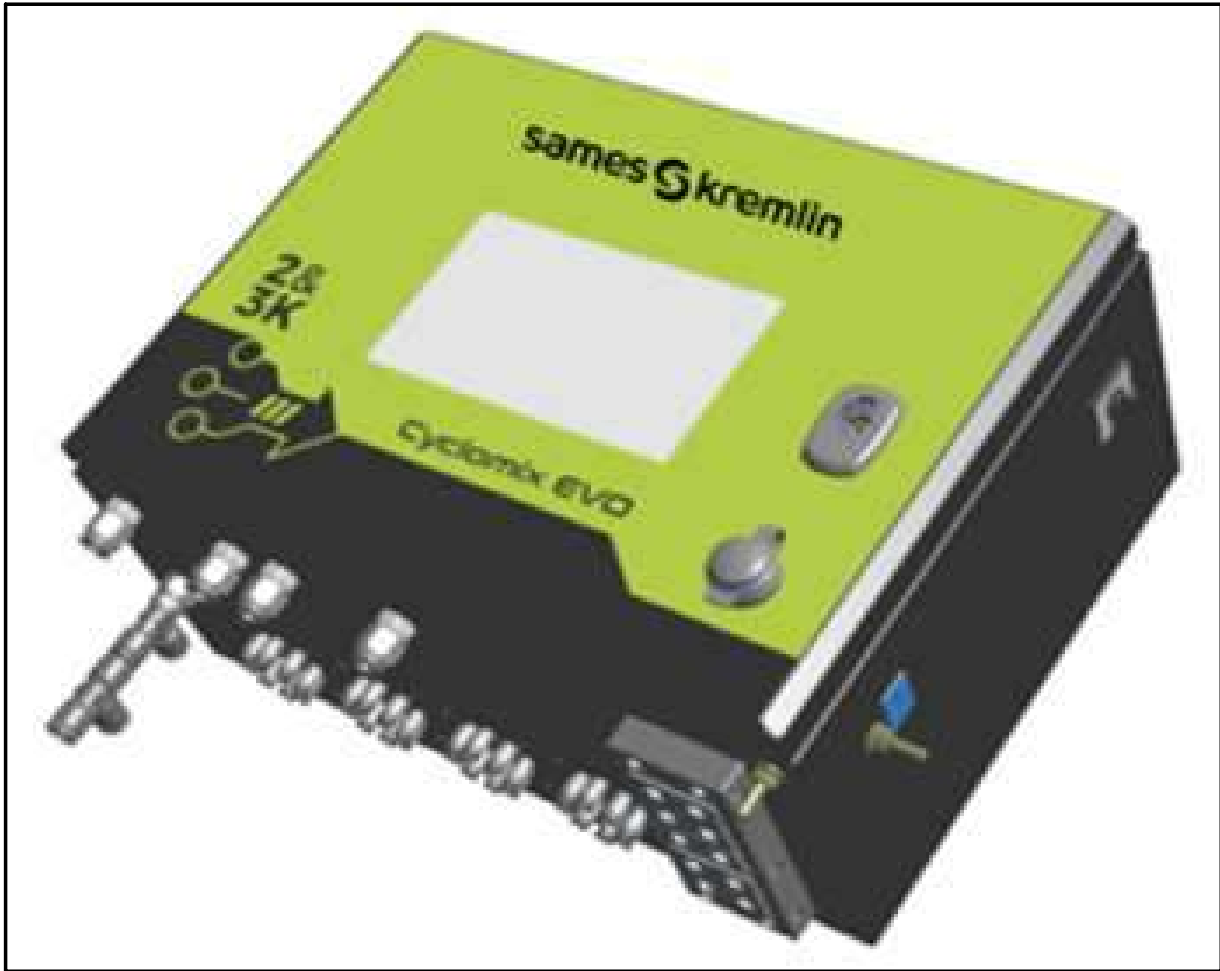


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- MODIFICATIONS -			
INDICE	VISA	DATE	COMMENTAIRE
A	JSY	22/08/2019	FIRST ISSUE
B	JSY	17/02/2020	UP DATE PROTOTYPE
C	JSY	09/04/2020	UP DATE AFTER PROTOTYPE
D	JSY	30/06/2021	UP DATE
E	JSY	07/01/2022	UP DATE AS BUILT
F	JSY	03/03/2023	UP DATE NAME EV BLOCK + SAMES LOGO
G	JSY	17/03/2023	ADD RELAY CONTACT EG1/EG2

TECHNICAL PROJECT
ELECTRICITY

Name of machine or manufacturing installation : ELECTRICAL DIAGRAM CYCLOMIX EVO MNEMO:		NAME :	
		DATE :	
		TOTAL SHEETS 67	MICROFILM
		SECTION	Project N°
Destination : WORKSHOP: Building:			
	MATRICULE	CLASSIFICATION	SOFTWARE See V4R2 V4R3 SP17 (4.89.85)
COVER PAGE		STANDARD DIAGRAM N° : 800004610 // 055661850	
		SHEET 001 2 ►	

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01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	
05									- MODIFICATIONS -											
	N° FOLIO	DESIGNATION							Ind.	VISA	DATE	Ind.	VISA	DATE	Ind.	VISA	DATE	Ind.	VISA	DATE
	001	COVER PAGE							C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022	F	JSY	03/03/2023
	2	LIST OF THE SHEETS							G	JSY	17/03/2023									
	3	LIST OF THE SHEETS							G	JSY	17/03/2023									
	004	LEGEND / WIRING RULES							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020			
	010	CHOICE CONFIGURATION							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	011	CONFIGURATION PANEL							A	JSY	22/08/2019	D	JSY	30/06/2021	F	JSY	03/03/2023			
	015	LAYOUT STATION							A	JSY	22/08/2019	D	JSY	30/06/2021	E	JSY	07/01/2022			
	016	LAYOUT STATION							A	JSY	22/08/2019	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
04	017	LAYOUT STATION							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	020	SYNOPTIC NETWORK							A	JSY	22/08/2019	C	JSY	09/04/2020						
	021	SYNOPTIC NETWORK							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	030	GENERAL DISTRIBUTION							A	JSY	22/08/2019	C	JSY	09/04/2020	E	JSY	07/01/2022			
	031	GENERAL DISTRIBUTION							A	JSY	22/08/2019	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	050	CELLS AND SENSOR DETECTION							A	JSY	22/08/2019	C	JSY	09/04/2020	E	JSY	07/01/2022			
	051	DEBISTAT SENSOR							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	053	ATEX OR NO ATEX ZONE							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	054	GEAR FLOWMETER							A	JSY	22/08/2019	C	JSY	09/04/2020	D	JSY	30/06/2021			
	055	FLOWMETER OPTICAL FIBER							A	JSY	22/08/2019	C	JSY	09/04/2020	D	JSY	30/06/2021			
03	056	MASS FLOWMETER							A	JSY	22/08/2019	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1045	EXCHANGES							A	JSY	22/08/2019	C	JSY	09/04/2020						
	1046	EXCHANGES							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	1200	ELECTRONIC BOARD							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	1210	SUPPLY BOARD CCB							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1220	SUPPLY BOARD DIOB 1							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	1221	ELECTRONIC BOARD 1 INPUT							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1223	ELECTRONIC BOARD 1 - OUTPUT 1/4							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1224	ELECTRONIC BOARD 1 - OUTPUT 2/4							C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022	F	JSY	03/03/2023
	1225	ELECTRONIC BOARD 1 - OUTPUT 3/4							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
01	1226	ELECTRONIC BOARD 1 - OUTPUT 4/4							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1230	SUPPLY BOARD DIOB 2							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	1231	ELECTRONIC BOARD 2 INPUT							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1233	ELECTRONIC BOARD 2 - OUTPUT 1/4							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1234	ELECTRONIC BOARD 2 - OUTPUT 2/4							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1235	ELECTRONIC BOARD 2 - OUTPUT 3/4							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1236	ELECTRONIC BOARD 2 - OUTPUT 4/4							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1300	VALVE BLOCKS							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	1301	VALVE BLOCKS 1							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1302	VALVE BLOCKS 2							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
1303	VALVE BLOCKS 3							C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022	F	JSY	03/03/2023	
	1304	VALVE BLOCKS 4							C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022	F	JSY	03/03/2023
	1310	VALVE BLOCKS 5							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1311	VALVE BLOCKS 6							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1312	VALVE BLOCKS 7							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1313	VALVE BLOCKS 8							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1400	LAYOUT PANEL							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020			
	1401	LAYOUT PANEL - OUTSIDE							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	1402	LAYOUT PANEL - INSIDE							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021
	1404	LAYOUT CABLE GLAND							A	JSY	22/08/2019	F	JSY	03/03/2023						
	1500	TERMINAL							A	JSY	22/08/2019	C	JSY	09/04/2020						

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01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20				
									- MODIFICATIONS -														
N° FOLIO		DESIGNATION							Ind.	VISA	DATE	Ind.	VISA	DATE	Ind.	VISA	DATE	Ind.	VISA	DATE			
05	1501	TERMINAL : +CYCL P-0V 1/1 CYCL_P							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1502	TERMINAL : +CYCL P-24V 1/1 CYCL_P							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1503	TERMINAL : +CYCL P-031X1 1/1 CYCL_P							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1504	TERMINAL : +CYCL P-051X1 1/1 CYCL_P							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1505	TERMINAL : +CYCL P-053X1 1/1 CYCL_P							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1506	TERMINAL : +CYCL P-1224X1 1/1 CYCL_P							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1507	TERMINAL : +CYCL P-1226X1 1/1 CYCL_P							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
04	1600	PARTS LIST							A	JSY	22/08/2019	C	JSY	09/04/2020									
	1601	PARTS LIST LOCATION : - 1313							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1602	PARTS LIST LOCATION : 1224 - 1313							A	JSY	22/08/2019	B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022
	1700	LABELS							A	JSY	22/08/2019	C	JSY	09/04/2020									
	1701	FIRM LABEL CYCL_P							A	JSY	22/08/2019	C	JSY	09/04/2020	F	JSY	03/03/2023						
	1702	POWER CABINET LABEL CYCL_P							A	JSY	22/08/2019	C	JSY	09/04/2020	E	JSY	07/01/2022	F	JSY	03/03/2023			
	1800	LIST OF THE CABLE							A	JSY	22/08/2019	C	JSY	09/04/2020									
03	1801	LIST OF THE CABLE							B	JSY	17/02/2020	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022	F	JSY	03/03/2023
	1900	EQUIPOTENTIAL DIAGRAM							A	JSY	22/08/2019	C	JSY	09/04/2020	E	JSY	07/01/2022						
	1901	EQUIPOTENTIAL DIAGRAM CYCL_P							A	JSY	22/08/2019	C	JSY	09/04/2020	D	JSY	30/06/2021	E	JSY	07/01/2022	F	JSY	03/03/2023
01																							

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0102030405060708091011121314151617181920

05

LEGEND (Electro Magnetic Compatibility):

SHIELDING CONNEXION BY STRAP 360° <i>REPRISE DE BLINDAGE AVEC CONNECTEUR A 360°</i>	
SHIELDING BY METALLIC CABLE GLAND <i>REPRISE DE BLINDAGE PAR PRESSE ETOUPE METALLIQUE</i>	
SHIELDING BY METALLIC CONNECTOR <i>REPRISE DE BLINDAGE PAR CONNECTEUR METALLIQUE</i>	
GROUND LEAD <i>TRESSE DE MASSE</i>	

WIRING RULES:

MINIMUM SECTION FOR I/O CARDS 0.5mm2 <i>SECTIONS MINIMALES POUR CARTES E/S 0.5mm2</i>
MINIMUM SECTION FOR CONTROL 1mm2 <i>SECTIONS MINIMALES POUR COMMANDE 1mm2</i>
MINIMUM SECTION FOR POWER 1.5mm2 <i>SECTIONS MINIMALES POUR PUISSANCE 1.5mm2</i>
MINIMUM SECTION FOR ANALOG 0.34mm2 <i>SECTIONS MINIMALES POUR ANALOGIQUE 0.34mm2</i>

04

03

LOCATION DESIGNATION

<i>BOOTH</i> <i>CUST</i> <i>CYCL_P</i>	<i>BOOTH</i> <i>CUSTOMER</i> <i>CYCLOMIX EVO PANEL</i>	<i>PROD_P</i> <i>CYCL_ADD_P</i> <i>RC</i>	<i>PRODUCT PLATE</i> <i>CYCLOMIX ADDITIONAL PANEL</i> <i>REMOTE CONTROL</i>
--	--	---	---

01

LOCATION :

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0102030405060708091011121314151617181920

05

04

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01

LOCATION :



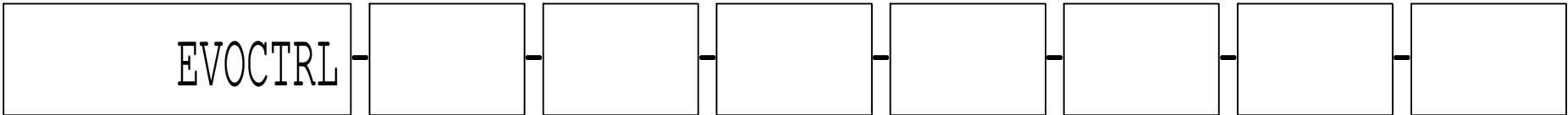
- MODIFICATIONS-					
REVISION	A	B	C	D	E
SIGNATURE	JSY	JSY	JSY	JSY	JSY
DATE	22/08/2019	17/02/2020	09/04/2020	30/06/2021	07/01/2022

CHOICE CONFIGURATION

STANDARD
Project N° 800004610 // 055661850

SHEET
010
◀004011▶

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NORM CE	CE
NORM CE ATEX	EX
NORM UL	UL
EXPLOSION PROOF	EP

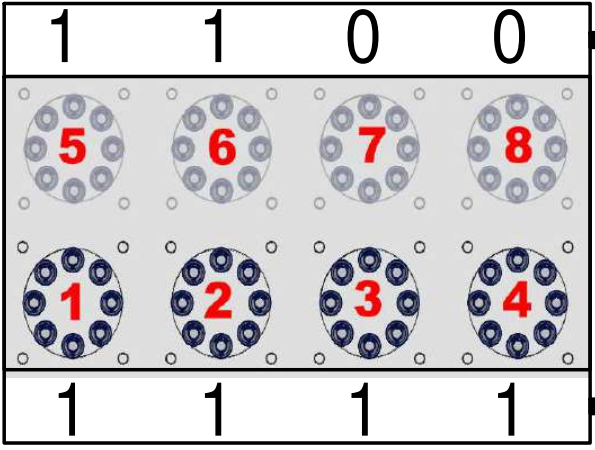
PRODUCT 2K	2K
PRODUCT 3K	3K

ROBOT EXCHANGE-NONE	XX
ROBOT EXCHANGE - PROFINET	PN
ROBOT EXCHANGE - ETHERNET	ET
ROBOT EXCHANGE - MODBUS	MB
ROBOT EXCHANGE - PROFIBUS	PB
ROBOT EXCHANGE - CC-LINK	CC

IO CARD - 1DIOB	1
IO CARD - 2DIOB	2

00	FLOWSWITCH NONE
01	1 FLOWSWITCH
02	2 FLOWSWITCH

GGX	2 GEARFLOWMETER
GGG	3 GEARFLOWMETER
MMX	2 MASSFLOWMETER
MMM	3 MASSFLOWMETER
GMX	1 GF + 1MF
MGX	1 MF + 1GF
GGM	2GF + 1MF
GMM	1GF + 2MF
GMG	1GF+1MF+1GF
MGM	1MF+1GF+1MF
FFX	2 FIBER OPTIC FLOWMETER
FFF	3 FIBER OPTIC FLOWMETER



1111 : 1100

0000 0000	WITHOUT MODULE
1010 0000	MODULE 1&3
1011 0000	MODULE 1,3&4
1110 0000	MODULE 1,2&3
1111 0000	4 MODULE
1110 1000	MODULE 1,2,3&5
1110 1100	MODULE 1,2,3,5&6
1110 1110	MODULE 1,2,3,5,6&7
1110 1111	MODULE 1,2,3,4,5,6,7&8
1110 0100	MODULE 1,2,3&6
1110 0110	MODULE 1,2,3,6&7
1110 0111	MODULE 1,2,3,6,7&8
1111 1000	4 FIRST MODULE 5
1111 1100	4 FIRST MODULE 5&6
1111 1110	4 FIRST MODULE 5,6&7
1111 1111	4 FIRST MODULE 5,6,7&8
1111 0100	4 FIRST MODULE 6
1111 0110	4 FIRST MODULE 6&7
1111 0111	4 FIRST MODULE 6,7&8

LOCATION :

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0102030405060708091011121314151617181920

05

04

03

01

LAYOUT STATION

LOCATION :

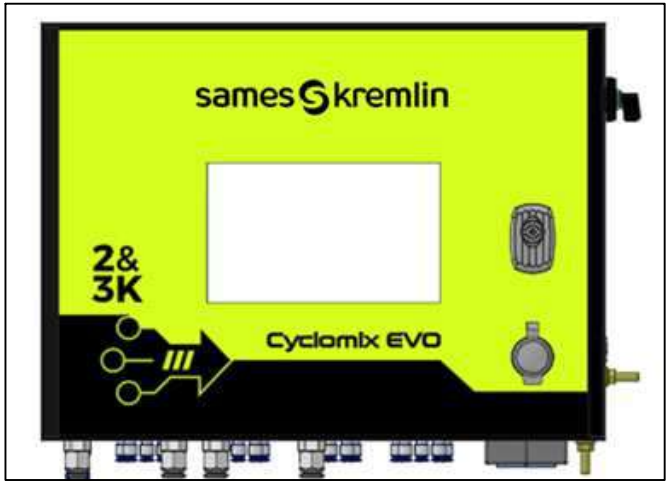
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REMOTE CONTROL



