



TESTED VALIDATED

DOCUMENTED ARCHITECTURE : Compact / CANopen / HMI Controller SCU

PLANT DESIGNATION : TVDA

DRAWING NUMBER : EIO0000001818.00

DEPARTMENT : Industry Business

PRODUCT DOMAIN : TVDA

CAE SYSTEM : ePlan P8 V 2.4.4

RELATED PRODUCTS : Magelis HMI SCU; OTB I/O Island; Harmony Biometric Switch; Preventa; Altivar 32; Lexium 28; Lexium 32i; TeSys U; iEM3150

INCOMING SUPPLY : 400V 3~, N, PE, 50Hz
 FEEDER : Oelflex Classic 100 5G2,5mm²
 POWER INPUT : 1,75 kW
 CONTROL VOLTAGE : 24V dc
 MANUFACTURING DATE : 2015
 CABINET TYPE : Spacial, RAL 7035
 CHECKED TO : IEC 60364

RESPONSIBLE FOR PROJECT : Machine Solutions

CREATOR : TVDA

DATE CHANGED : 2015/03/24

REVISION DATE :

VERSION INDEX

0

This document is based on European standards and is not valid for use in U.S.A.

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	2	CANopen topology	2015/02/17	HKR
	3	Modbus topology	2015/02/17	HKR

General project information

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Date	2014/01/09	Compact / CANopen / HMI Controller SCU		Disclaimer	=COMM	+INFO		
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General project information

Equipment Grounding

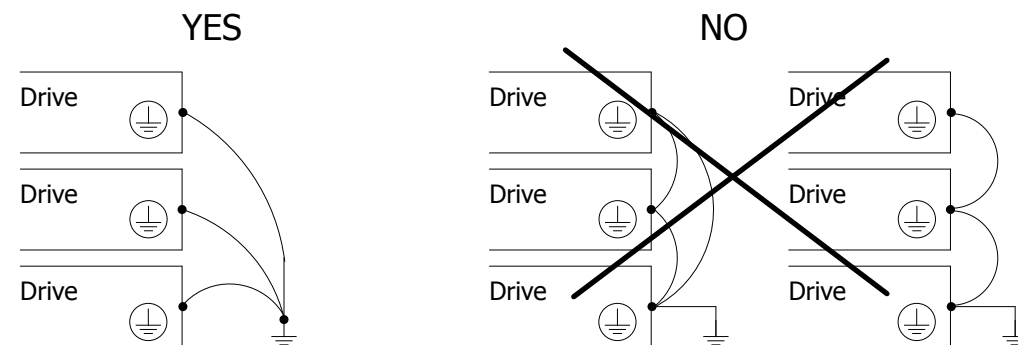
Secure the ground connection of the devices to the protective ground (PE) of your panel at a single point and in conformance with local and national electrical code requirements. Depending on these local and national code requirements, a minimum wire section (gauge) of 10 mm² (6 AWG) may be required to meet standards limiting leakage current.

⚡ ⚠ DANGER

ELECTRIC SHOCK

- Properly ground your panel and equipment before applying power.
- Always comply with local wiring requirements regarding grounding cables and grounding cable shields.
- Ground devices independently at a single point.

Failure to follow these instructions will result in death or serious injury.



- Ensure that the resistance of ground is one ohm or less.
- When grounding several drives, you must connect each one directly, as shown in the figure to the left.
- Do not loop the ground cables or connect them in series.

General project information

 **DANGER**

LOSS OF CONTROL, ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- The designer of the machine and its control system must consider their potential failure modes and provide a means to achieve a safe state during and after a failure by installing and thoroughly testing security control devices.
- Power line and output circuits must be wired and fused in compliance with local and national regulatory requirements for the rated current and voltage of the particular equipment.
- The designer of the machine and its control system is responsible for compliance with all international and national electrical standards in force concerning protective grounding of all equipment.


Failure to follow these instructions will result in death or serious injury.

 **WARNING**

REGULATORY INCOMPATIBILITY

Be sure that all equipment applied and systems designed comply with all applicable local, regional, and national regulations and standards.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

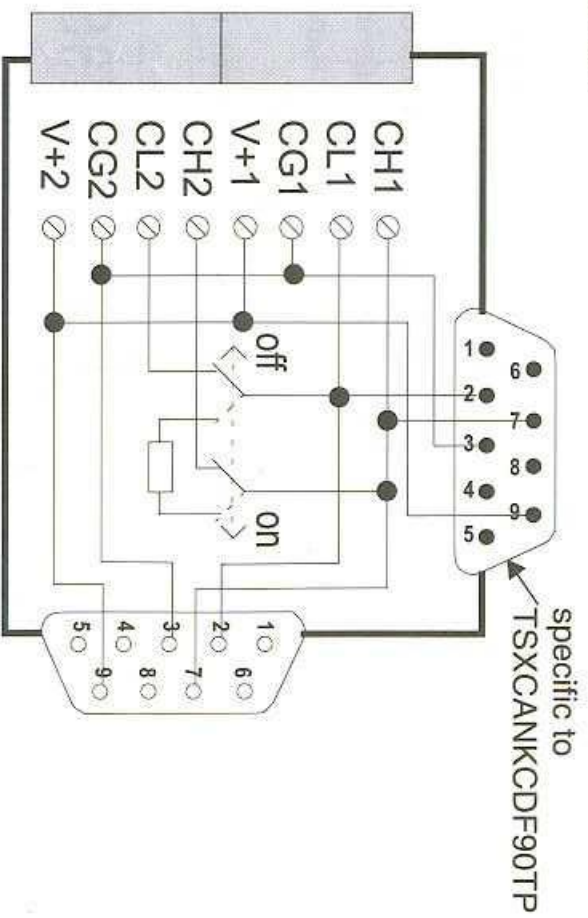
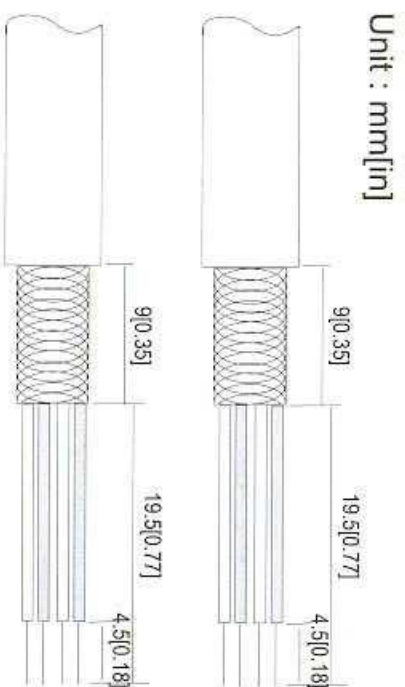
			Date	2014/01/09	Compact / CANopen / HMI Controller SCU			Safety Information 2	=COMM		+INFO
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Wiring Definitions		
Main circuit	Black	1,5/2,5mm ²
Neutral wire	Light-blue	1,5/2,5mm ²
Control circuit 230V ac	Red	0,75-2,5mm ²
Control circuit 120V ac	Red	0,75-2,5mm ²
Control circuit 24V dc	Dark-blue	0,75-2,5mm ²
Control circuit 0V dc	Dark-blue/white	0,75-2,5mm ²
Control circuit ±15V dc	Violet	0,75mm ²
External voltage	Orange	0,75-2,5mm ²

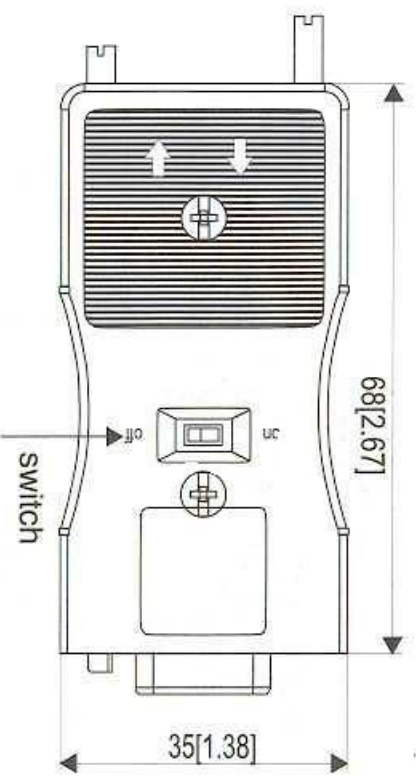
Cable glands: If shielded cable use metal!

