Cable type	Conductors	Screen
W1H1M	=SYS1+H1-1X1PE		=SYS1+PMP01-S1REP		Ölflex-110-CY	4x2,5	2
			EMV				
W1H1M2	=SYS1+PMP01-M1	02_03_202_EU	=SYS1+PMP01-S1REP	02_03_602_HZ	Ölflex-110-CY	4x2,5	2
			EMV				
W1H1R	=SYS1+H1-6X1		=SYS1+PMP01-R1	02_03_202_TZ	Unitronic LIYCY	2x0,5	1
			EMV				
W1H1S	=SYS1+H1-3X1		=SYS1+PMP01-S1REP	02_03_602 HZ	Ölflex-110 o.PE	2x0,75	0
W2H1M	=SYS1+H1-1X1PE		=SYS1+REC01-S2REP		Ölflex-110-CY	4x1,5	1
			EMV				
W2H1M2	=SYS1+REC01-M2	02_02_202_EU	=SYS1+REC01-S2REP	02_02_602_HZ	Ölflex-110-CY	4x1,5	1
			EMV				
W2H1R	=SYS1+H1-6X1		=SYS1+REC01-R2	02_02_202_TZ			1
			EMV				
W2H1S	=SYS1+H1-3X1		=SYS1+REC01-S2REP	02_02_602 HZ	Ölflex-110 o.PE	2x0,75	0
W4.0H1M	=SYS1+H1-1X1		=SYS1+PMP01-S4.0REP	02_03_601_HZ	Ölflex-110	4x2,5	0
W4.0H1M2	=SYS1+PMP01-M4.0	02_03_201_EU	=SYS1+PMP01-S4.0REP	02_03_601_HZ	Ölflex-110	4x2,5	0
W4.0H1S	=SYS1+H1-3X1		=SYS1+PMP01-S4.0REP	02_03_601 HZ	Ölflex-110 o.PE	2x0,75	0
W4.2H1M	=SYS1+H1-1X1		=SYS1+FHP01-S4.2REP	02_04_601_HZ	Ölflex-110	4x1,5	0
W4.2H1M2	=SYS1+FHP01-M4.2	02_04_201_EU	=SYS1+FHP01-S4.2REP	02_04_601_HZ	Ölflex-110	4x1,5	0
W4.2H1S	=SYS1+H1-3X1		=SYS1+FHP01-S4.2REP	02_04_601 HZ	Ölflex-110 o.PE	2x0,75	0
W4.3H1M	=SYS1+H1-1X1		=SYS1+FHP01-S4.3REP		Ölflex-110-CY	3x1,5	1
	=SYS1+H1-K4.3M		EMV				
W4.3H1M2	=SYS1+FHP01-S4.3REP	02_04_602 HZ	=SYS1+FHP01-M4.3	02_04_202 EU	Ölflex-110-CY	3x1,5	1
	EMV						
W4.3H1R	=SYS1+H1-6X1		=SYS1+FHP01-R4.3	02_04_202 TZ	Unitronic LIYCY	2x0,5	1
			EMV				
W4.3H1S	=SYS1+H1-3X1		=SYS1+FHP01-S4.3REP	02_04_602 HZ	Ölflex-110 o.PE	2x0,75	0
W4.5H1M	=SYS1+H1-1X1		=SYS1+FHP01-S4.5REP	02_04_603	Ölflex-110	4x1,5	0
W4.5H1M2			=SYS1+FHP01-S4.5REP	02_04_603	Ölflex-110	5x1,5	0
W4.5H1M3	=SYS1+H1-3X3				Ölflex-110	5x0,75	0
W4.5H1S	=SYS1+H1-3X1		=SYS1+FHP01-S4.5REP	02_04_603 HZ	Ölflex-110 o.PE	2x0,75	0
W4.6H1M	=SYS1+H1-1X1		=SYS1+REC01-S4.6REP	02_02_601_HZ	Ölflex-110	4x1,5	0
W4.6H1M2	=SYS1+REC01-M4.6	02_02_201_EU	=SYS1+REC01-S4.6REP	02_02_601_HZ	Ölflex-110	4x1,5	0
W4.6H1S	=SYS1+H1-3X1		=SYS1+REC01-S4.6REP	02_02_601 HZ	Ölflex-110 o.PE	2x0,75	0
W8.0H1X	=SYS1+H1-3X1		=SYS1+PMP01-X8.0	PMP01/O8.0 UV+	Ölflex-110	7x0,75	0