+RC

CYCLOMIX EVO PANEL



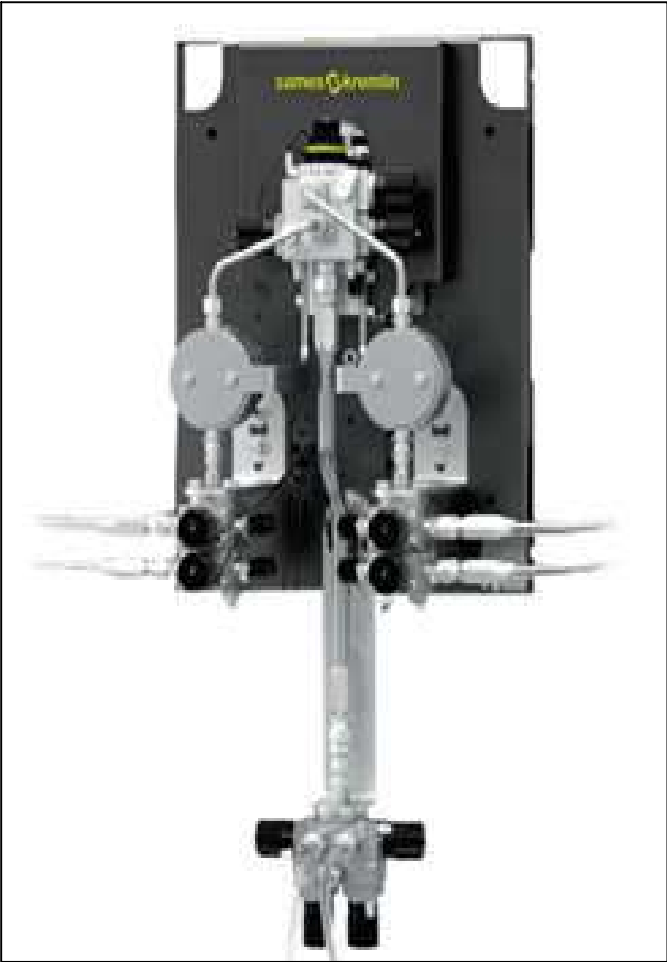
+CYCL_P

CYCLOMIX ADDITIONNAL CABINET



+CYCL_ADD_P

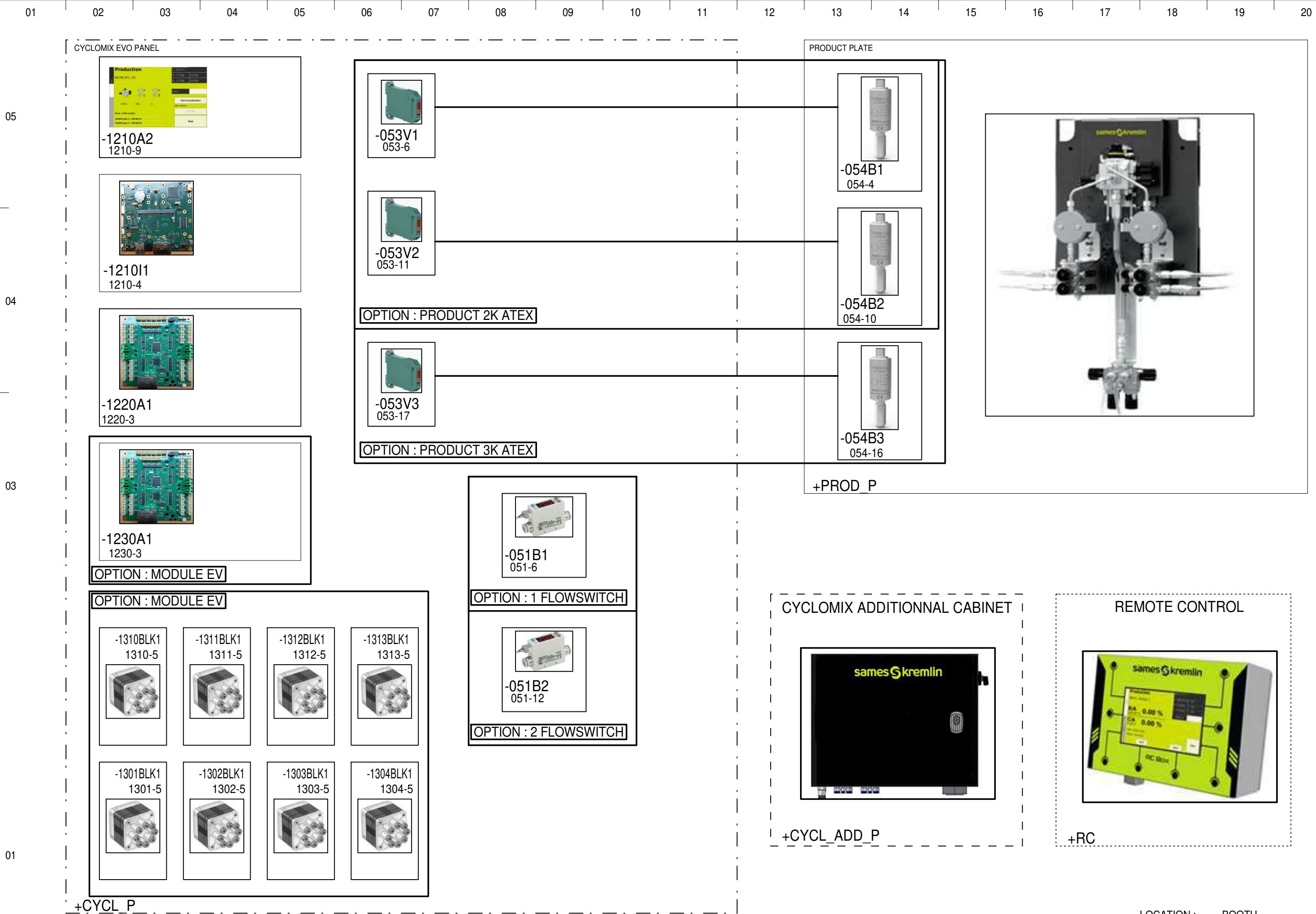
PRODUCT PLATE



+PROD_P

LOCATION :

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LOCATION : BOOTH

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SYNOPTIC NETWORK

LOCATION :

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Production

RECIPE N°1 / 2K

220cc

180cc

100cc

Flow : 0.08 cc/min

Pottle gun 1 : 00:00:12

Pottle gun 2 : 00:00:15

1

2

Can 1

End of production

Job number

STATUS

Stop

1

2

205.5 °C

4 : 3.0 Bar

5 : 3.5 Bar

0.0 Bar

0.0 Bar

-1210A2

1210-9

AMPIRE CO

LVDS BLACKLIGHT

-1210I1

1210-4

CCB BOARD



RJ45

RJ45

RJ45

MODULE 1

-1223Q1

OUTPUT 1 -->8

1223-4

⊕ ⊖

⊕ ⊖

⊕ ⊖

⊕ ⊖

MODULE 2

-1224Q1

OUTPUT 9 -->16

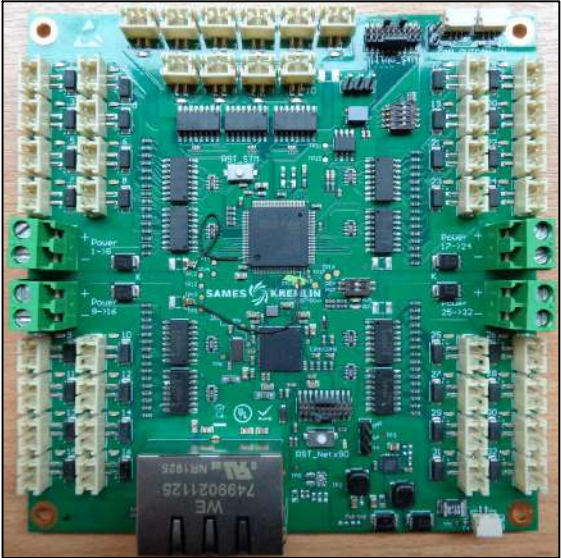
1224-4

-1221I1

INPUT 1-->10

1221-2

DIOB BOARD



RJ45

RJ45

1220-3

-1220A1

MODULE 3

-1225Q1

OUTPUT 17 -->24

1225-4

⊕ ⊖

⊕ ⊖

⊕ ⊖

⊕ ⊖

MODULE 4

-1226Q1

OUTPUT 24 -->32

1226-4

ETHERCAT
ETHERCAT

MODULE 5

-1233Q1

OUTPUT 1 -->8

1233-4

⊕ ⊖

⊕ ⊖

⊕ ⊖

⊕ ⊖

MODULE 6

-1234Q1

OUTPUT 9 -->16

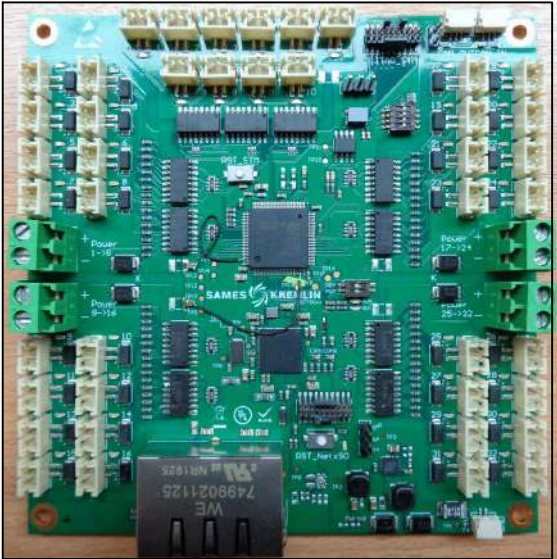
1234-4

-1231I1

INPUT 1-->10

1231-2

DIOB BOARD



RJ45

RJ45

1234-4

-1234Q1

MODULE 7

-1235Q1

OUTPUT 17 -->24

1235-4

⊕ ⊖

⊕ ⊖

⊕ ⊖

⊕ ⊖

MODULE 8

-1236Q1

OUTPUT 24 -->32

1236-4

OPTION : MODULE EV

LOCATION : CYCL_P

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

05

04

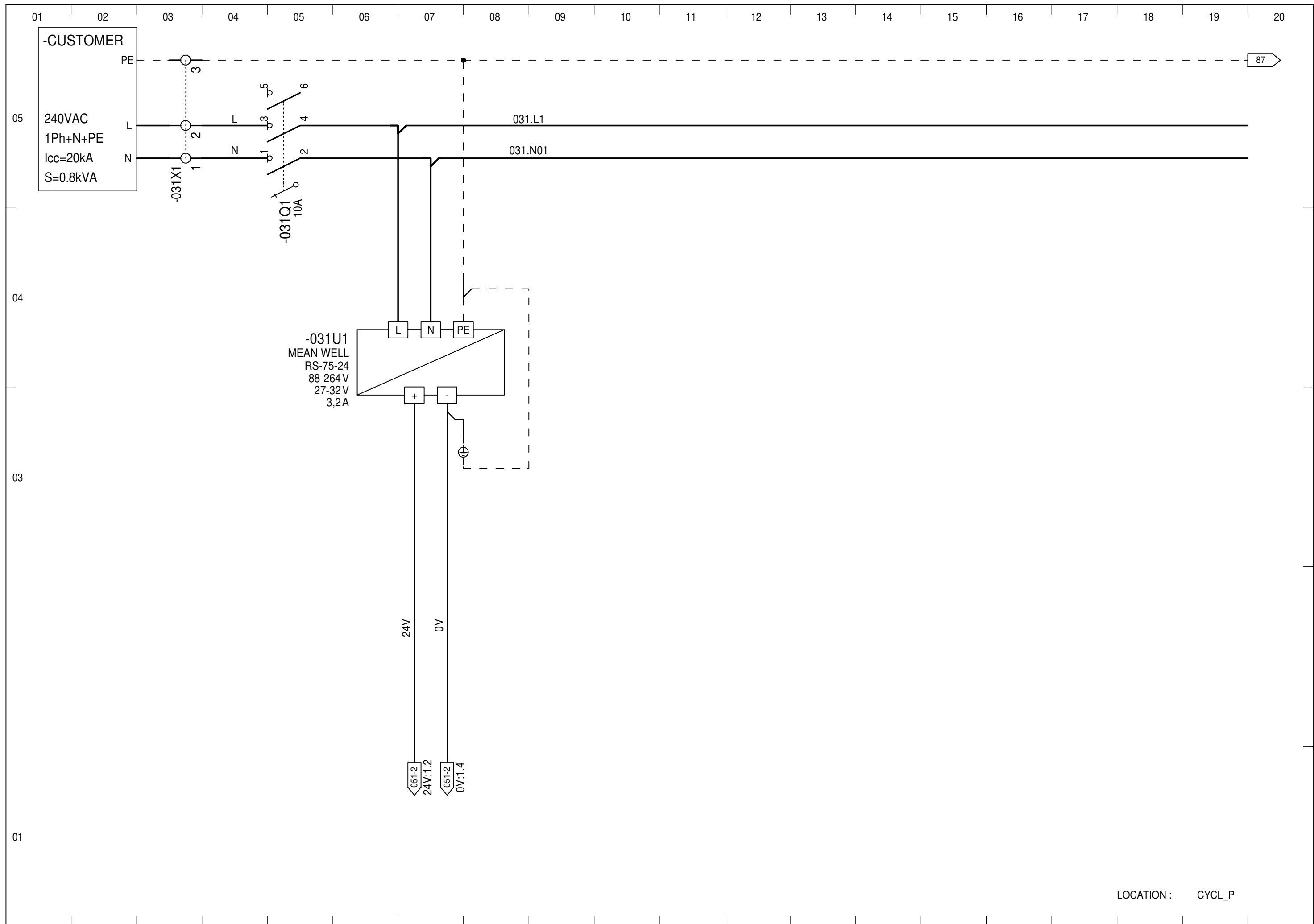
03

01

GENERAL DISTRIBUTION

LOCATION :

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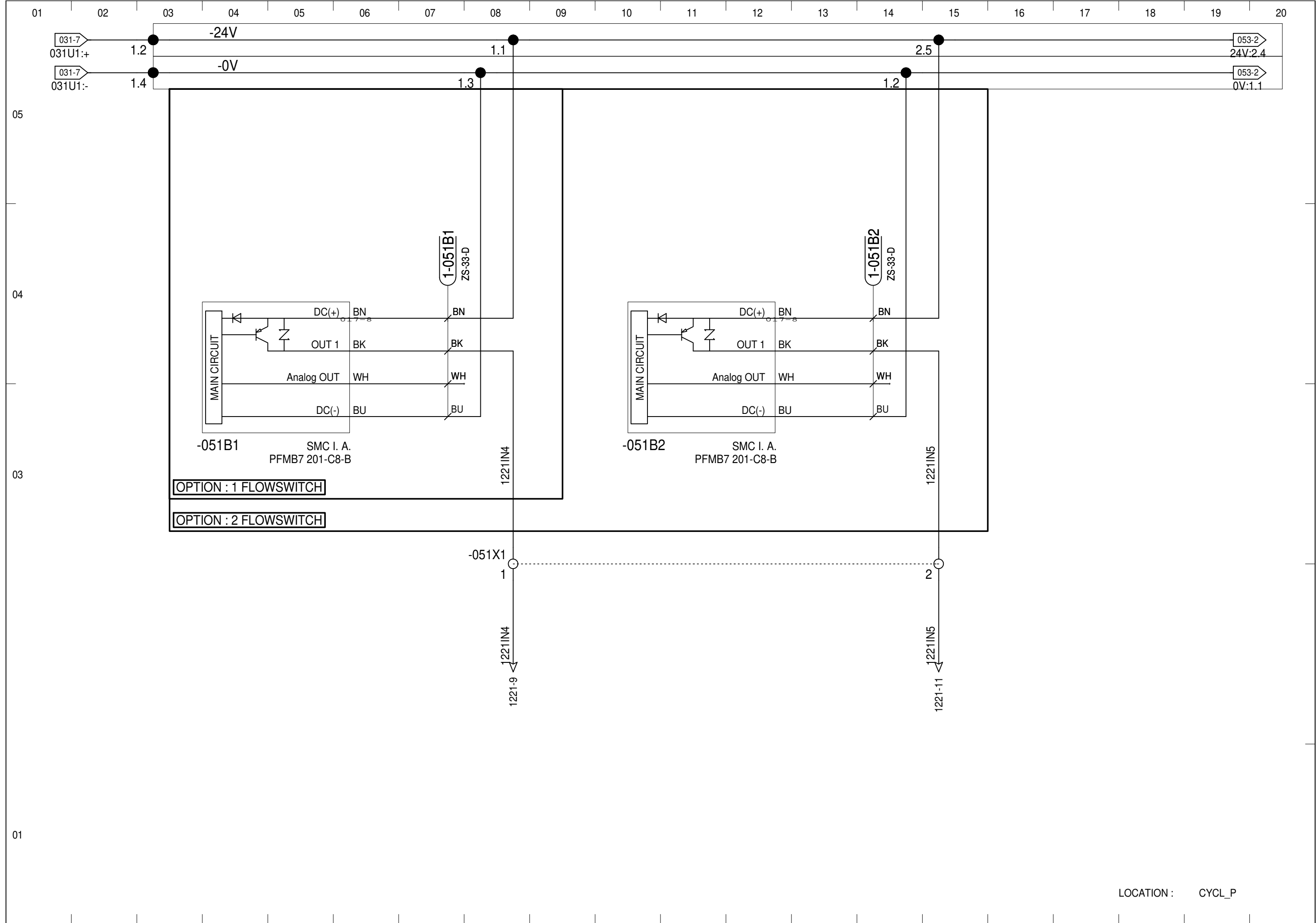
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CELLS AND SENSOR