Plugdefinitions	Terminaldefinitions
+MC-XSETH01 = RJ45/M12 adapter - Ethernet	+MC-XD01 = Power Supply 400V ac +MC-X01 = Power Supply 24V dc Distribution intern +MC-XPE01 = PE Terminals

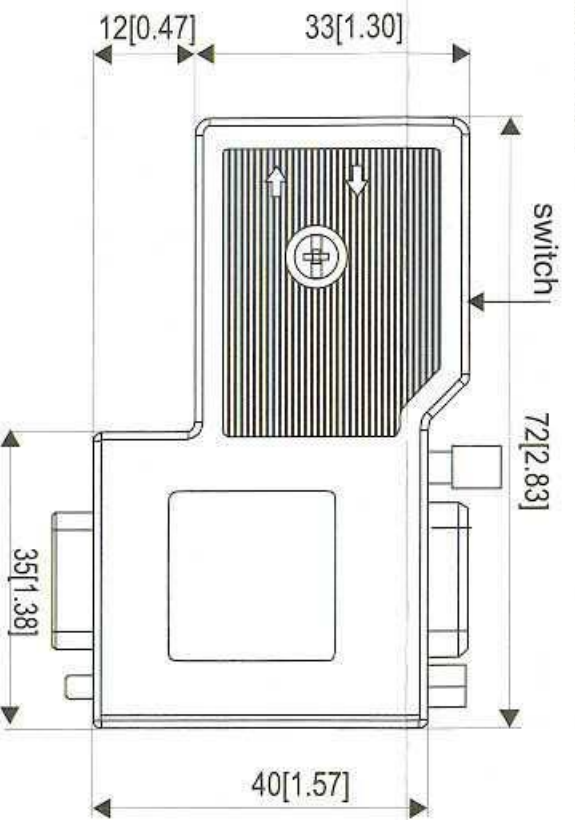
TSXCANKCDF90T, TSXCANKCDF180T, TSXCANKCDF90TP



TSXCANKCDF180T



TSXCANKCDF90T, TSXCANKCDF90TP



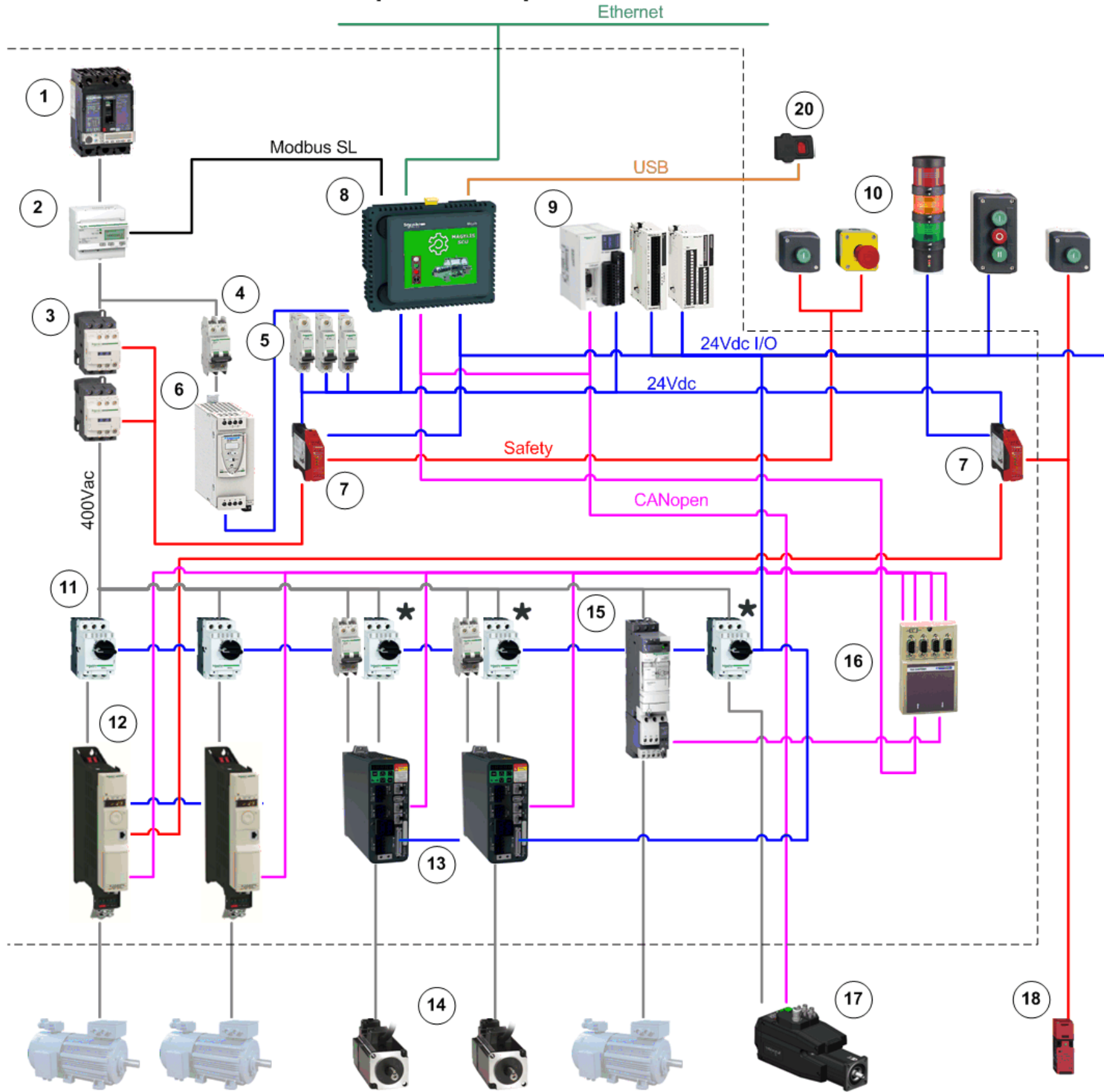
If you need to connect a standard Schneider CANopen wire (TSXCANCAxxx, TSXCANCBxxx or TSXCANCDxxx), you must follow the associations described in the table below (signal, wire color).

Berücksichtigen Sie beim Anschluss eines CANopen-Standardkabels von Schneider (TSXCANCAxxx, TSXCANCBxxx oder TSXCANCDxxx) die in der nachfolgenden Tabelle aufgeführten Zuordnungen (Signal, Drahtfarbe).
 Si vous devez connecter un câble CANopen standard Schneider (TSXCANCAxxx, TSXCANCBxxx or TSXCANCDxxx), vous devez suivre les associations (signal, couleur de fil) décrites dans le tableau ci-dessous.
 Se si deve collegare un cavo CANopen standard Schneider (TSXCANCAxxx, TSXCANCBxxx o TSXCANCDxxx), occorre seguire le associazioni (segnale, colore del filo) descritte nella tabella qui di seguito.
 Si va a conectar un cable CANopen estándar Schneider (TSXCANCAxxx, TSXCANCBxxx o TSXCANCDxxx), debe tener en cuenta las asociaciones (señal, color del alambre) descritas en la tabla que aparece a continuación.