			Date	26.10.2018	AZO Solids	Cable overview:	119776-00	= DOKU
			Ed. by	prz				+ KUE
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Modification	Date	Name	Original		Replacement for	Replaced by		Pg 125

Cable overview

AZO_C_KBU_35_EMSR_Ader_aus_Grafik

Cable designation	from	EMSR	to	EMSR	Cable type	Conductors	Screen
W8.1H1S	=SYS1+H1-A8.2		=SYS1+FHP01-S8.1	02_04_101 G-	Ölflex-EB	2x0,75	0
W8.2H1S	=SYS1+H1-A8.2		=SYS1+FHP01-S8.2	02_04_101 G+	Ölflex-EB	2x0,75	0
W8.4H1Y	=SYS1+H1-3X1		=SYS1+SF01-Y8.4	02_05_101 UV+	Ölflex-110	3x0,75	0
W8.5H1S	=SYS1+H1-3X1		=SYS1+SF01-S8.5	02_05_601 L-	Ölflex-110	4x0,75	0
W8.5H1Y	=SYS1+H1-3X1		=SYS1+SF01-Y8.5	02_05_102 UV+	Ölflex-110	3x0,75	0
W8.6H1S	=SYS1+H1-3X1		=SYS1+SF01-S8.6	02_05_602 G-	Ölflex-110	5x0,75	0
W8.6H1Y	=SYS1+H1-3X1		=SYS1+SF01-Y8.6	02_05_103 UV+	Ölflex-110	3x0,75	0
W9.0H1H	=SYS1+H1-3X1		=SYS1+HP01-H9.0		Ölflex-110	7x0,75	0
			PE				
W9.0H1S	=SYS1+H1-3X1		=SYS1+FHP01-S9.0	02_04_301 G-	Ölflex-110	5x0,75	0
W9.1H1S	=SYS1+H1-3X1		=SYS1+FHP01-S9.1	02_04_302 G-	Ölflex-110	5x0,75	0
W9.2H1S	=SYS1+H1-3X1		=SYS1+FHP01-S9.2	02_04_303 L-	Ölflex-110	4x0,75	0
W9.3H1S	=SYS1+H1-3X1		=SYS1+REC-S9.3	02_02_301 L+	Ölflex-110	4x0,75	0
W9.6H1H	=SYS1+H1-3X1		=SYS1+FHP01-S9.6	02_04_604_H	Ölflex-110	7x0,75	0
			=SYS1+FHP01-H9.6	02_04_504_H			
			=SYS1+FHP01-S9.7	02_04_605_H			
			=SYS1+FHP01-H9.7	02_04_505_H			
			PE				
W82H1Y	=SYS1+H1-3X1D		=SYS1+SC15-Y450.2	02_04_101 UV-	Ölflex-110	3x0,75	0
W200H1B	=SYS1+H1-4X1		=SYS1+PMP01-B200	PMP01/IPW200 PI	Unitronic LIYCY	2x0,5	1
			EMV				
W202H1B	=SYS1+H1-4X1		=SYS1+PMP01-B202	PMP01/IPW202 PI	Unitronic LIYCY	2x0,5	1
			EMV				
W204H1B	=SYS1+H1-4X1		=SYS1+PMP01-B204	PMP01/IPW204 PI	Unitronic LIYCY	2x0,5	1
			EMV				
W206H1B	=SYS1+H1-4X1		=SYS1+SF01-B206	SF01/IPW206 PI	Unitronic LIYCY	2x0,5	1
			EMV				

KURZANLEITUNG-ANLAGEN_V17_AC_DE.PDF

			Date	26.10.2018	AZO Solids		Quick-referenz installation_V17_AC_DE	**119776-00**	= DOKU
			Ed. by	prz	Base project with IEC structure				+ FD
			Appr					-	Page **3**
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			Date	26.10.2018	AZO Solids		Quick-referenz installation_V17_AC_GB	119776-00	= DOKU
			Ed. by	prz	Base project with IEC structure				+ FD
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