DETECTION

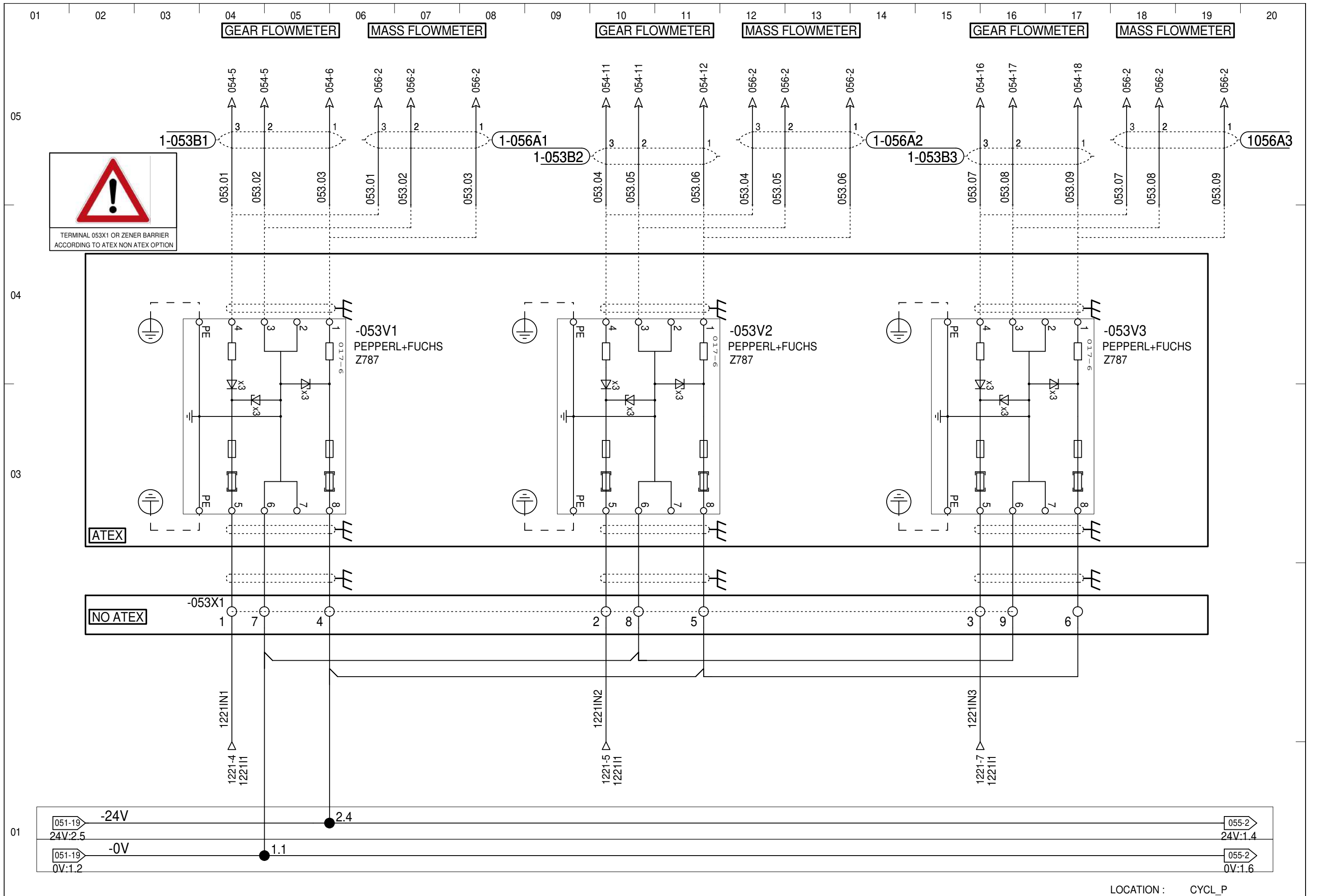
LOCATION :

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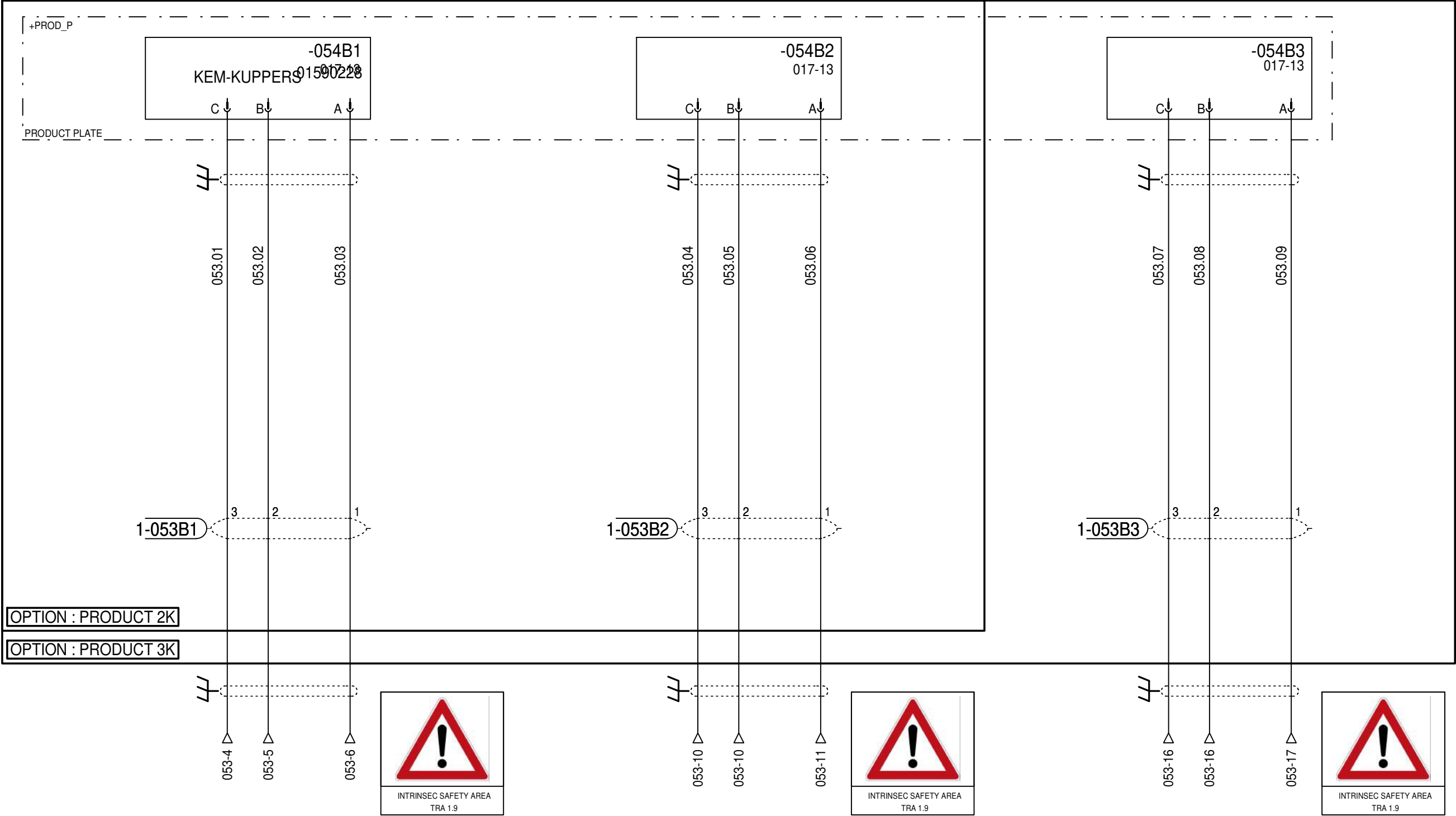


LOCATION : CYCL_P

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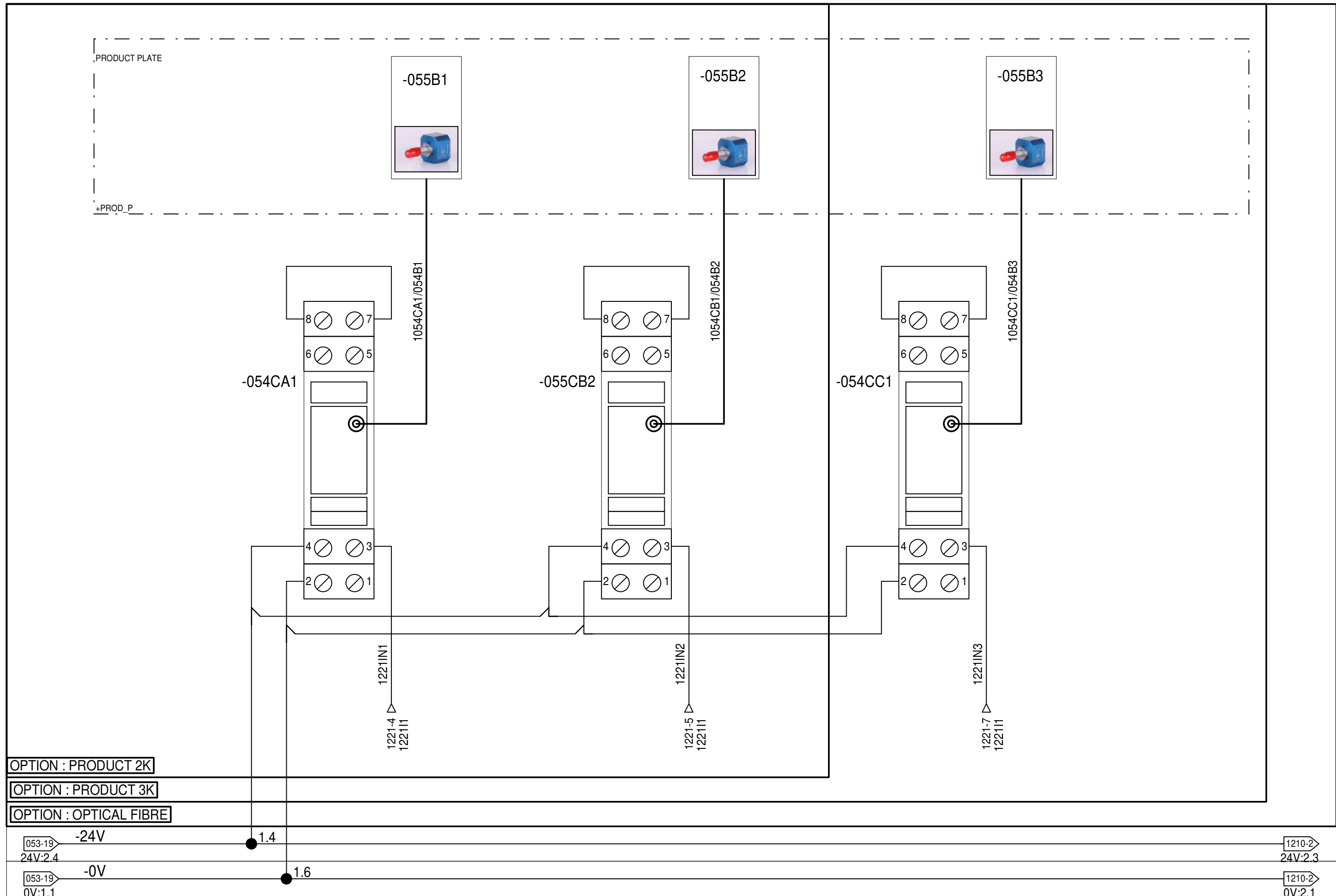


LOCATION :

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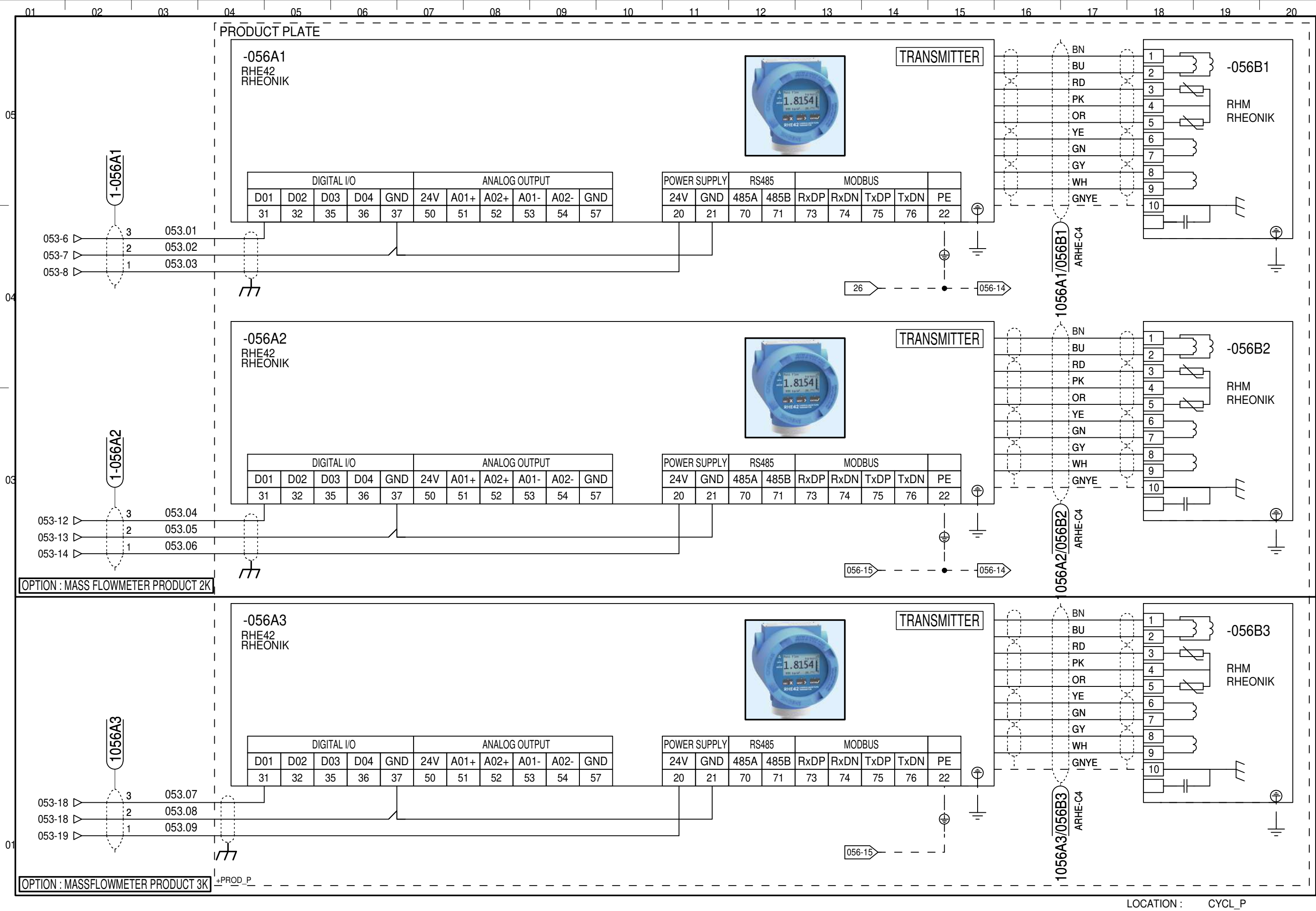
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

05
04
03
01



LOCATION : CYCL_P

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

05

04

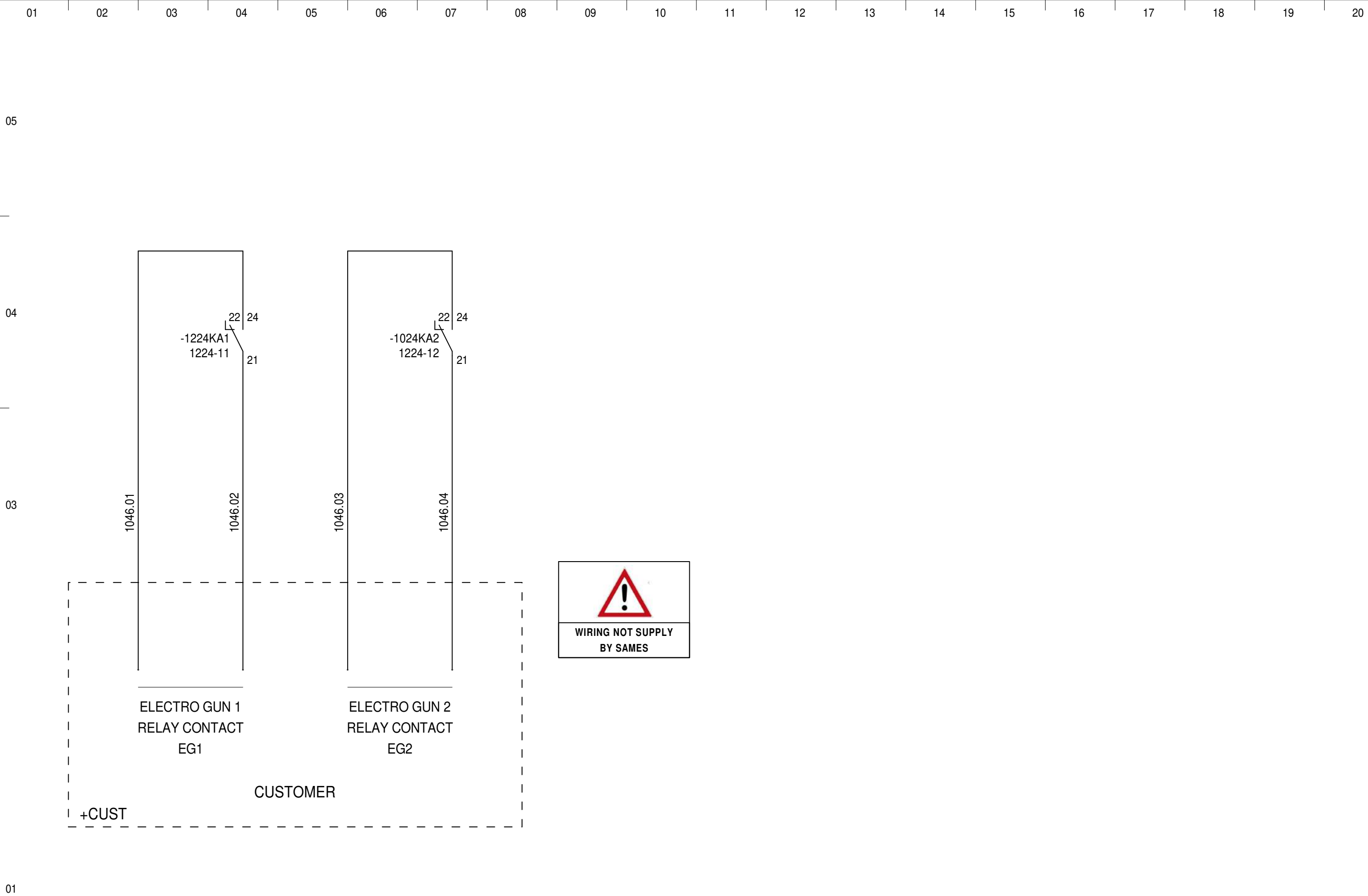
03

01

EXCHANGES

LOCATION :