Signal	Color	Farbe	Couleur	Colore	Color
CAN_GND	Black	Schwarze	Noir	Nero	Negro
CAN_H	White	Weiß	Blanc	Bianco	Bianco
CAN_L	Blue	Blau	Bleu	Blu	Azul
CAN_V+	Red	Rot	Rouge	Rosso	Rojo

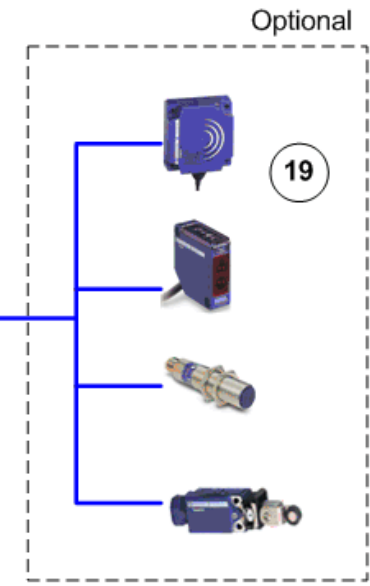


Compact / CANopen / HMI Controller SCU



- 1 PowerPact circuit breaker
- 2 Energy Meter iEM3150
- 3 TeSysD Contactor
- 4 Multi9 Circuit-breaker C60 UL 489
- 5 Multi9 Circuit-breaker C60 UL 1077
- 6 Phaseo Power-Supply 24Vdc
- 7 Preventa Safety Module
- 8 Magelis SCU HMI Controller
- 9 OTB - distributed IO Island
- 10 Harmony signaling/control devices
- 11 TeSys Motor circuit-breaker GV2P
- 12 Altivar 32
- 13 Lexium 28A
- 14 Lexium BQ servo motor
- 15 TeSysU Motor-Starter-Unit
- 16 CANopen tap
- 17 Lexium 32i
- 18 Preventa Safety door guard
- 19 OsiSense - Sensors & switches
- 20 Magelis Biometric switch (USB)

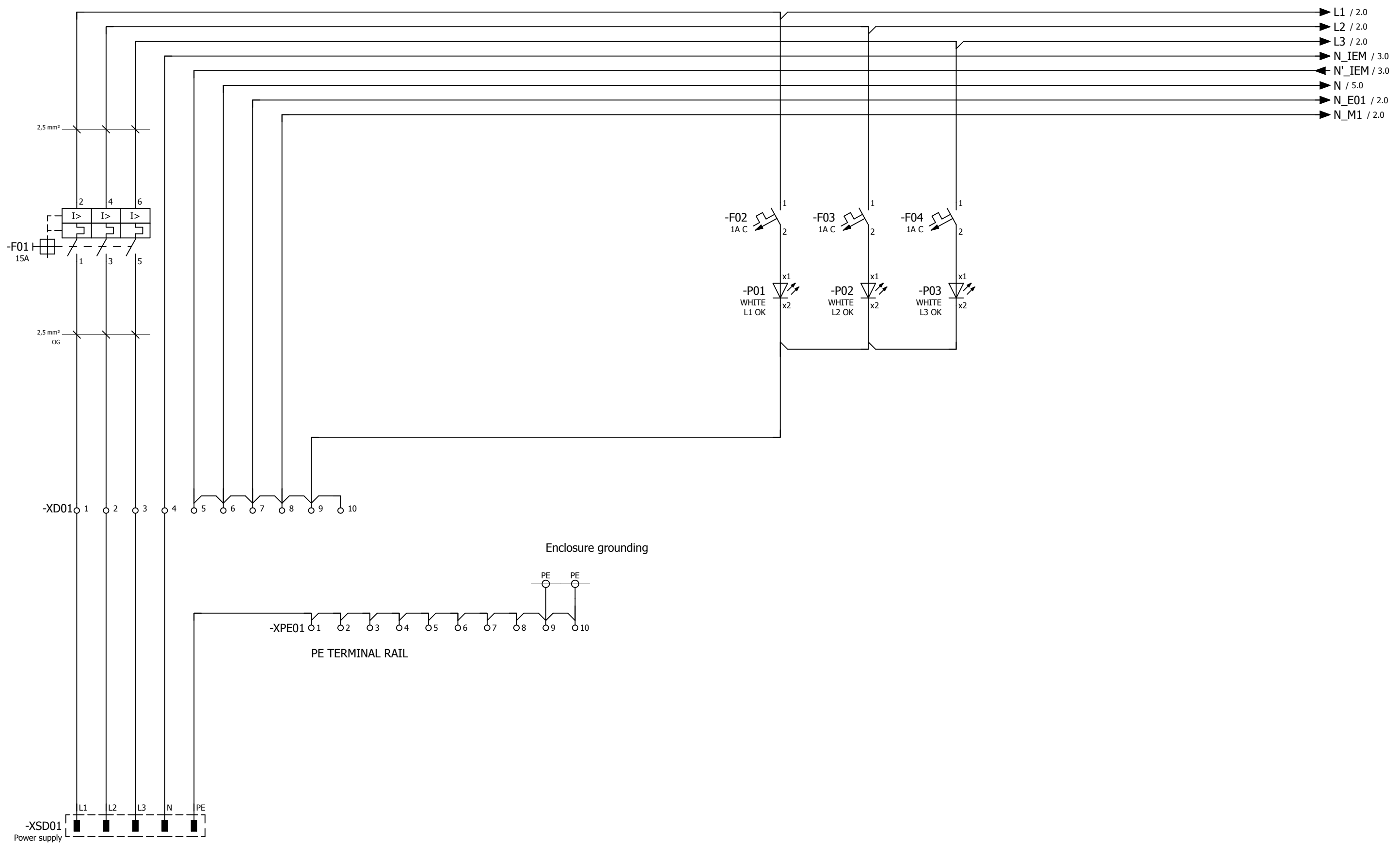
★ Conformance to standard UL 508C requires that fuses as per UL248 or circuit breakers as per UL489 are used for the branch circuit protection in place of the motor circuit breakers depicted in front of the Lexium servo drives.



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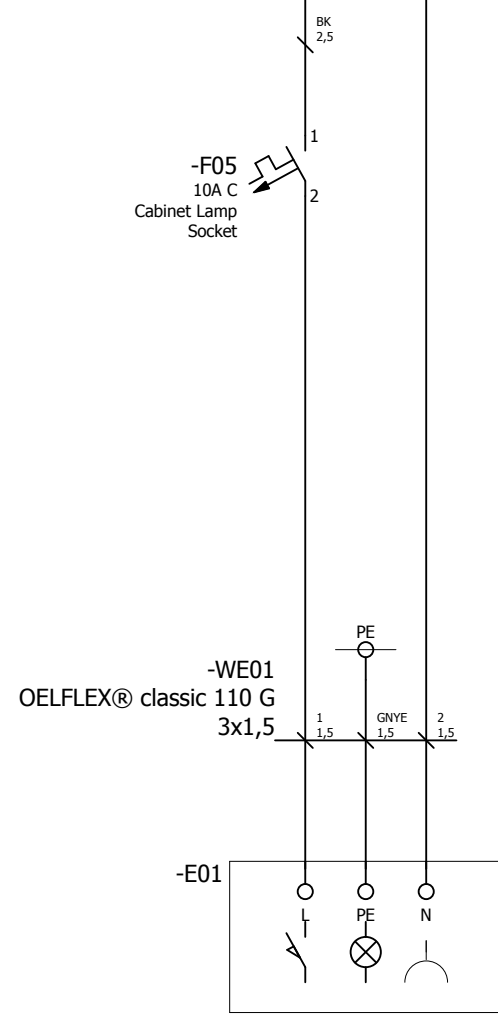
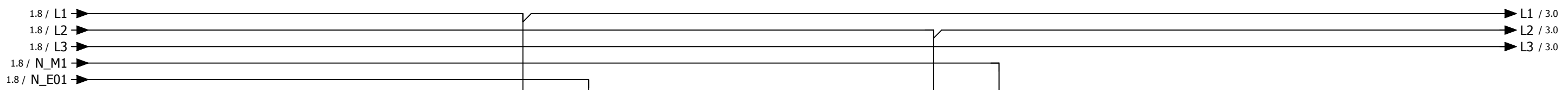


Note: In feed power supply must be adapted accordingly to the power consumption of the final plant.

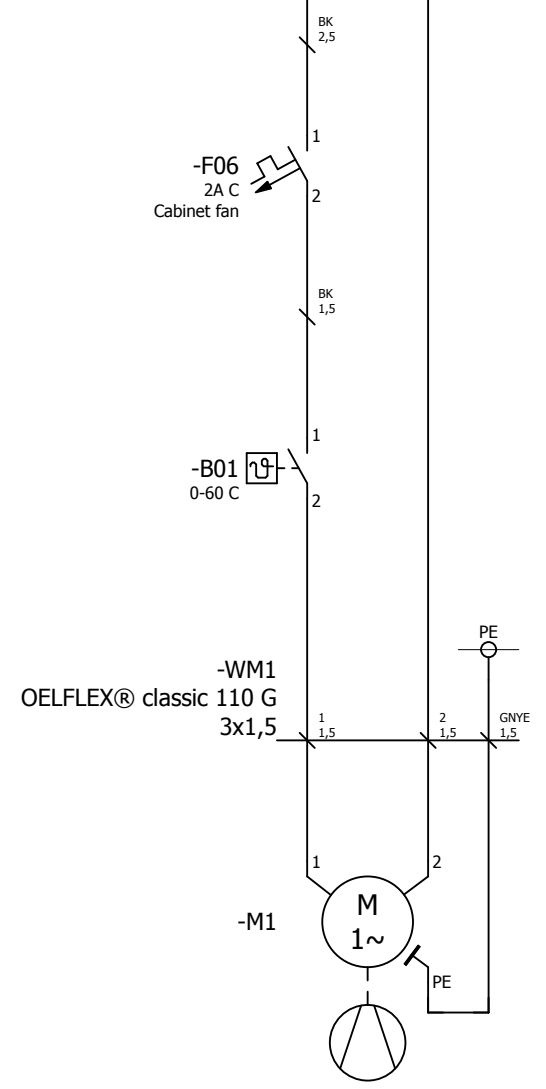
Power supply

Phase control

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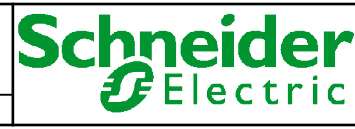


Cabinet Lamp, Socket



Cabinet fan

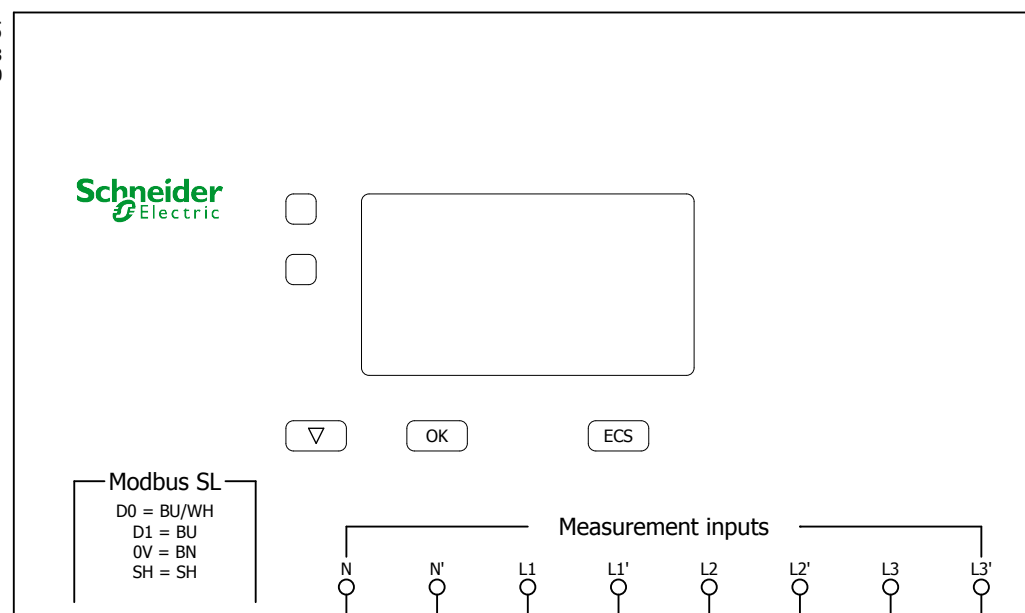
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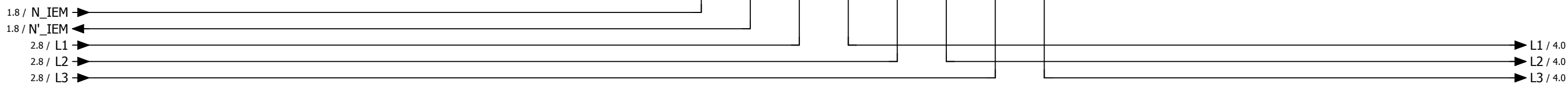
Cabinet Lamp, Socket, Fan