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LOCATION : CYCL_P

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0102030405060708091011121314151617181920

05

04

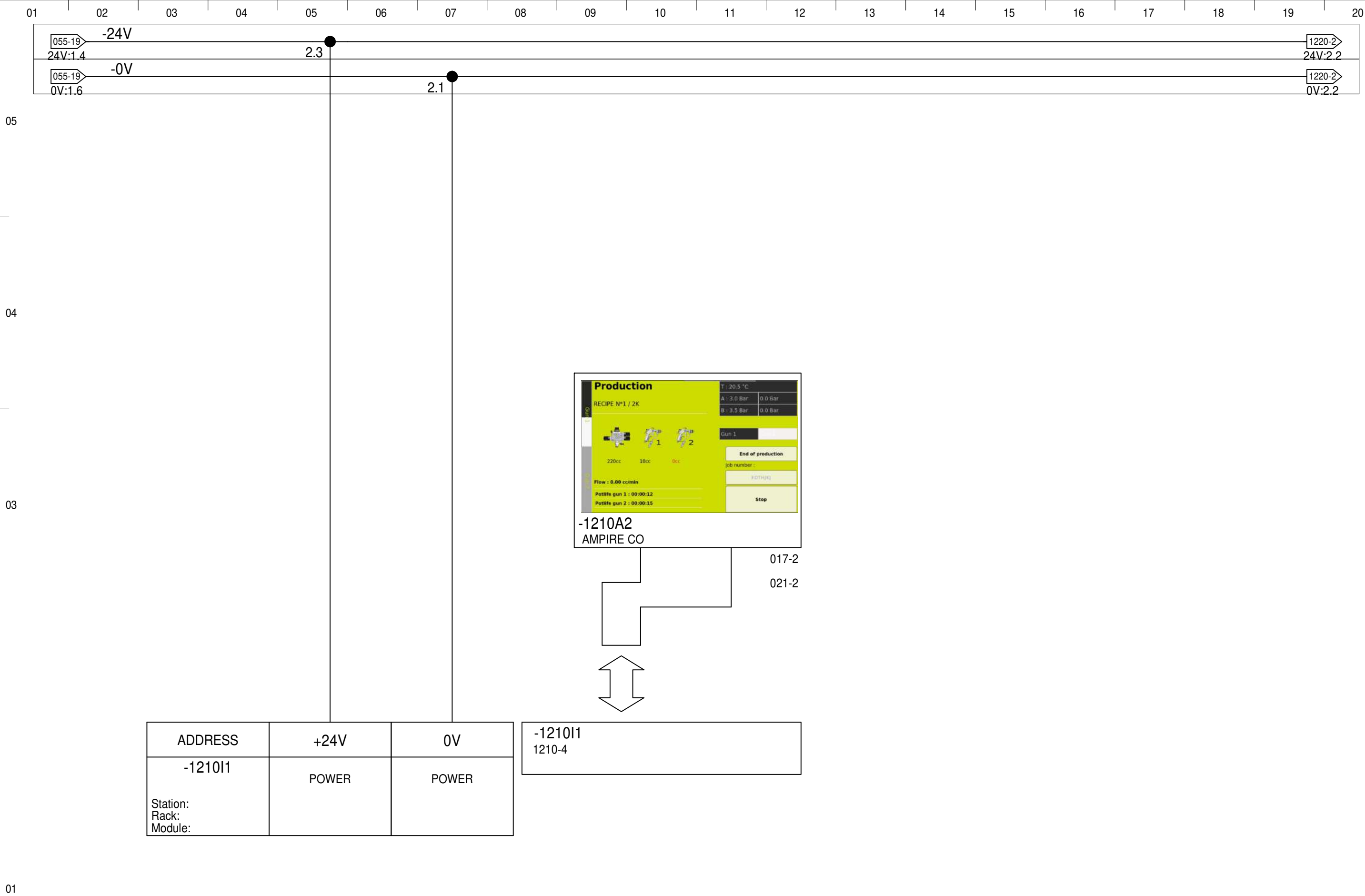
ELECTRONIC BOARD

03

01

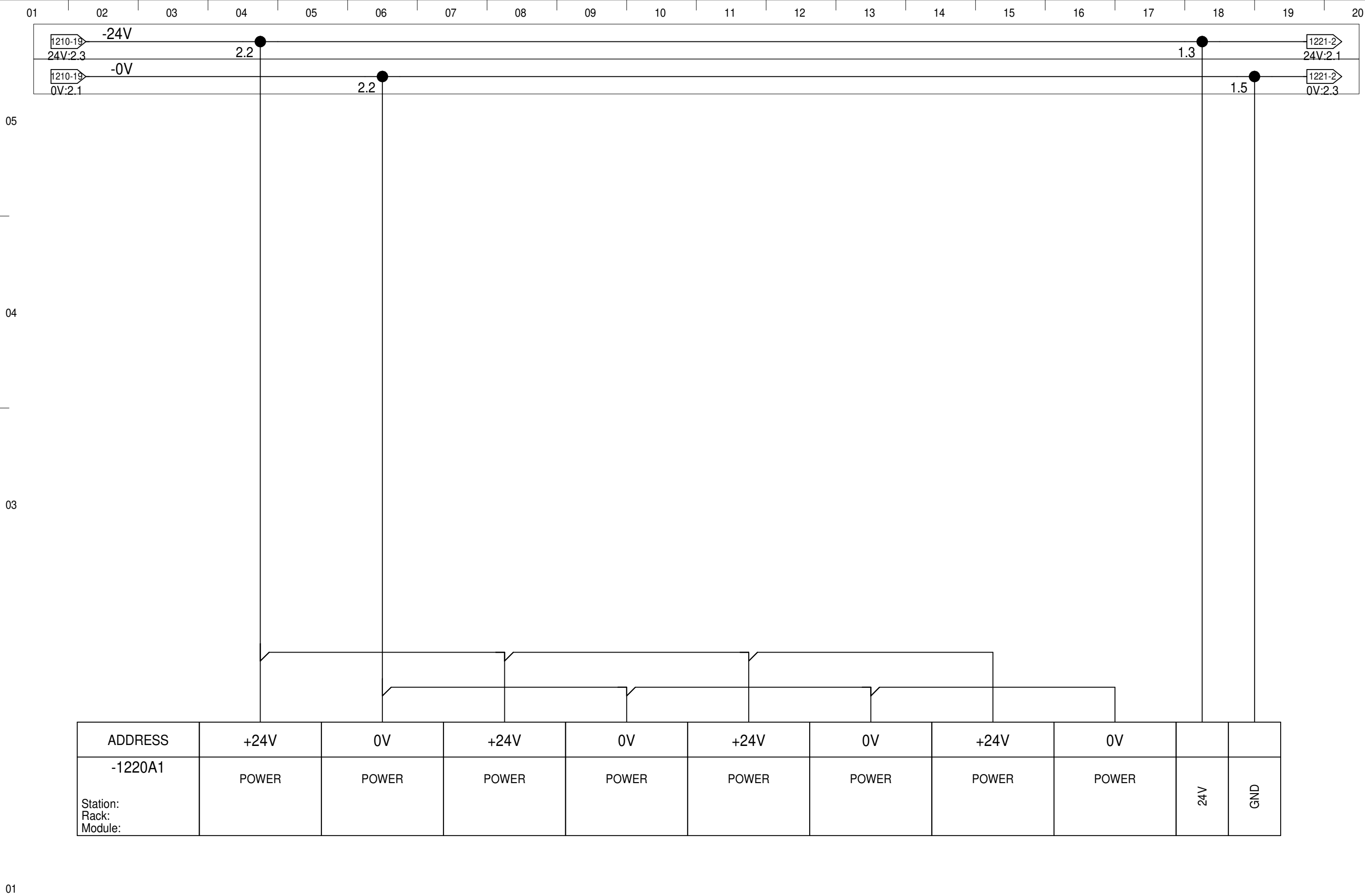
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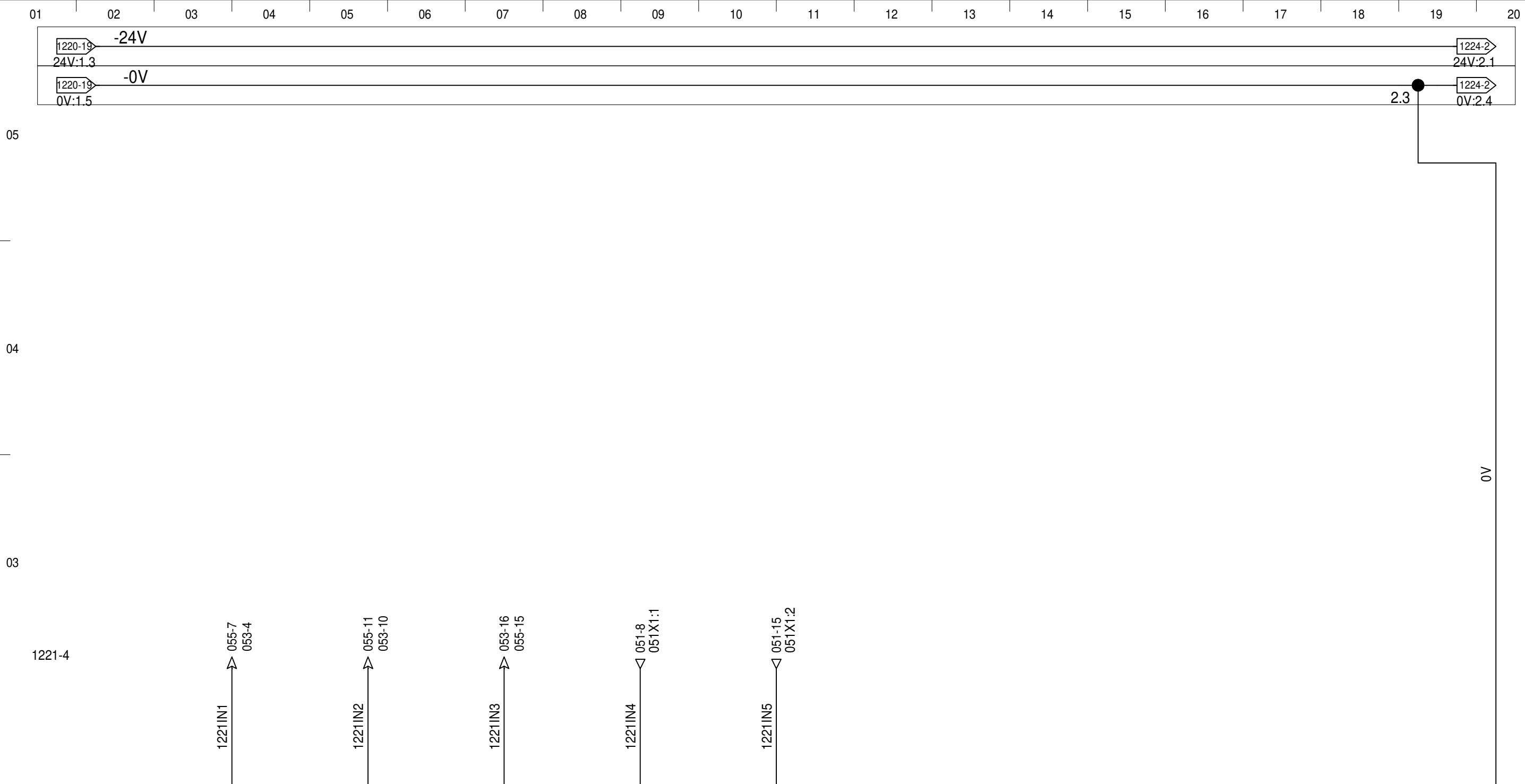
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LOCATION : CYCL_P

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ADDRESS	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	IN9	IN10
-122111	IFLOWA FLOWMETER A	IFLOWB FLOWMETER B	IFLOWC FLOWMETER C	IDG1 DEBISTAT G1 / ROBOT G1	IDG2 DEBISTAT G2 / ROBOT G2	IEOPG1 END OF PRODUCTION G1	IEOPG2 END OF PRODUCTION G2	FP1 SWITCH FLOW PUMP 1	FP2 SWITCH FLOW PUMP 2	STOP STOP

021-14

01

PHR-2 CONNECTOR
ALWAYS CONNECT
THE POSITIVE WIRE
EXCEPT IN10
NEGATIVE WIRE

LOCATION : CYCL_P

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PHR-2 CONNECTOR

ALWAYS CONNECT
THE POSITIVE WIRE



-1223Q1	PRODUCT 1	PRODUCT 2	PRODUCT 3	PRODUCT 4	PRODUCT 5	PRODUCT 6	PRODUCT 7	PRODUCT 8
Station: Rack: Module:	EV1_GR1 P1	EV2_GR1 P2	EV3_GR1 P3	EV4_GR1 P4	EV5_GR1 P5	EV6_GR1 P6	EV1_GR2 P7	EV2_GR2 P8
ADDRESS	1	2	3	4	5	6	7	8

1223-5

1-1301BLK1
868.850I

BR

1301-5

RD

1301-7

OR

1301-9

YE

1301-11

GN

1301-12

BU

1301-14

BR

1302-5

RD

1302-7

1-1302BLK1
868.850I

MODULE 1 - 1301BLK1

MODULE 2 - 1302BLK1

OPTION : PRODUCTS 7 -->11

LOCATION : CYCL_P

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PHR-2 CONNECTOR

ALWAYS CONNECT
THE POSITIVE WIRE



-1224Q1	PRODUCT 9	PRODUCT 10	PRODUCT 11	ELECTRO GUN 1	ELECTRO GUN 2	BUZZER	DUMP 1	DUMP 2
Station: Rack: Module:	EV3_GR2 P9	EV4_GR2 P10	EV5_GR2 P11	RELAY CONTACT NO EG1	RELAY CONTACT NO EG2	- BUZ	EV1_GR3 S-DP1	EV2_GR3 S-DP2
ADDRESS	9	10	11	12	13	14	15	16

1224-5

1-1302BLK1
868.850I

OR

YE

GN

MODULE 2 - 1302BLK1

OPTION : PRODUCTS 7 -->11

1224Q112

1224Q113

1224Q114

BR

RD

1-1303BLK1
868.850I

1302-9

1302-11

1302-12

-1224X1
1

1303-5

1303-7

MODULE 3 - 1303BLK1

-1224KA1
24V

A1

-1024KA2
24V

A1

A2

A2

2.4

2.5

-24V

1221-19
24V:1.3

-0V

1221-19
0V:2.3

1225-2
24V:2.1

1225-2
0V:3.6

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PHR-2 CONNECTOR

ALWAYS CONNECT
THE POSITIVE WIRE



-1225Q1	TEST VALVE A	TEST VALVE B	TEST VALVE C	FLUSHING FB1	FLUSHING FB2	AIR CHOP	FLUSH BOX 1	FLUSH BOX 2
Station: Rack: Module:	EV3_GR3 S-TA	EV4_GR3 S-TB	EV5_GR3 S-TC	EV6_GR3 S-FFB1	EV7_GR3 S-FFB2	EV7_GR1 S-AC	EV8-GR1 S-AFE1	EV1-GR4 S-AFE2
ADDRESS	17	18	19	20	21	22	23	24

1225-5

1-1303BLK1
868.850I

OR

1303-9

YE

1303-11

GN

1303-12

BU

1303-14

VT

1303-16

1-1301BLK1
868.850I

VT

1301-16

GY

1301-18

1-1304BLK1
868.850I

BR

1304-5

MODULE 3 - 1303BLK1

MODULE 1 - 1301BLK1

MODULE 4 - 1304BLK1

OPTION : 2 GUNS + FPR

1224-19
24V:1.3
1224-19
0V:2.5

-24V

-0V

1226-2
24V:2.1
1226-2
0V:3.6

LOCATION : CYCL_P

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PHR-2 CONNECTOR

ALWAYS CONNECT
THE POSITIVE WIRE



-1226Q1	RINSING GUN1	RINSING GUN2	GUN1	GUN2	PRESSURE WORK	PRESSURE RINSING	INJECTION B	INJECTION C
Station: Rack: Module:	EV1_GR4 S-RG1	EV2_GR4 S-RG2	EV3_GR4 S-AG1	EV4_GR4 S-AG2	EV5_GR4 S-PREGT	EV6_GR4 S-PREGR	S-INJB	S-INJC
ADDRESS	25	26	27	28	29	30	31	32