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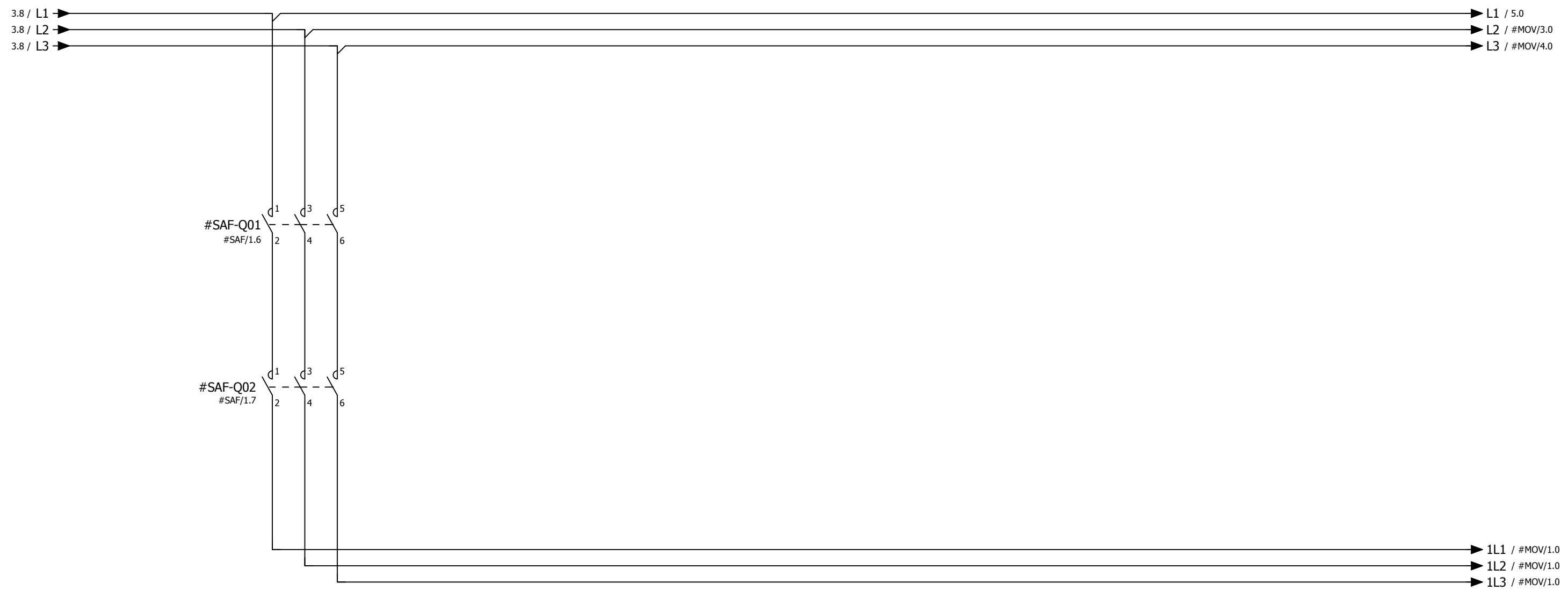
-P05
/3.3
Energy meter iEM3150




COM
#COM/3.2

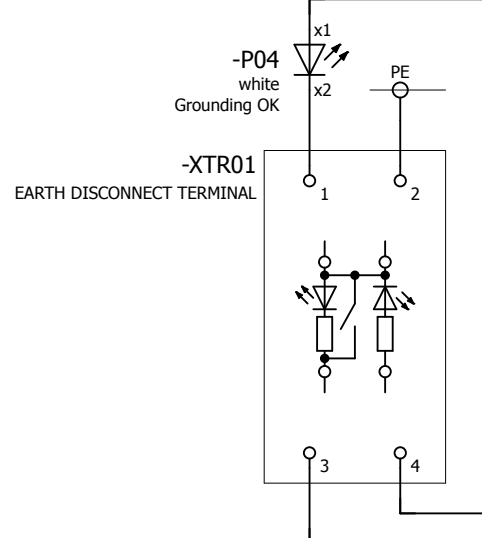
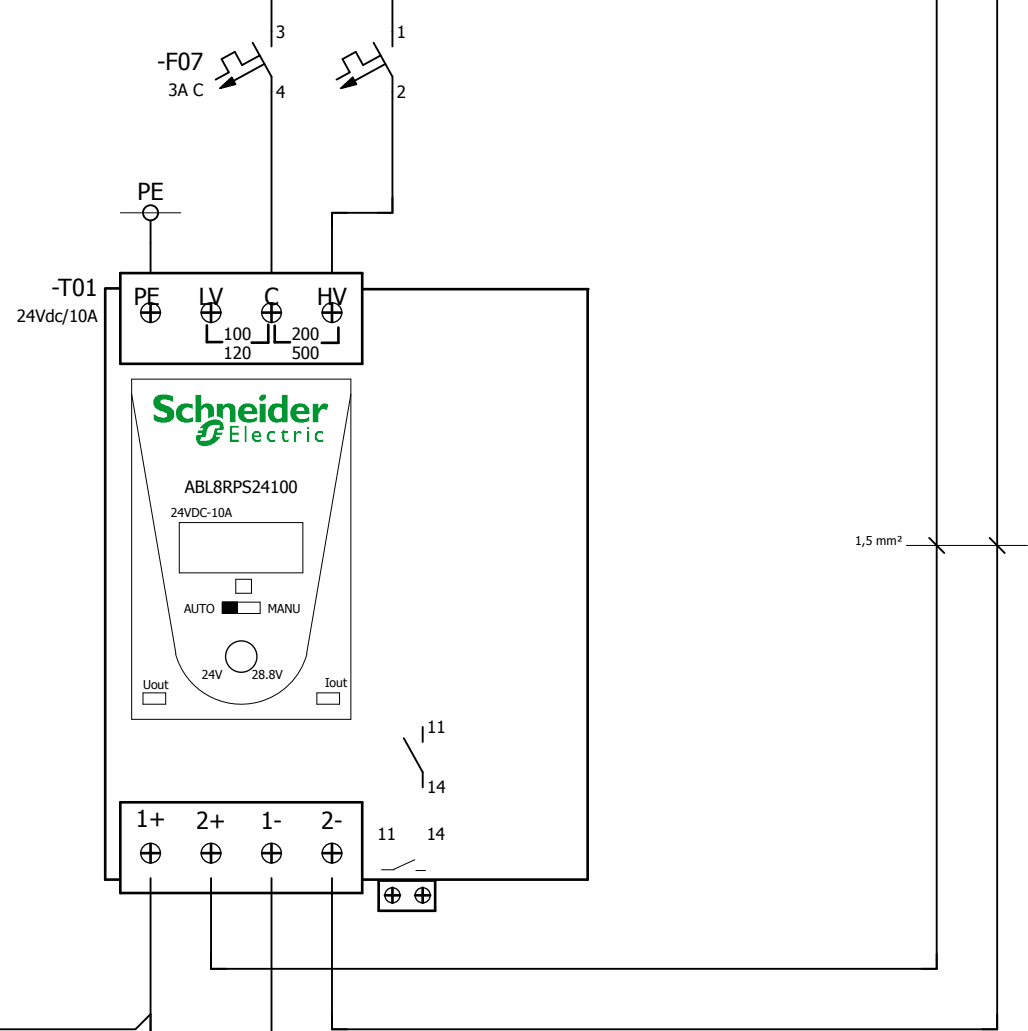


Energy Meter



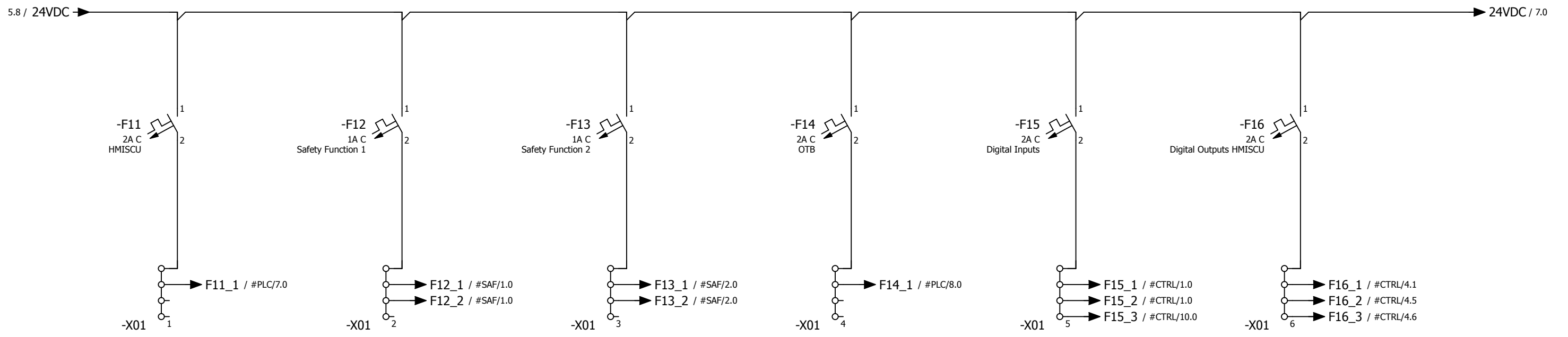
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		Ed.	HKR	TVDA			Main Power Supply				#PSD	
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1.8 / N → N / #MOV/1.0
 4.8 / L1 → 24VDC / 6.0
 → 0VDC / 9.0