1226-16

1-1304BLK1
868.850I

RD

OR

YE

GN

BU

VT

1304-7

1304-9

1304-11

1304-12

1304-14

1304-16

MODULE 4 - 1304BLK1

OPTION : 2 GUNS + FPR

1226Q131

1226Q132

-1226X1
1

2

1225-19
24V:1.3
1225-19
0V:2.5

-24V

-0V

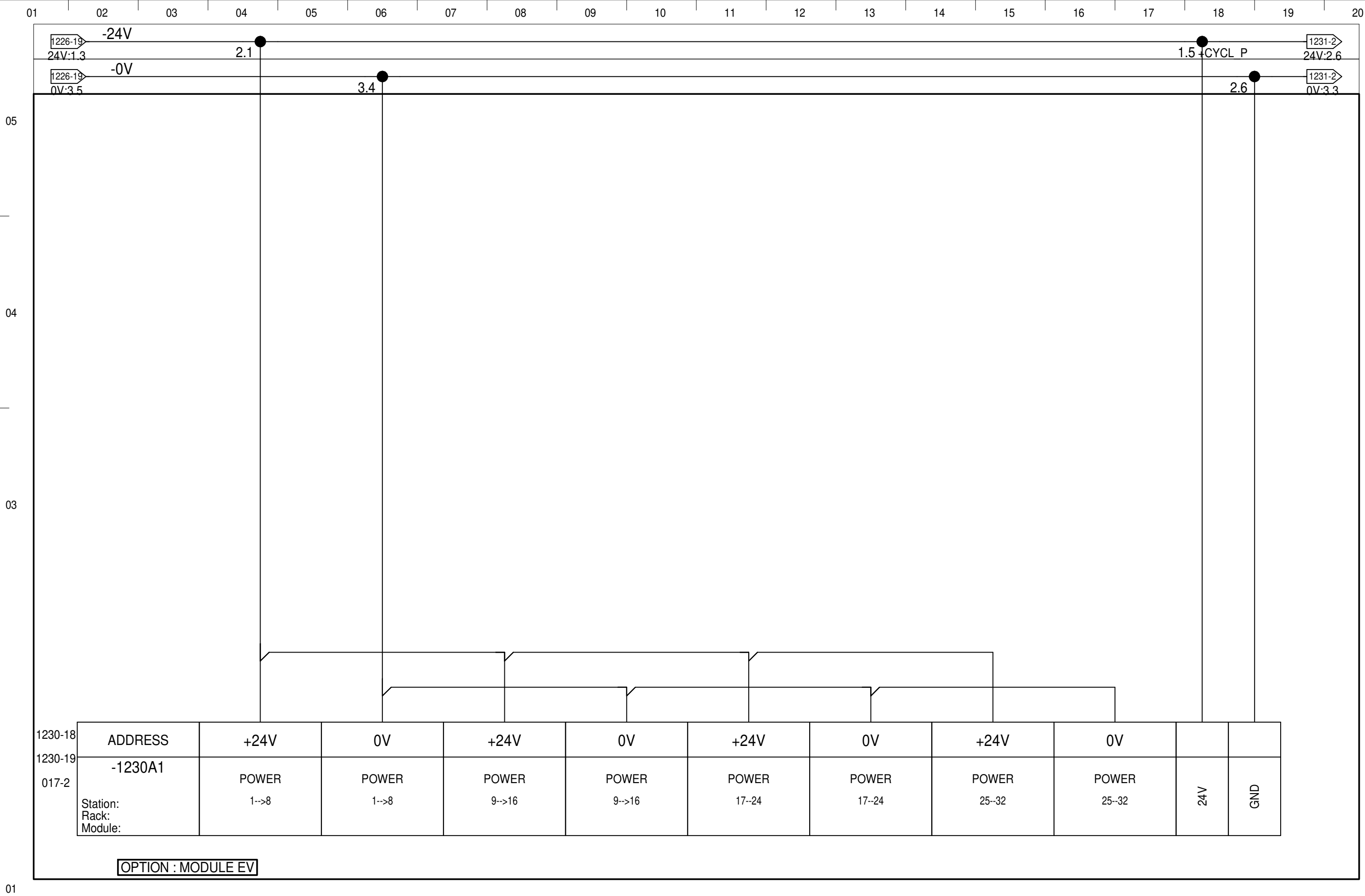
1230-2
24V:2.1
1230-2
0V:3.4

3.6

3.5

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LOCATION : CYCL_P

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ADDRESS	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	IN9	IN10
-123111	X	X	X	X	X	X	X	X	X	X
Station: Rack: Module:	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

OPTION 3: MODULE EV 231-111231-121231-141231-161231-181231-19



PHR-2 CONNECTOR
ALWAYS CONNECT
THE POSITIVE WIRE
EXCEPT IN10
NEGATIVE WIRE



LOCATION : CYCL_P

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PHR-2 CONNECTOR

ALWAYS CONNECT
THE POSITIVE WIRE



-1233Q1	FLUSH WASTE	CLEAN SOLVENT	DIRTY SOLVENT	PAINT RECOVERY	WATER RECOVERY	SPARE	SPARE	SPARE
Station: Rack: Module:	S-FR EV1_GR5	S-CSBR EV2_GR5	S-DSBR EV3_GR5	S-PR EV4_GR5	S-WR EV5_GR5	EV6_GR5	EV7_GR5	EV8_GR5
ADDRESS	1	2	3	4	5	6	7	8

021-4

1-1310BLK1
868.850I

BR

RD

OR

YE

GN

BU

VT

GY

1310-5

1310-7

1310-9

1310-11

1310-12

1310-14

1310-16

1310-18

MODULE 5 - 1310BLK1

OPTION : WASTE MANAGEMENT

LOCATION : CYCL_P

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PHR-2 CONNECTOR

ALWAYS CONNECT
THE POSITIVE WIRE



-1234Q1	PRODUCT 12	PRODUCT 13	PRODUCT 14	PRODUCT 15	PRODUCT 16	PRODUCT 17	PRODUCT 18	PRODUCT 19
Station: Rack: Module:	P12 EV1_GR6	P13 EV2_GR6	P14 EV3_GR6	P15 EV5_GR6	P16 EV6_GR6	P17 EV7_GR6	P18 EV8_GR6	P19 EV9_GR6
ADDRESS	9	10	11	12	13	14	15	16

021-4

1-1311BLK1
868.850I

BR

RD

OR

YE

GN

BU

VT

GY

1311-5

1311-7

1311-9

1311-11

1311-12

1311-14

1311-16

1311-18

MODULE 6 - 1311BLK1

OPTION : PRODUCT 12 --> 19

LOCATION : CYCL_P

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PHR-2 CONNECTOR

ALWAYS CONNECT
THE POSITIVE WIRE



-1235Q1	PRODUCT 20	PRODUCT 21	PRODUCT 22	PRODUCT 23	PRODUCT 24	PRODUCT 25	PRODUCT 26	PRODUCT 27
Station: Rack: Module:	P20 EV1_GR7	P21 EV2_GR7	P22 EV3_GR7	P23 EV4_GR7	P24 EV5GR7	P25 EV6_GR7	P26 EV8_GR7	P27 EV9_GR7
ADDRESS	17	18	19	20	21	22	23	24

021-10

1-1312BLK1
868.850I

BR

RD

OR

YE

GN

BU

VT

GY

1312-5

1312-7

1312-9

1312-11

1312-12

1312-14

1312-16

1312-18

MODULE 7 - 1312BLK1

OPTION : PRODUCT 20 --> 27

1231-19
24V:1.5
1231-19
0V:3.3

-24V

-0V

1236-2
24V:2.6
1236-2
0V:3.2

LOCATION : CYCL_P

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PHR-2 CONNECTOR

ALWAYS CONNECT
THE POSITIVE WIRE



-1236Q1	PRODUCT 28	PRODUCT 29	PRODUCT 30	PRODUCT 31	PRODUCT 32	PRODUCT 33	PRODUCT 34	PRODUCT 35
Station: Rack: Module:	P28 EV1_GR8	P29 EV2_GR8	P30 EV3_GR8	P31 EV4_GR8	P32 EV5_GR8	P33 EV6_GR8	P34 EV7_GR8	P35 EV8_GR8
ADDRESS	25	26	27	28	29	30	31	32

021-10

1-1313BLK1
868.850I

BR

RD

OR

YE

GN

BU

VT

GY

1313-5

1313-7

1313-9

1313-11

1313-12

1313-14

1313-16

1313-18

MODULE 8 - 1313BLK1

OPTION : PRODUCT 28 --> 35

1235-19
24V:1.5
1235-19
0V:3.3

-24V

-0V

1301-2
24V:2.6

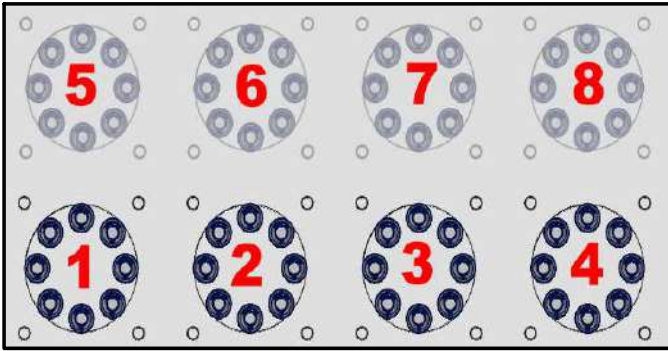
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0V:3.2

LOCATION : CYCL_P

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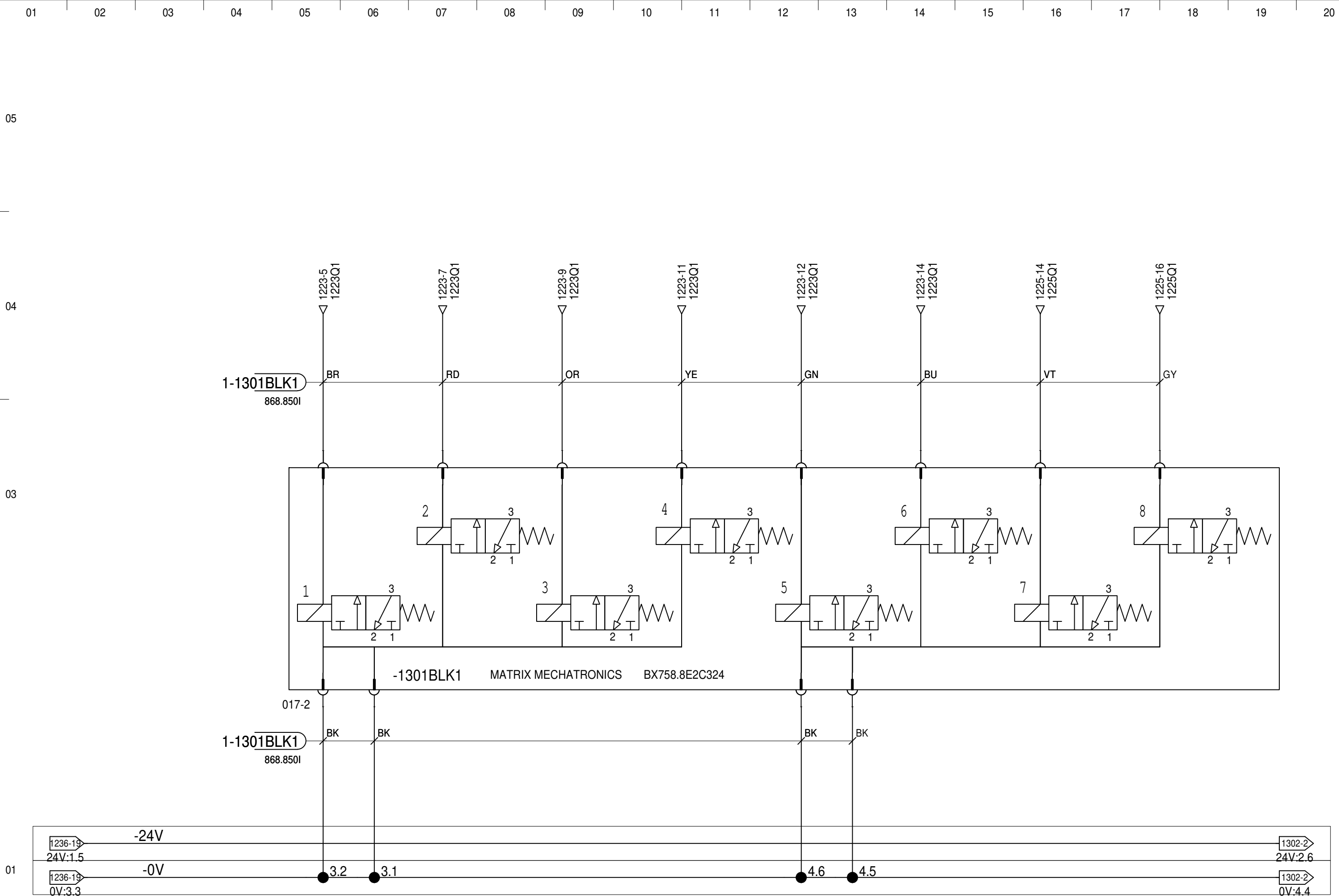
VALVES BLOCKS

LOCATION OF
MODULES ON
THE BOX



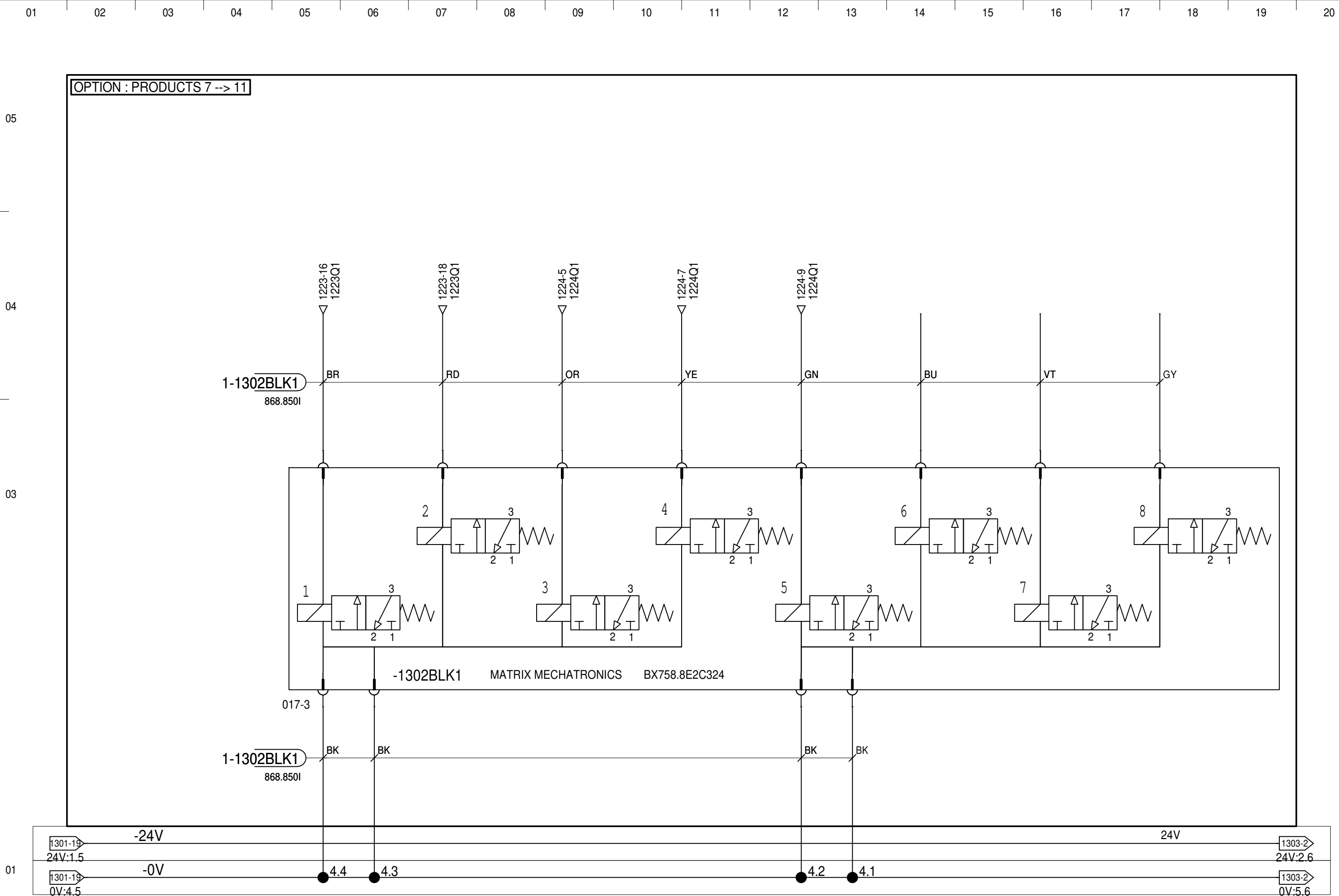
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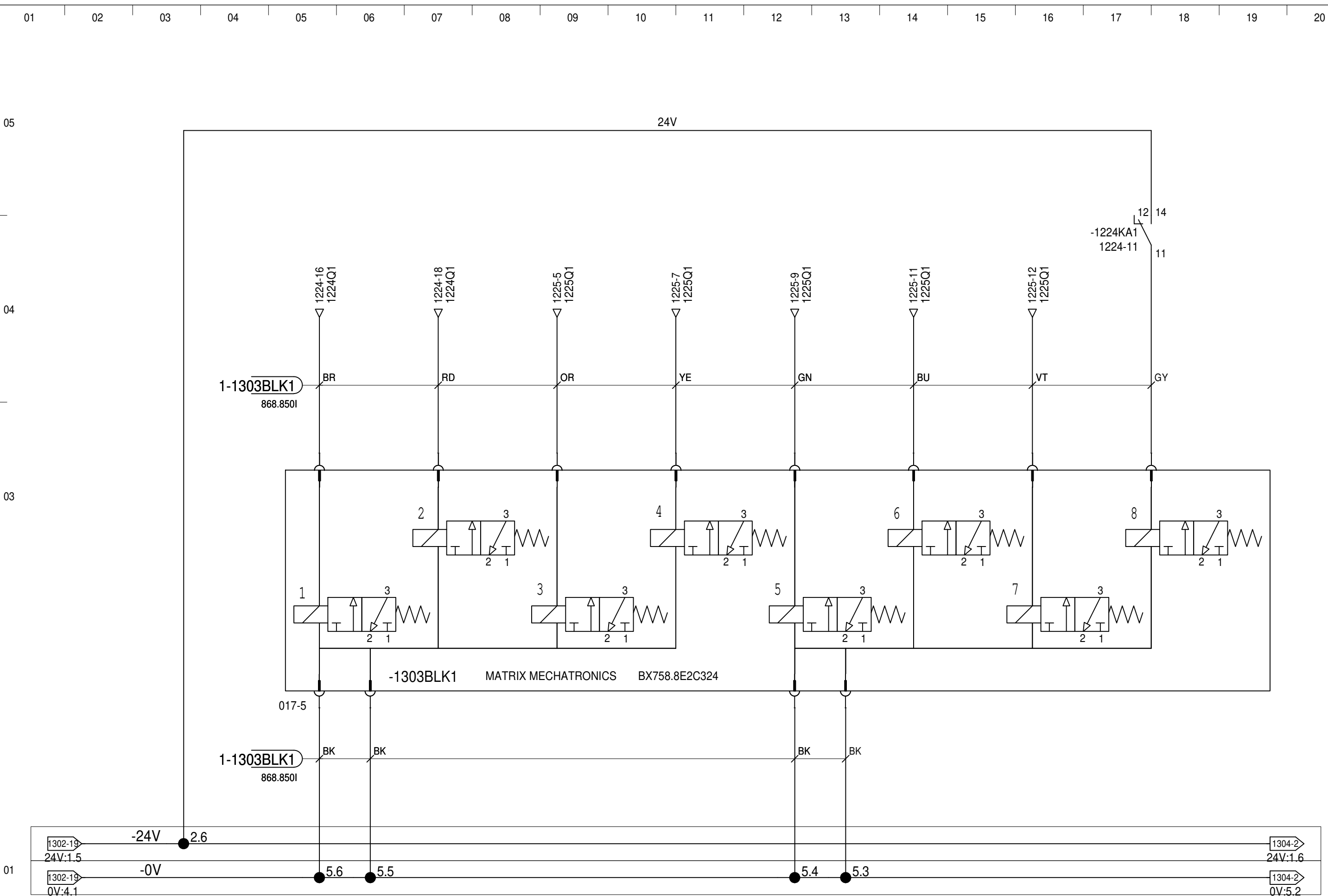
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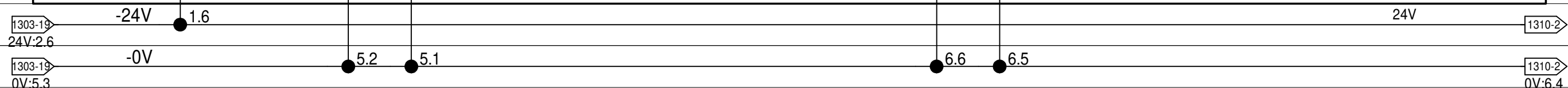
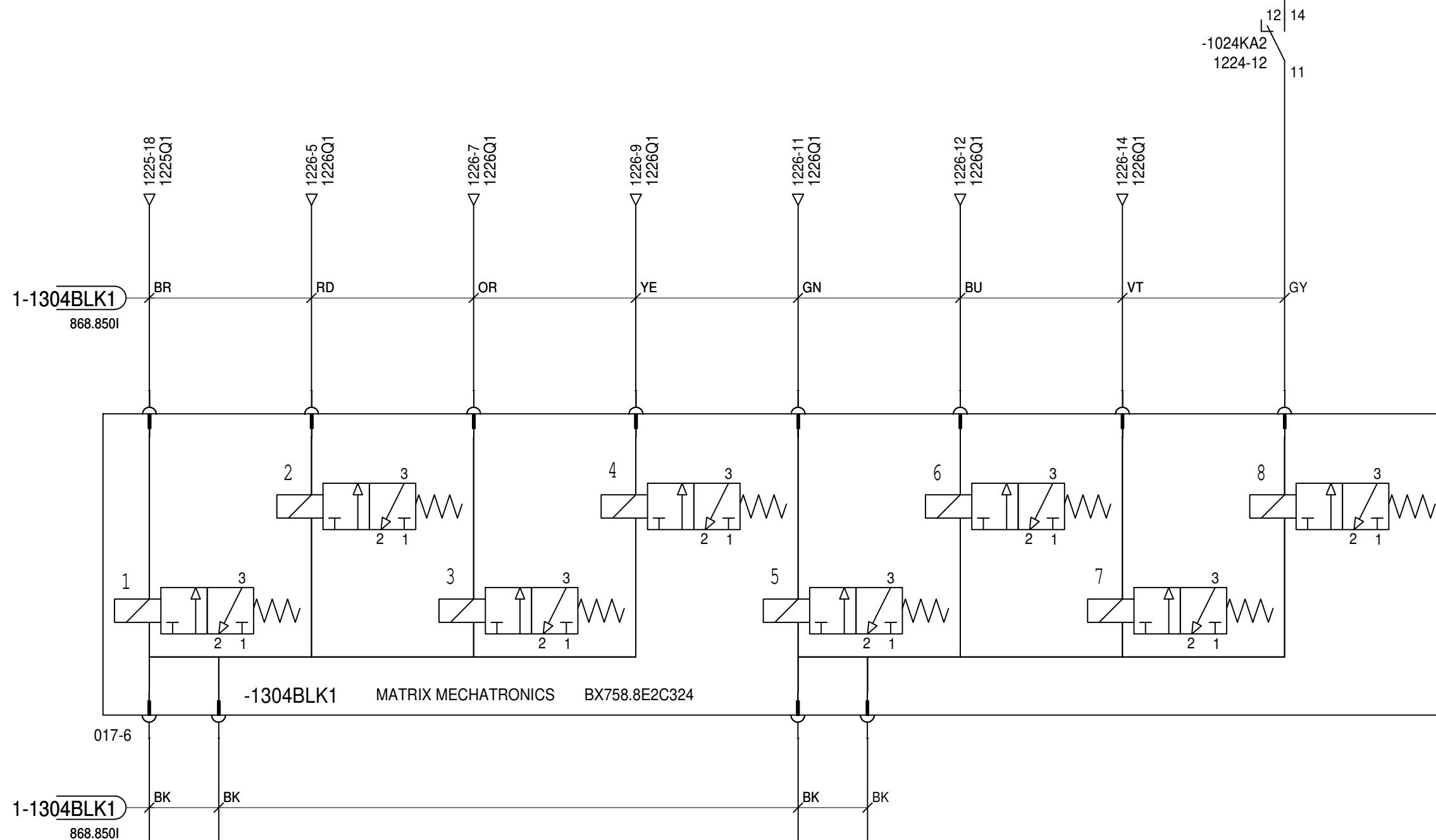


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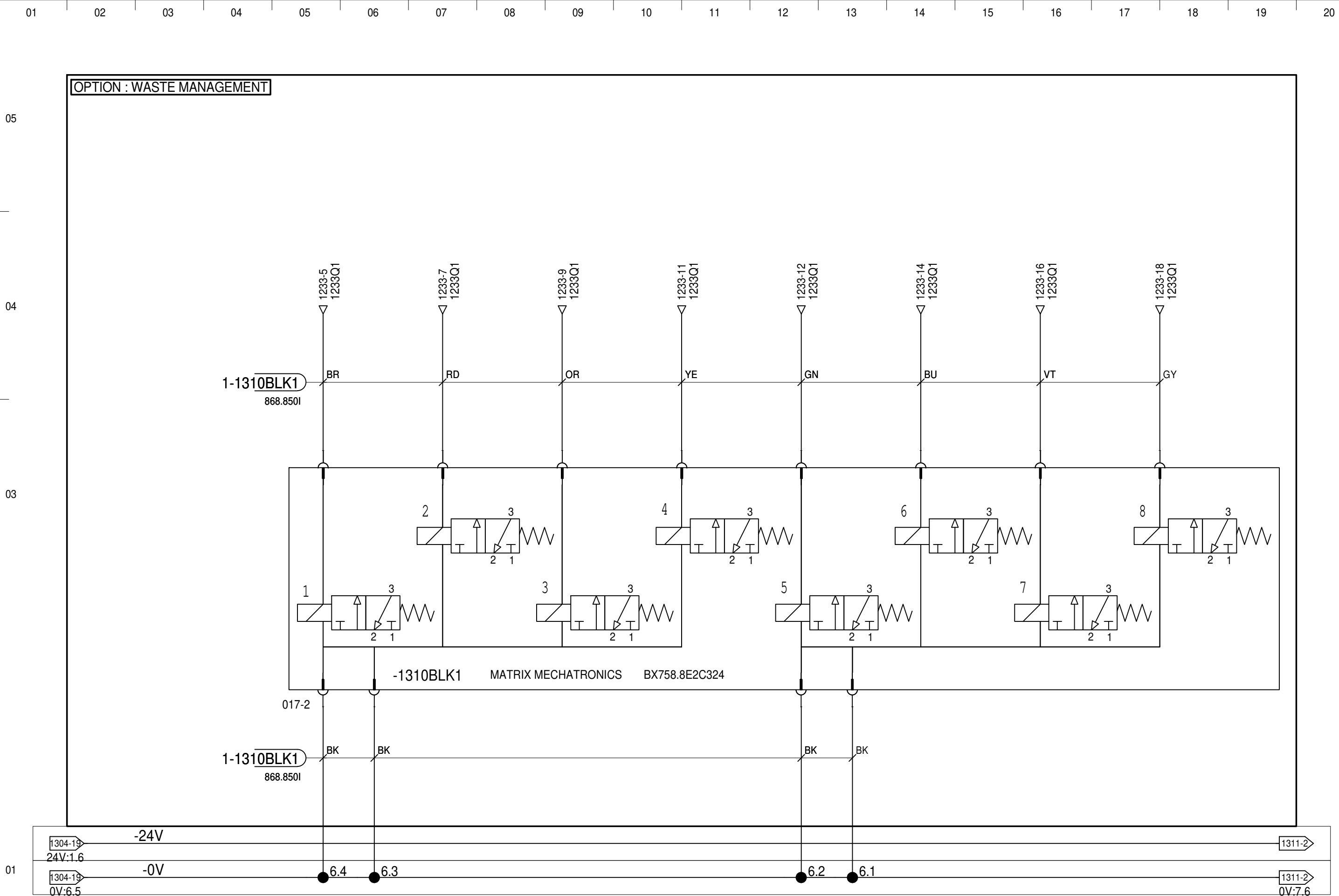
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

OPTION : 2 GUNS + FPR



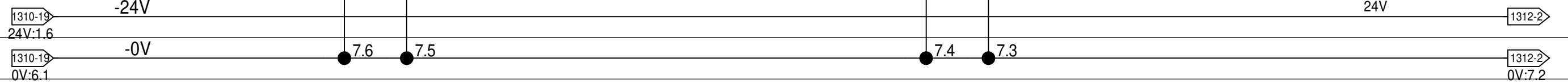
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LOCATION : CYCL_P

1-1311BLK1
868.8501



sames  kremlin

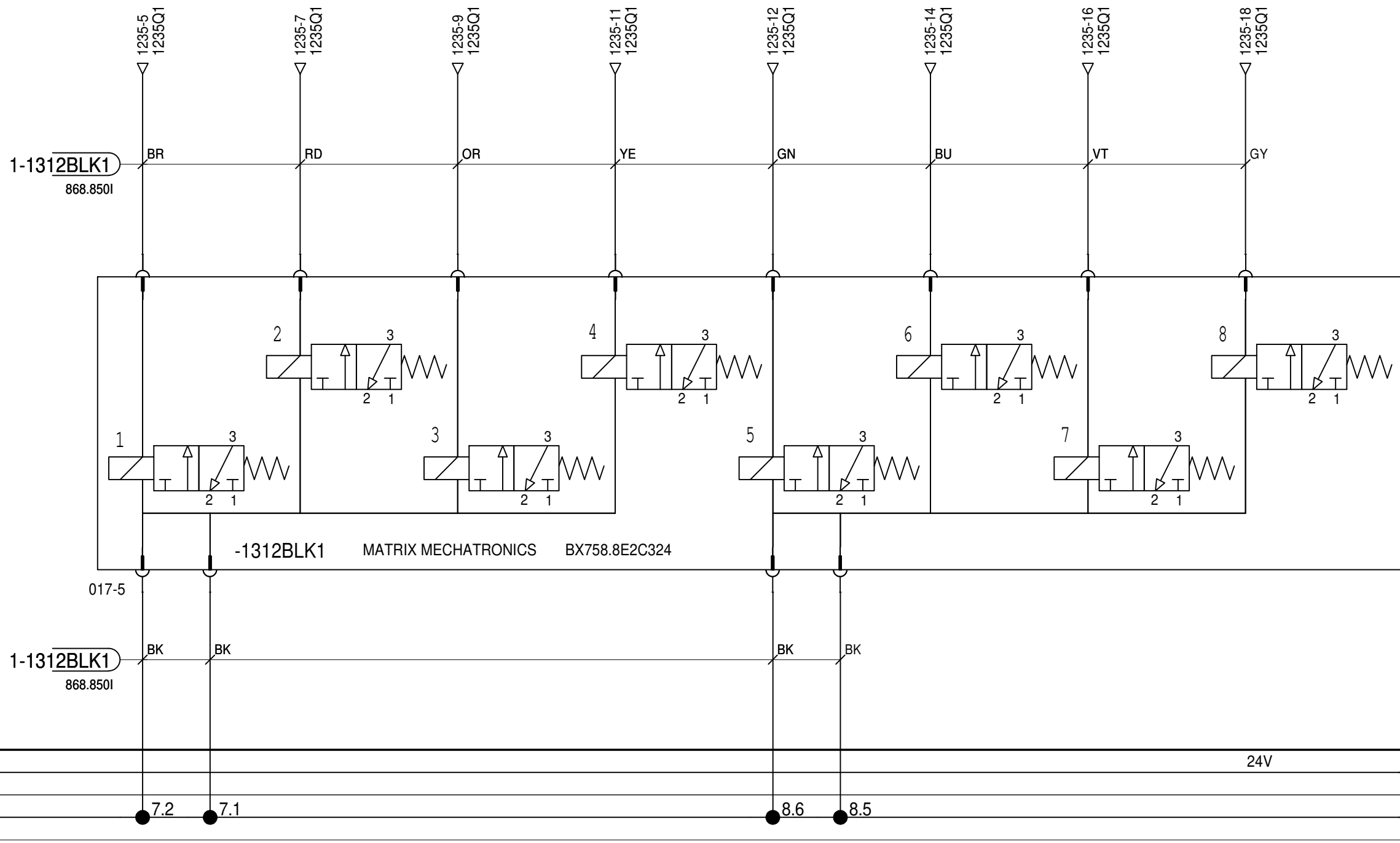
VALVE BLOCKS 6

SHEET
1311
1312 ►

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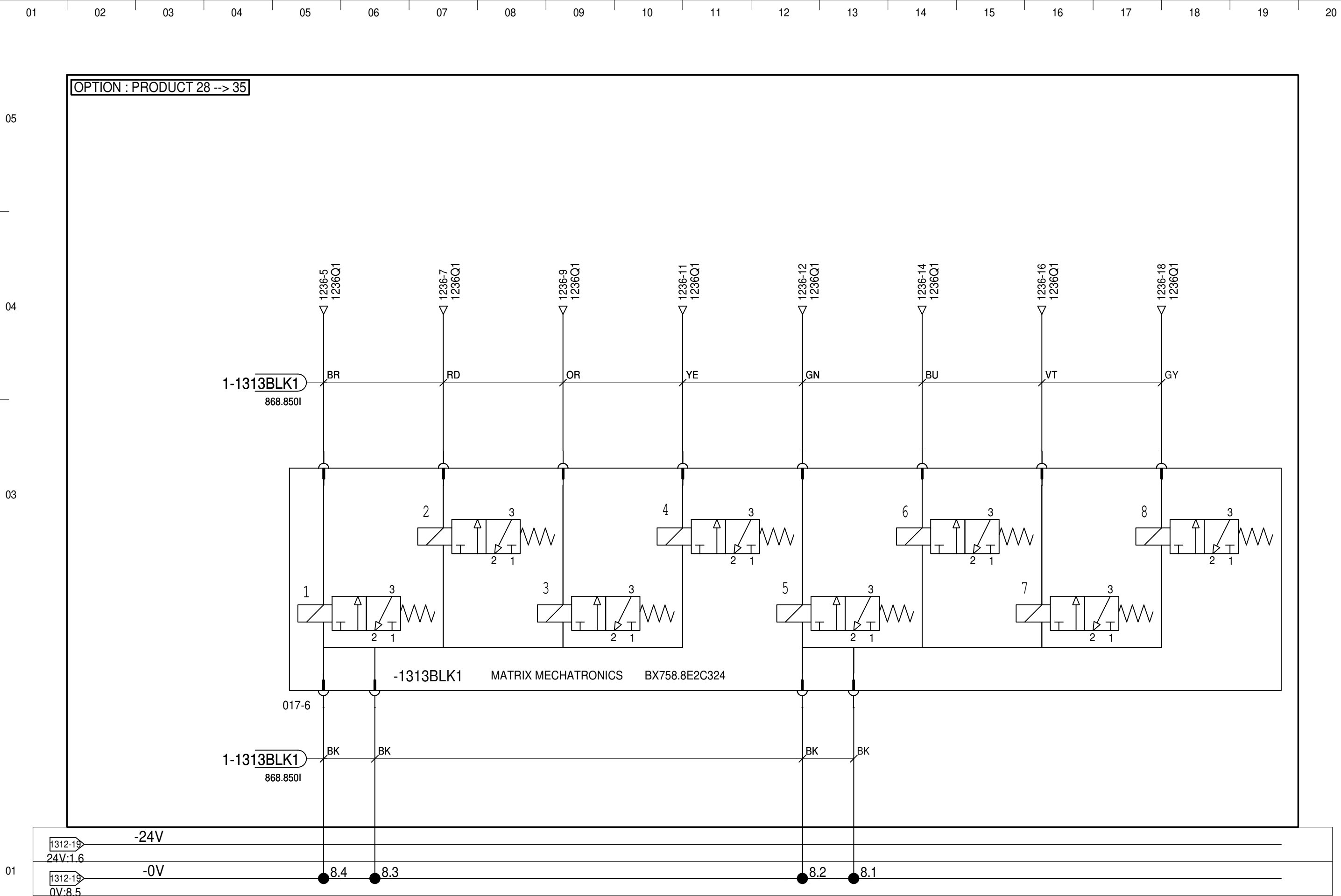
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OPTION : PRODUCT 20 --> 27