Earth disconnect terminal Power Supply

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HMI-SCU
power supply 24V dc

Safety Function 1
power supply 24V dc

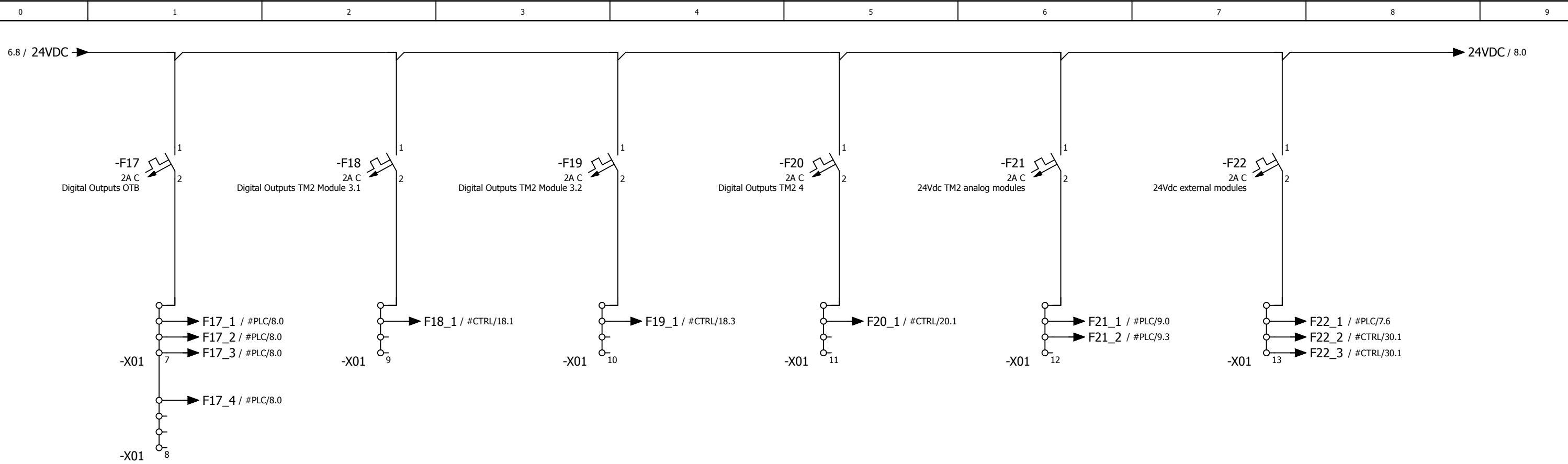
Safety Function 2
power supply 24V dc

OTB
power supply 24V dc

Digital Inputs
power supply 24V dc

Digital Outputs HMI-SCU
power supply 24V dc

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Digital Outputs OTB
power supply 24V dc


Digital Outputs TM2 Module 3.1
power supply 24V dc

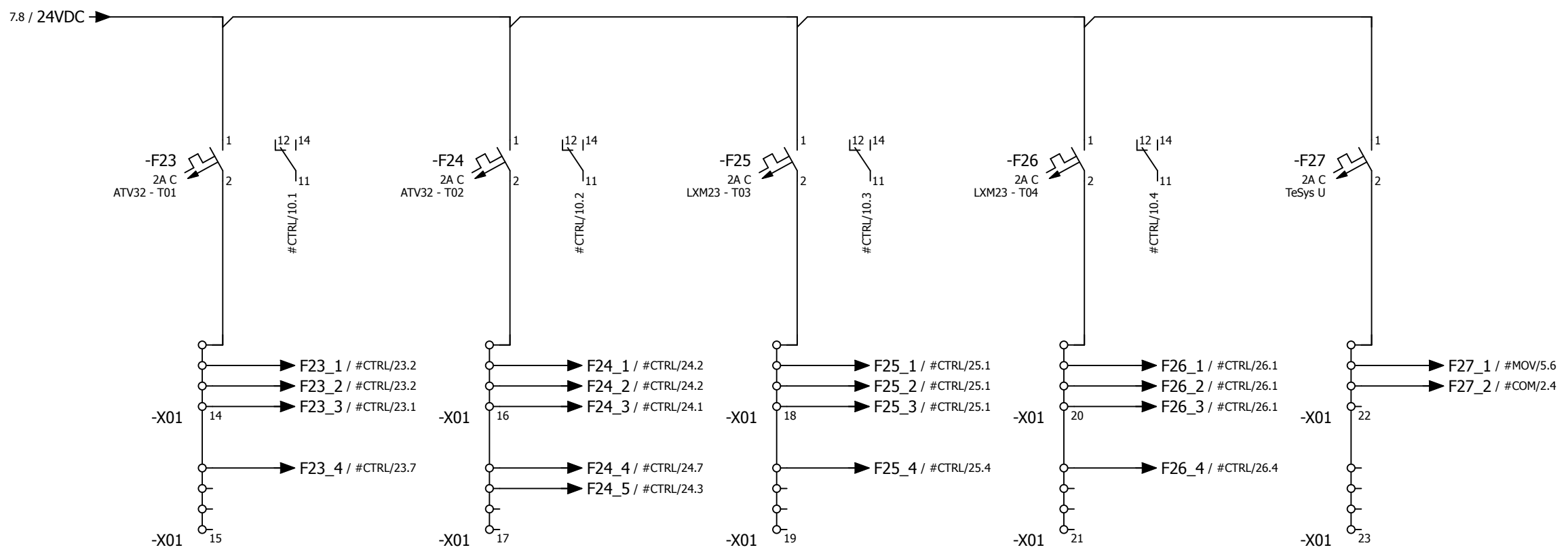
Digital Outputs TM2 Module 3.2
power supply 24V dc

Digital Outputs TM2 4
power supply 24V dc

24Vdc TM2 analog modules
power supply 24V dc

24Vdc external
power supply 24V dc

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ATV32 - T01
power supply 24V dc

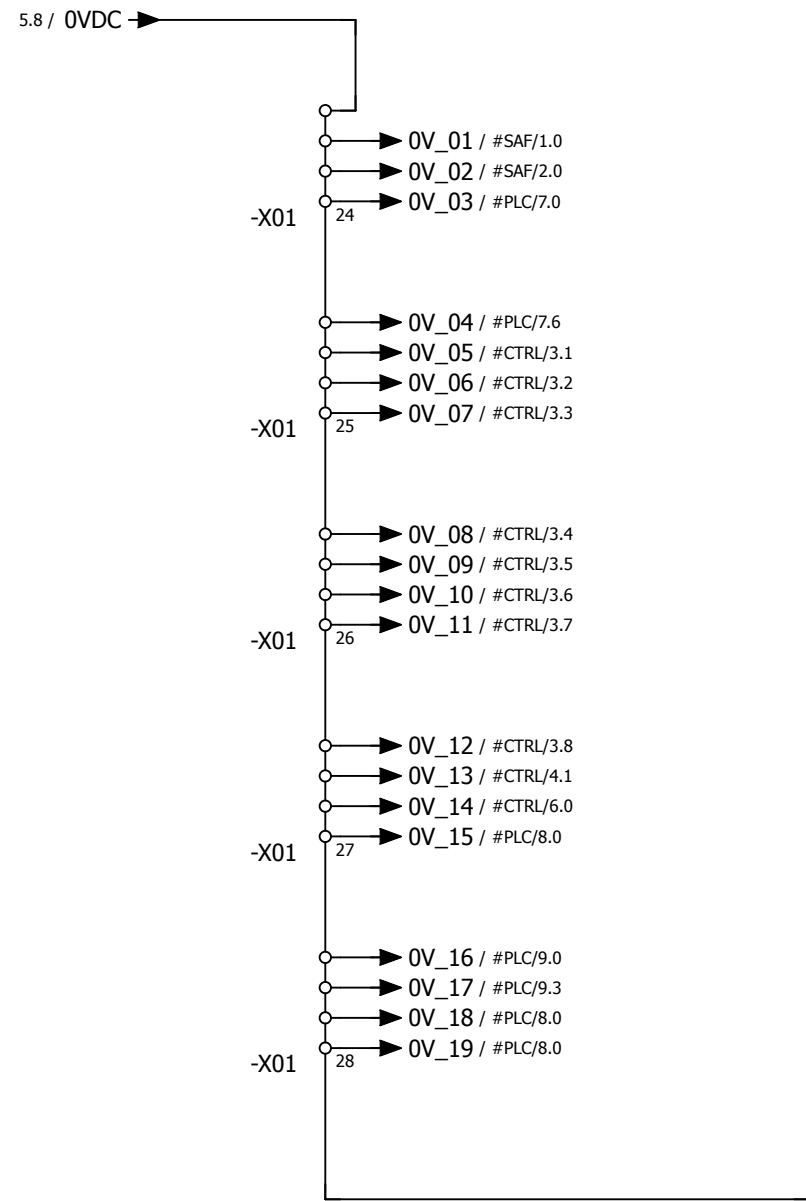
ATV32 - T02
power supply 24V dc

LXM28 - T03
power supply 24V dc

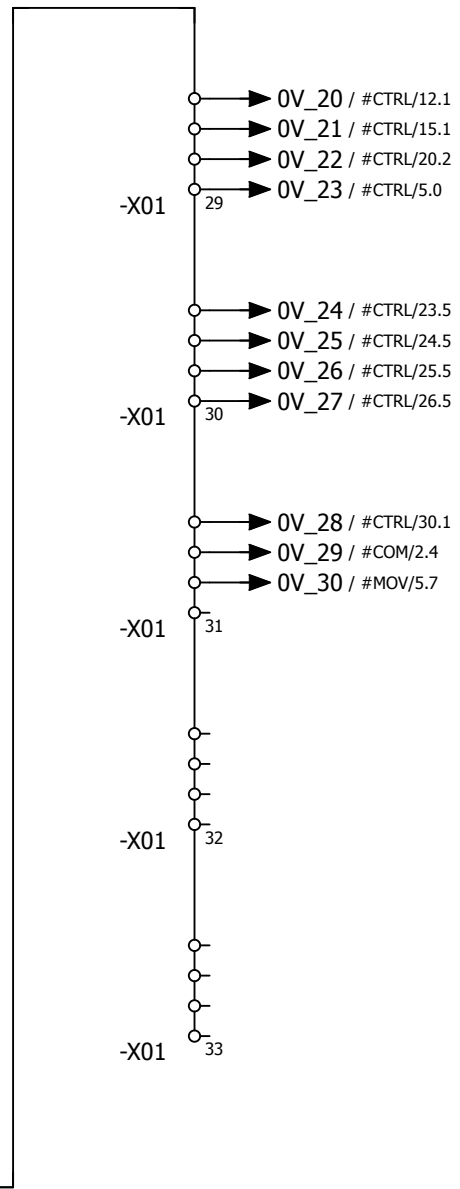
LXM28 - T04
power supply 24V dc

TeSys U
Operator voltage
power supply 24V dc

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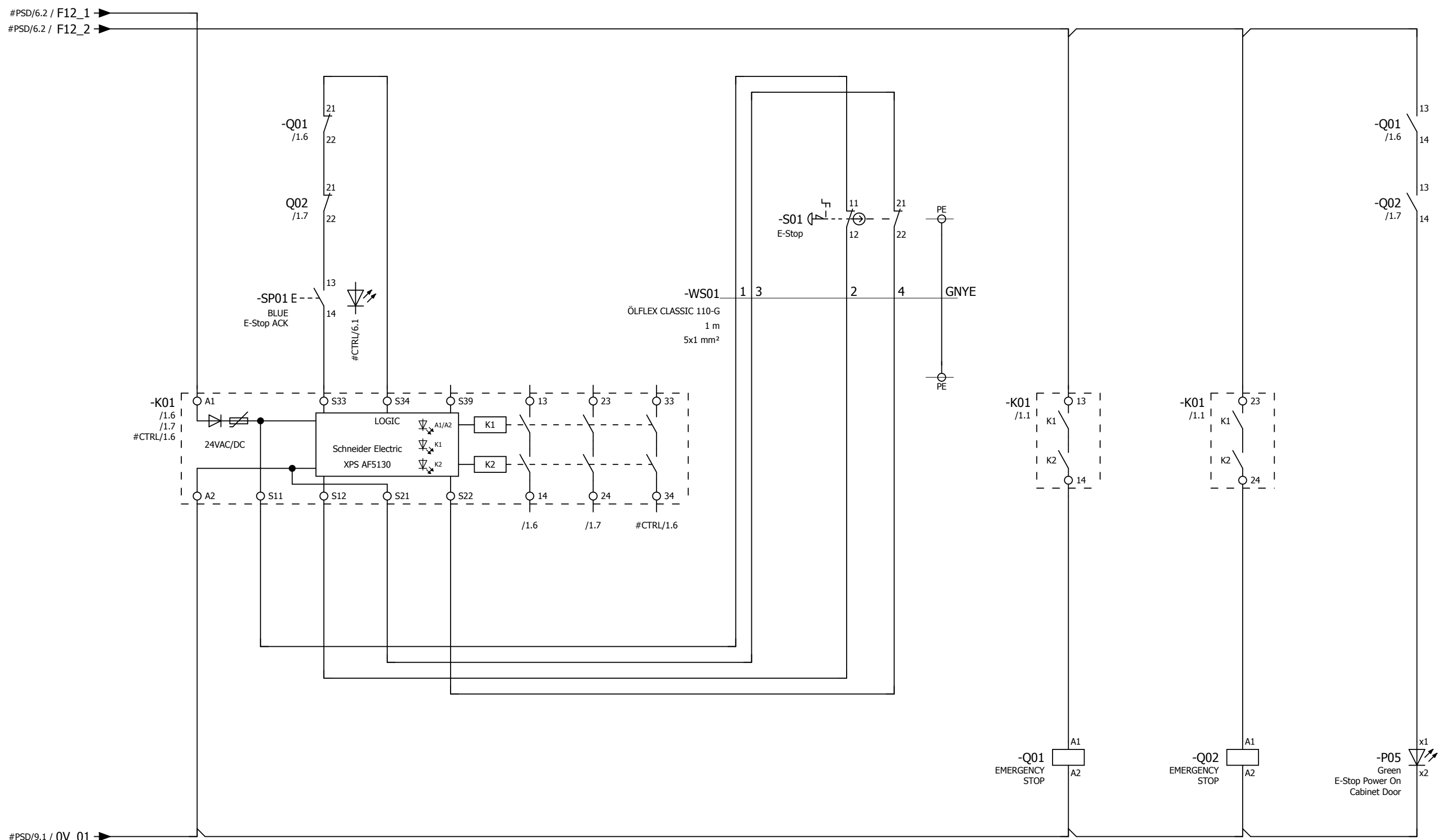