LOCATION : CYCL_P

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LOCATION : CYCL_P

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

05

04

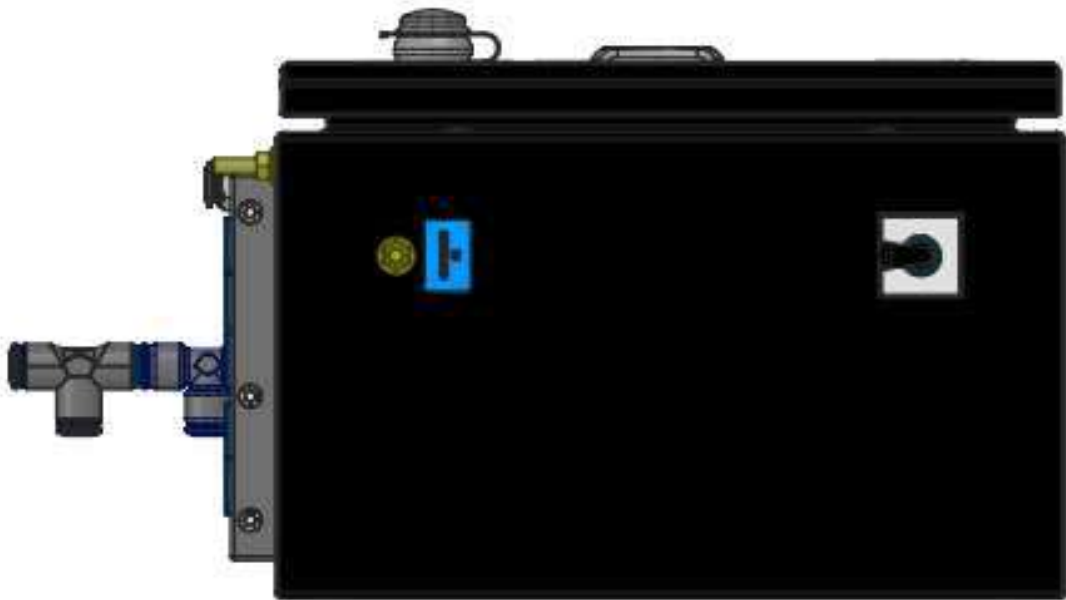
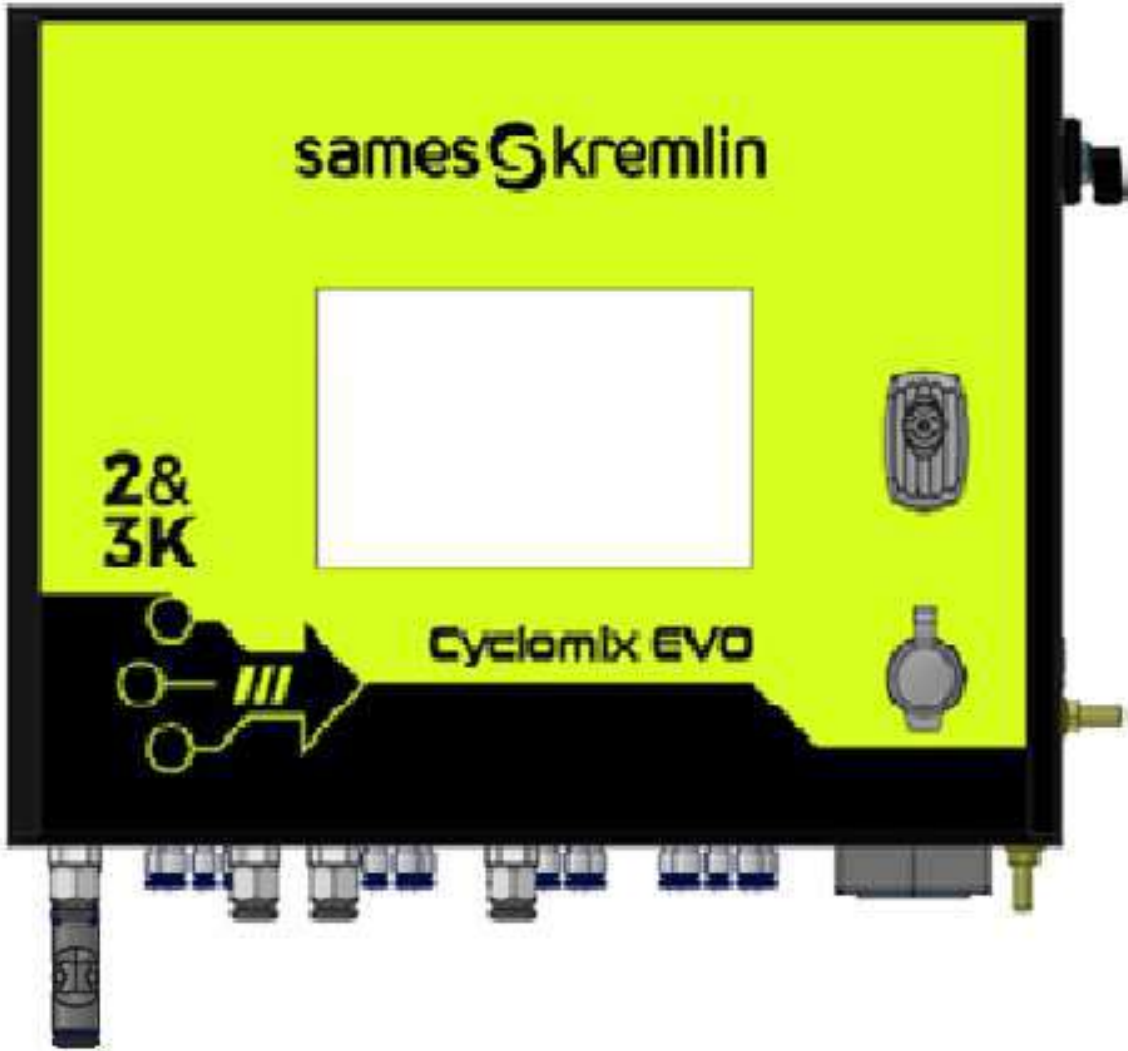
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LAYOUT PANEL

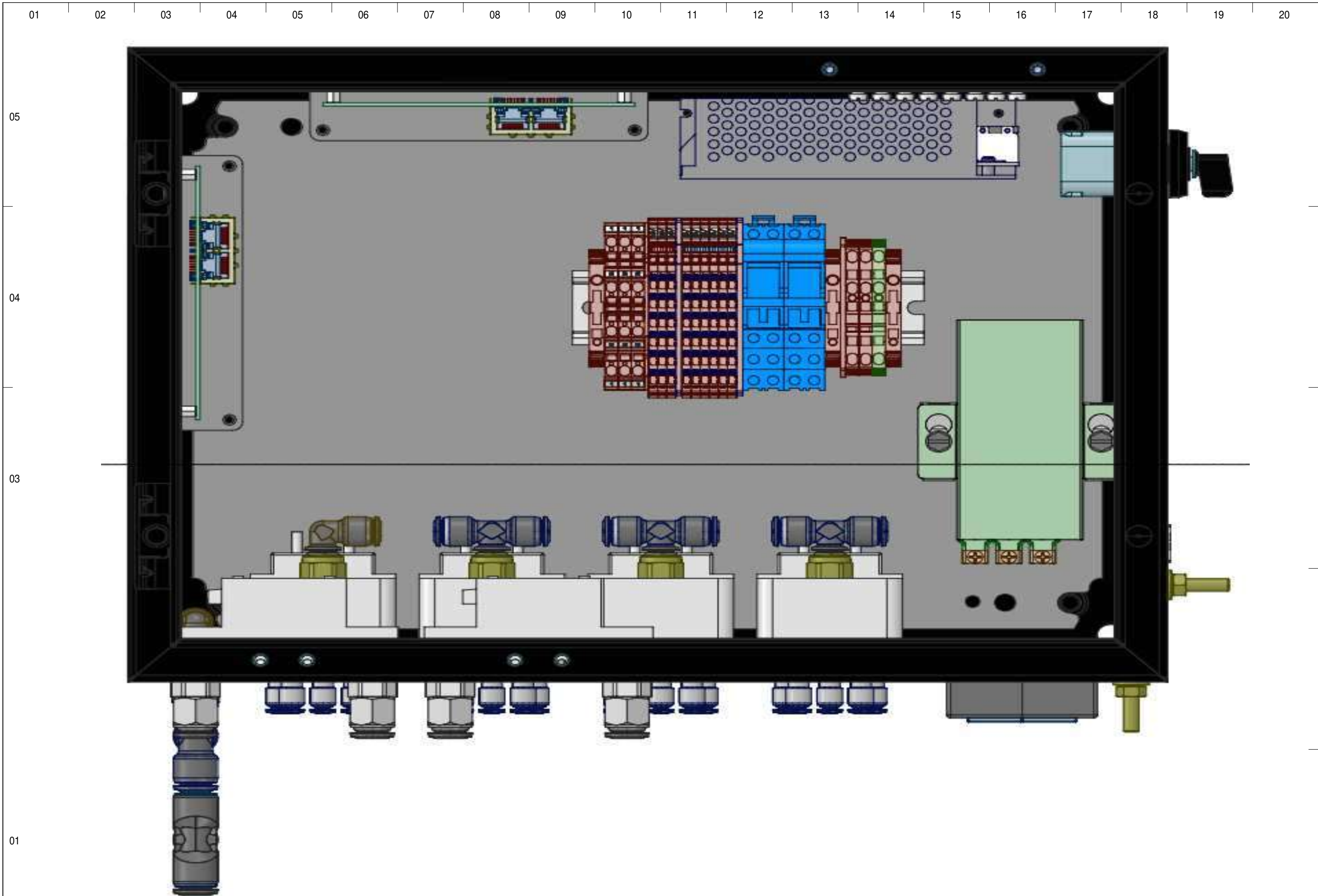
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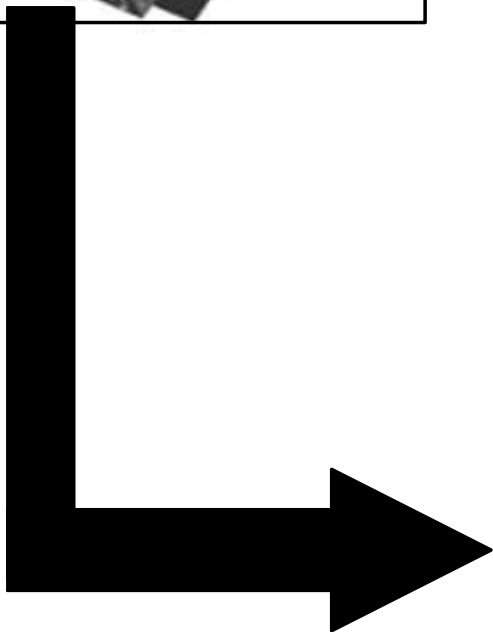
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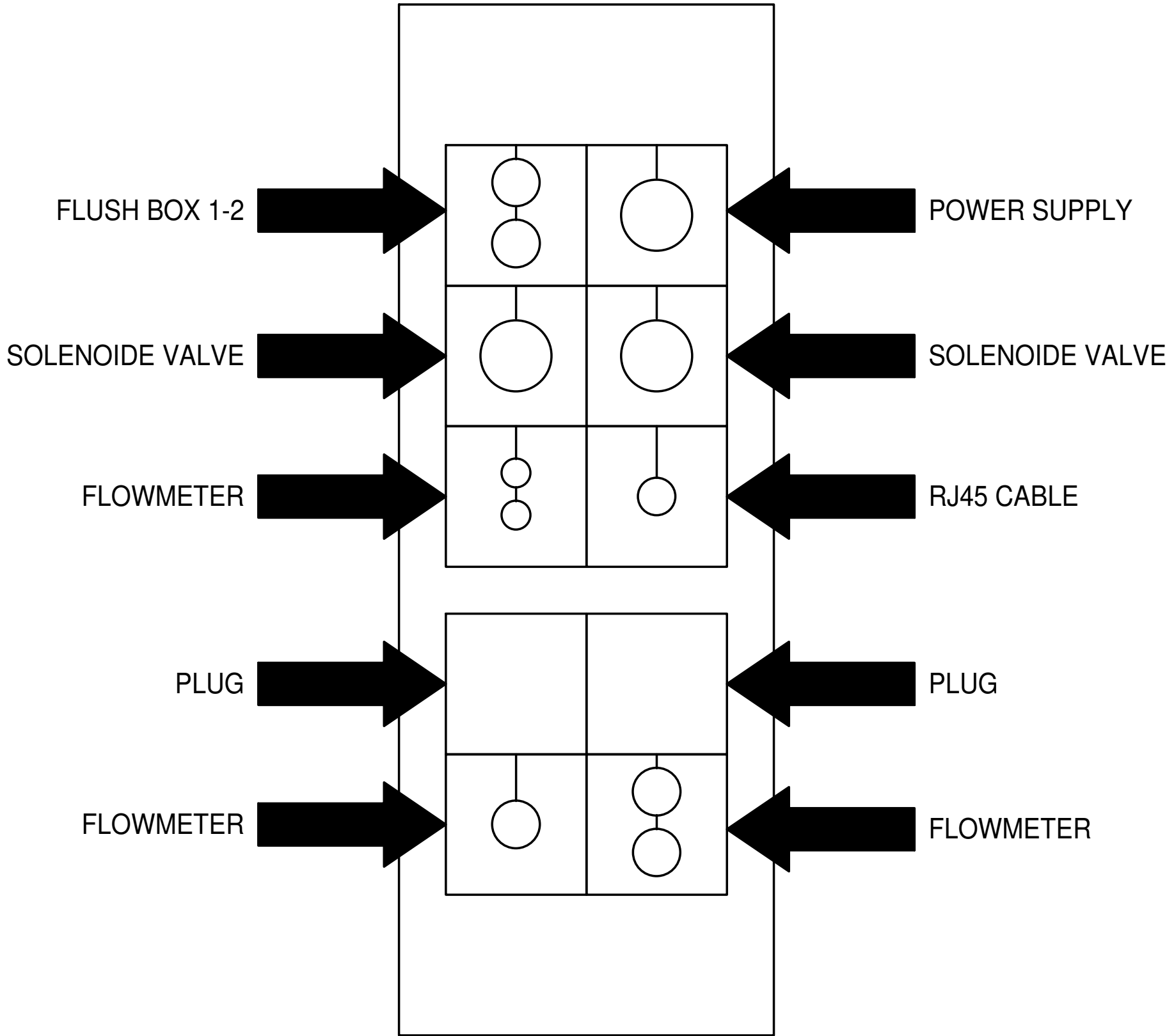
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CABLE OUTLET LOCATION



LOCATION :

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

05

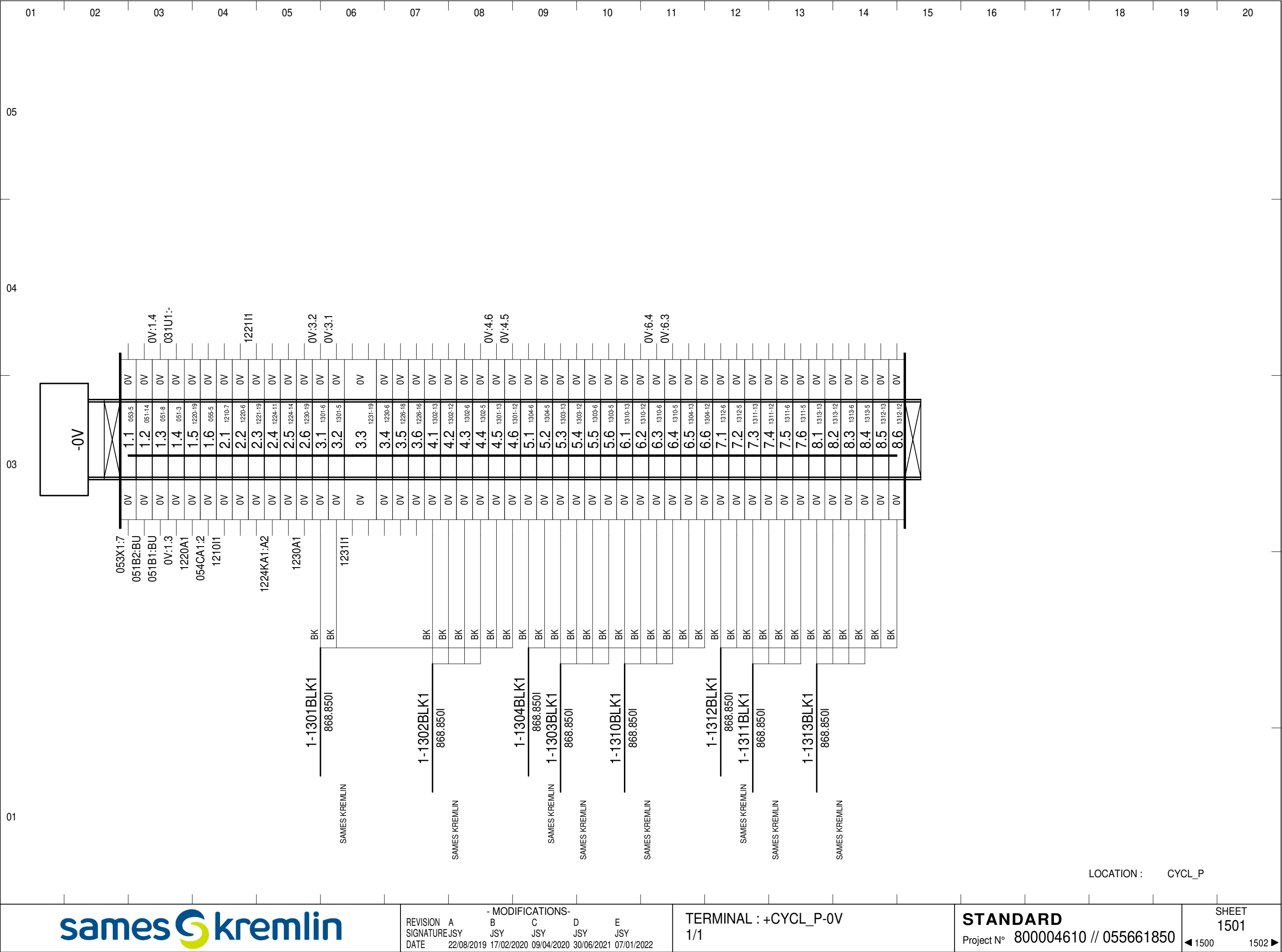
04

03

TERMINAL

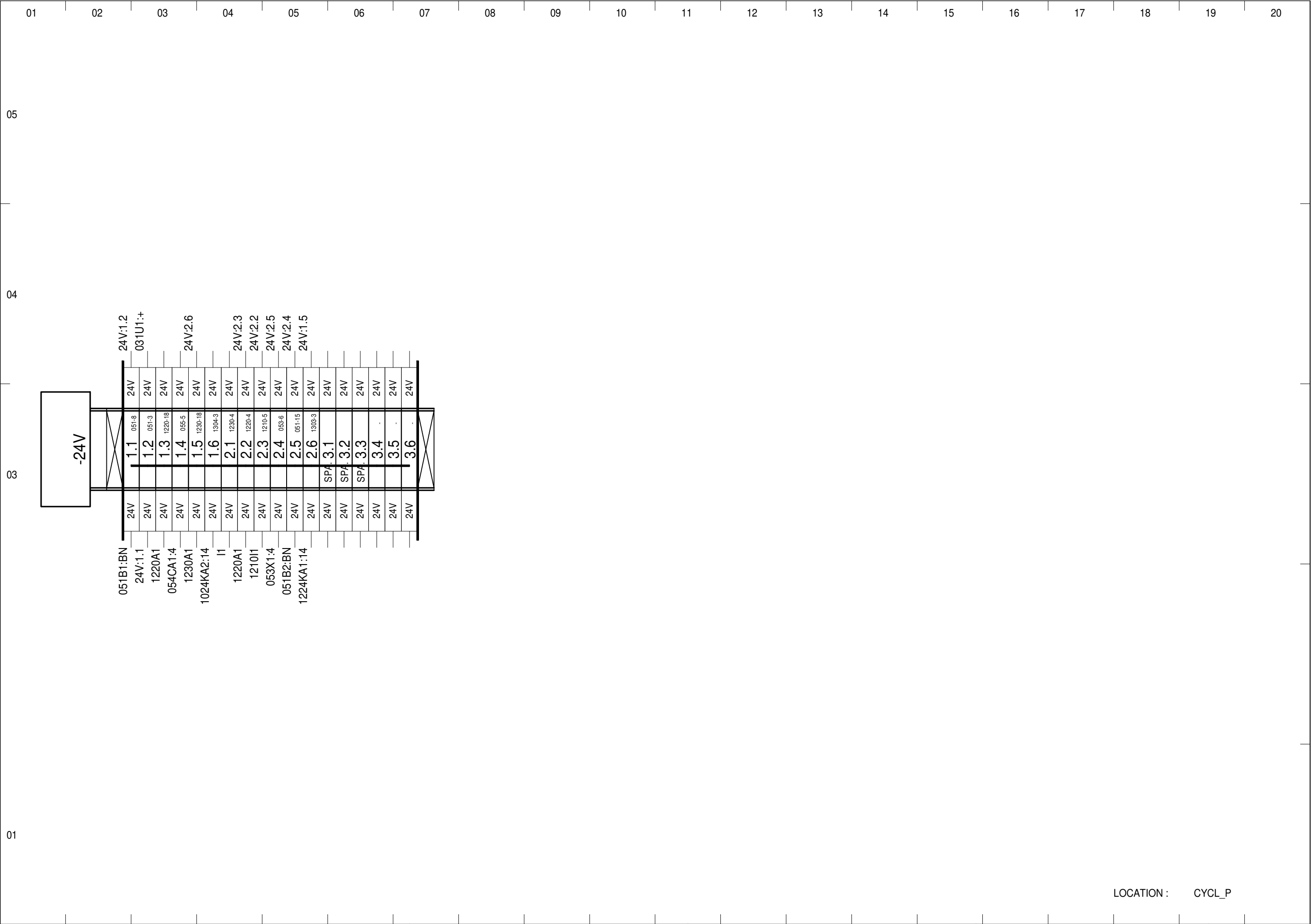
01

LOCATION :



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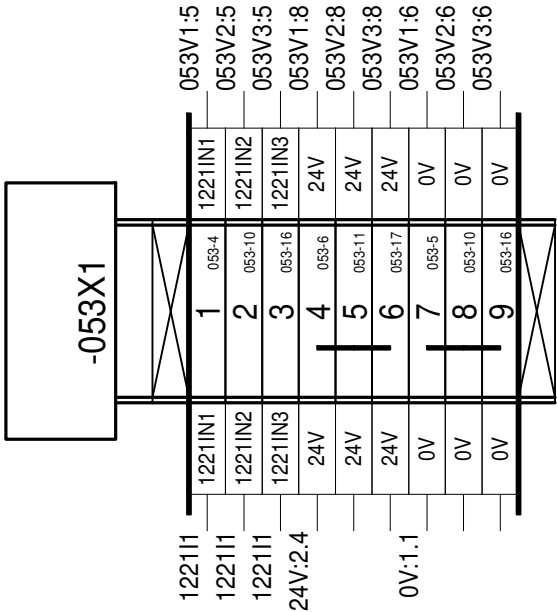


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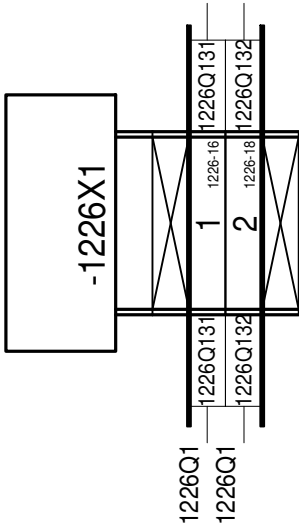
- MODIFICATIONS-					
REVISION	A	B	C	D	E
SIGNATURE	JSY	JSY	JSY	JSY	JSY
DATE	22/08/2019	17/02/2020	09/04/2020	30/06/2021	07/01/2022

TERMINAL : +CYCL_P-1224X1
1/1

STANDARD
Project N° 800004610 // 055661850

SHEET
1506
◀ 1505 1507 ▶

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

05

04

PART LIST

03

01

LOCATION :

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01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
05	LOCAL	REPERE	FOLIO	DESIGNATION ET CARACTERISTIQUES							FABRICANT			REFERENCE					
	CYCL_P	0V		Blocs de jonction de distribution, PUSH IN, 1.5mm², 500 V, 17.5 A, Beige foncé							WEIDMULLER			1988170000					
	CYCL_P	24V		Blocs de jonction de distribution, PUSH IN, 1.5mm², 500 V, 17.5 A, Beige foncé							WEIDMULLER			1988160000					
	PROD_P	B1	017	AMPLIFICATEURS D'IMPULSIONS A FREQUENCE PORTEUSE CONNECTEUR MIL PLUG-IN- VTE 02-K-D-ExC							KEM-KUPPERS			01590228					
	PROD_P	B2	017	AMPLIFICATEURS D'IMPULSIONS A FREQUENCE PORTEUSE CONNECTEUR MIL PLUG-IN- VTE 02-K-D-ExC							KEM-KUPPERS			01590228					
	PROD_P	B3	017	AMPLIFICATEURS D'IMPULSIONS A FREQUENCE PORTEUSE CONNECTEUR MIL PLUG-IN- VTE 02-K-D-ExC							KEM-KUPPERS			01590228					
04	CYCL_P	031Q1	031	INVERSEUR DE SOURCE A COMMANDE MANUELLE 3P 10A							ABB			1SCA126426R1001					
	CYCL_P	031U1	031	ALIMENTATION MONOPHASEE 230VAC/24VDC, 3.2A, 76W							MEAN WELL			RS-75-24					
	CYCL_P	051B1	051	DEBIMETRE DIGITALE AVEC ECRAN INTEGRE G1/4, 24V DC							SMC I. A.			PFMB7 201-C8-B					
	CYCL_P	051B2	051	DEBIMETRE DIGITALE AVEC ECRAN INTEGRE G1/4, 24V DC							SMC I. A.			PFMB7 201-C8-B					
	CYCL_P	0V	053	SERIE A, EQUERRE DE BLOCAGE							WEIDMULLER			1991920000					
	CYCL_P	0V	053	Bloc de jonction d'alimentation, PUSH IN, 6 mm², 500 V, Beige foncé							WEIDMULLER			1988140000					
03	CYCL_P	0V	053	Blocs de jonction de distribution, PUSH IN, 1.5mm², 500 V, 17.5 A, Beige foncé							WEIDMULLER			1988170000					
	CYCL_P	24V	053	SERIE A, EQUERRE DE BLOCAGE							WEIDMULLER			1991920000					
	CYCL_P	24V	053	Bloc de jonction d'alimentation, PUSH IN, 6 mm², 500 V, 41 A, Beige foncé							WEIDMULLER			1989780000					
	CYCL_P	24V	053	Blocs de jonction de distribution, PUSH IN, 1.5mm², 500 V, 17.5 A, Beige foncé							WEIDMULLER			1988160000					
	CYCL_P	053V1	053	BARRIERE DE DIODE ZENER 2 VOIES							PEPPERL+FUCHS			Z787					
	CYCL_P	053V2	053	BARRIERE DE DIODE ZENER 2 VOIES							PEPPERL+FUCHS			Z787					
01	CYCL_P	053V3	053	BARRIERE DE DIODE ZENER 2 VOIES							PEPPERL+FUCHS			Z787					
	PROD_P	054B4	054	AMPLIFICATEURS D'IMPULSIONS A FREQUENCE PORTEUSE CONNECTEUR MIL PLUG-IN- VTE 02-K-D-ExC							KEM-KUPPERS			01590228					
	PROD_P	054B5	054	AMPLIFICATEURS D'IMPULSIONS A FREQUENCE PORTEUSE CONNECTEUR MIL PLUG-IN- VTE 02-K-D-ExC							KEM-KUPPERS			01590228					
	PROD_P	054B6	054	AMPLIFICATEURS D'IMPULSIONS A FREQUENCE PORTEUSE CONNECTEUR MIL PLUG-IN- VTE 02-K-D-ExC							KEM-KUPPERS			01590228					
	PROD_P	054B1	055	AMPLIFICATEUR À FIBRE OPTIQUE							KEM-KUPPERS			FOP60/XX-XX-SK					
	PROD_P	054B2	055	AMPLIFICATEUR À FIBRE OPTIQUE							KEM-KUPPERS			FOP60/XX-XX-SK					
01	PROD_P	054B3	055	AMPLIFICATEUR À FIBRE OPTIQUE							KEM-KUPPERS			FOP60/XX-XX-SK					
	CYCL_P	054CA1	055	AMPLIFICATEUR ET RECEPTEUR A FIBRE OPTIQUE							KEM-KUPPERS			OPTV-02 / X0					
	CYCL_P	056A1	056	TRANSMETTEUR DEBIMETRE MASSIQUE							RHEONIK			RHE42					
	CYCL_P	056A2	056	TRANSMETTEUR DEBIMETRE MASSIQUE							RHEONIK			RHE42					
	CYCL_P	056A3	056	TRANSMETTEUR DEBIMETRE MASSIQUE							RHEONIK			RHE42					
	CYCL_P	056B1	056	DETECTEUR DEBIT MASSIQUE							RHEONIK			RHM					
01	CYCL_P	056B2	056	DETECTEUR DEBIT MASSIQUE							RHEONIK			RHM					
	CYCL_P	056B3	056	DETECTEUR DEBIT MASSIQUE							RHEONIK			RHM					
	CYCL_P	1210A2	1210	ECRAN LCD 7							AMPIRE CO			AM800480R3TMQW-TACH					
	CYCL_P	1224KA1	1224	MINI RELAIS 24V DC 2INV AgNi 8A var.0000 PAS=5mm							FINDER			405290240000					
	CYCL_P	1224KA1	1224	SUPPORT AVEC BORNES A CAGES 2INV 10A POUR SERIE 86							FINDER			9505					
LOCATION :																			

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01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
LOCAL		REPERE	FOLIO	DESIGNATION ET CARACTERISTIQUES						FABRICANT			REFERENCE						
05	CYCL_P	1224KA2	1224	MINI RELAIS 24V DC 2INV AgNi 8A var.0000 PAS=5mm						FINDER			405290240000						
	CYCL_P	1224KA2	1224	SUPPORT AVEC BORNES A CAGES 2INV 10A POUR SERIE 86						FINDER			9505						
	CYCL_P	1301BLK1	1301	BLOC 8 ELECTROVANNES COMPACT						MATRIX MECHATRONICS			BX758.8E2C324						
	CYCL_P	1302BLK1	1302	BLOC 8 ELECTROVANNES COMPACT						MATRIX MECHATRONICS			BX758.8E2C324						
	CYCL_P	1303BLK1	1303	BLOC 8 ELECTROVANNES COMPACT						MATRIX MECHATRONICS			BX758.8E2C324						
04	CYCL_P	1304BLK1	1304	BLOC 8 ELECTROVANNES COMPACT						MATRIX MECHATRONICS			BX758.8E2C324						
	CYCL_P	1310BLK1	1310	BLOC 8 ELECTROVANNES COMPACT						MATRIX MECHATRONICS			BX758.8E2C324						
	CYCL_P	1311BLK1	1311	BLOC 8 ELECTROVANNES COMPACT						MATRIX MECHATRONICS			BX758.8E2C324						
	CYCL_P	1312BLK1	1312	BLOC 8 ELECTROVANNES COMPACT						MATRIX MECHATRONICS			BX758.8E2C324						
	CYCL_P	1313BLK1	1313	BLOC 8 ELECTROVANNES COMPACT						MATRIX MECHATRONICS			BX758.8E2C324						
03																			
01																			

LOCATION :



- MODIFICATIONS-					
REVISION A	B	C	D	E	
SIGNATURE JSY	JSY	JSY	JSY	JSY	
DATE 22/08/2019	17/02/2020	09/04/2020	30/06/2021	07/01/2022	

PARTS LIST
LOCATION : 1224 - 1313

STANDARD
Project N° 800004610 // 055661850

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

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LABELS

LOCATION :

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0102030405060708091011121314151617181920																								
FIRM LABEL CE									NOTE						SIZE (mm)	COLOR		LOCATION LABEL						
																BLACKGROUND	ENGRAVING							
SAMES 13 Chemin de Malacher 38240 Meylan-France Designation: Electrical Drawing n° / revision :# Fluid Drawing n° / revision :# Process Panel SK order N° : CYCLOMIX EVO 80000XXXX_X 80000XXXX_X Construction year : Voltage/Frequency : Apparent power : Breaking capacity : 20XX 240V PH+N+PE 50Hz 800VA 20 kA Pressure : 7bars +/-0.5 UK CA CE 									SEE NUMBER AND REVISION DIAGRAM SEE NUMBER AND REVISION DIGRAM CURRENT YEAR						100x50	WHITE	BLACK							
03																								
01																								
LOCATION : CYCL_P																								
sameskremlin										REVISION A C F SIGNATURE JSY JSY JSY DATE 22/08/2019 09/04/2020 03/03/2023					FIRM LABEL					STANDARD Project N° 800004610 // 055661850				SHEET 1701 ◀17001

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01		02		03		04		05		06		07		08		09		10		11		12		13		14		15		16		17		18		19		20	
LABEL SI																NOTE								SIZE (mm)	COLOR		LOCATION LABEL												
																									BLACKGROUND	ENGRAVING													
05																1 LABEL BY BARRIER Z787 GEAR FLOWMETER								50x40	WHITE	BLACK													
04																1 LABEL BY BARRIER Z787 MASS FLOWMETER								50x40	WHITE	BLACK													
03																																							
01																																							
LABELS MANO REGULATOR																																							
FLOWMETER A																								60x15	WHITE	BLACK													
FLOWMETER B																																							
FLOWMETER C																																							
DEBISTAT G1																																							
DEBISTAT G2																																							
INJECTION B																																							
INJECTION C																																							

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0102030405060708091011121314151617181920

05

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LIST OF THE CABLE

03

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LOCATION :

LOCATION :

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

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EQUIPOTENTIAL DIAGRAM

LOCATION :

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