Power supply 0V dc



Power supply 0V dc

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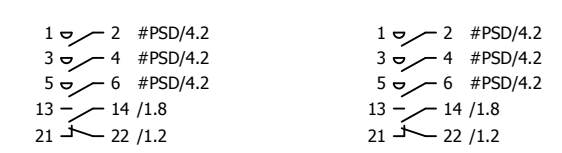


Emergency Stop

Emergency Stop Main Contactor 1

Emergency Stop Main Contactor 2

Emergency Stop Power-ON



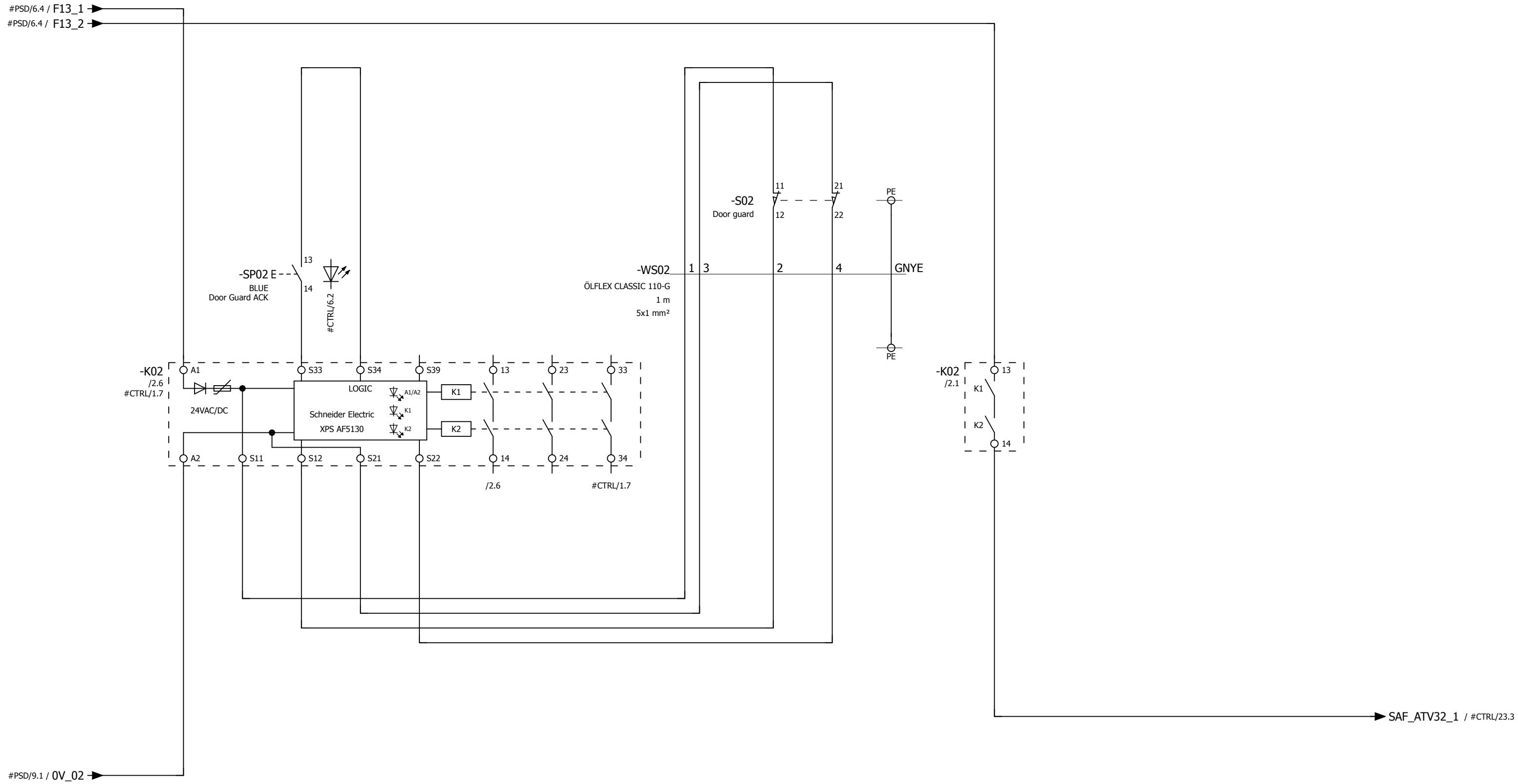
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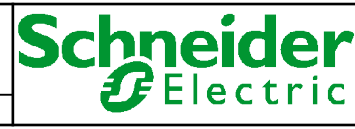
Emergency Stop

=WIRD		+MC
		#SAF
EIO0000001818.00	Page	1
=WIRD+MC#SAF/1		of
		2



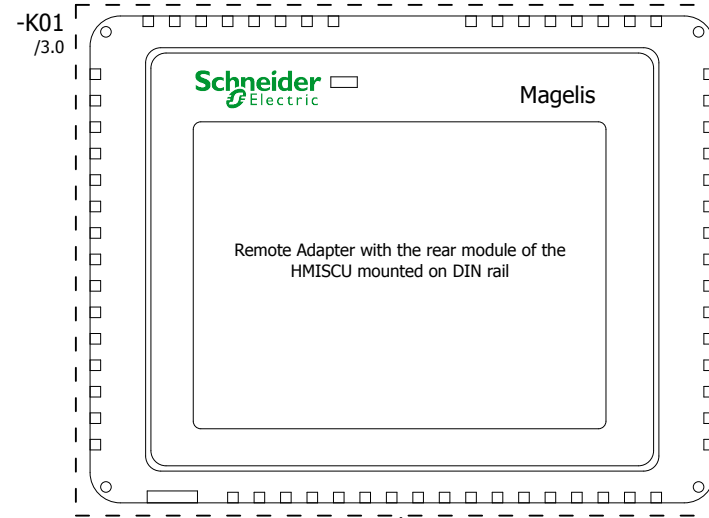
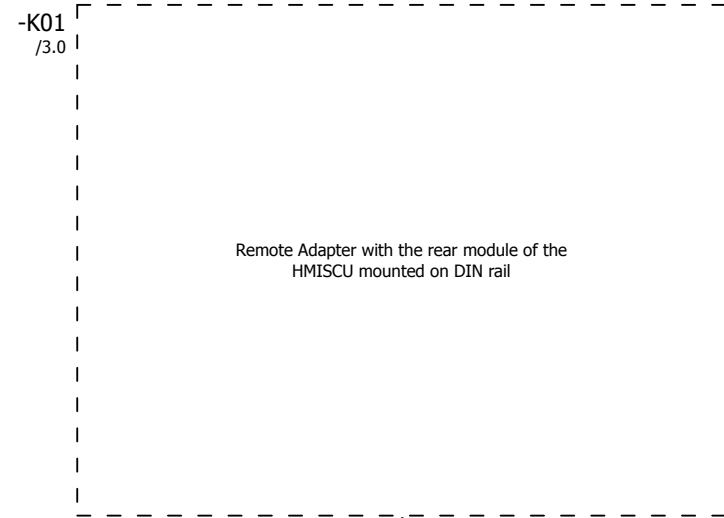
Emergency Stop
Door Guard


Date	2015/02/17	Compact / CANopen / HMI Controller SCU
Ed.	HKR	
Appr		TVDA
Modification	Date	Name
	Original	Replacement of
		Replaced by

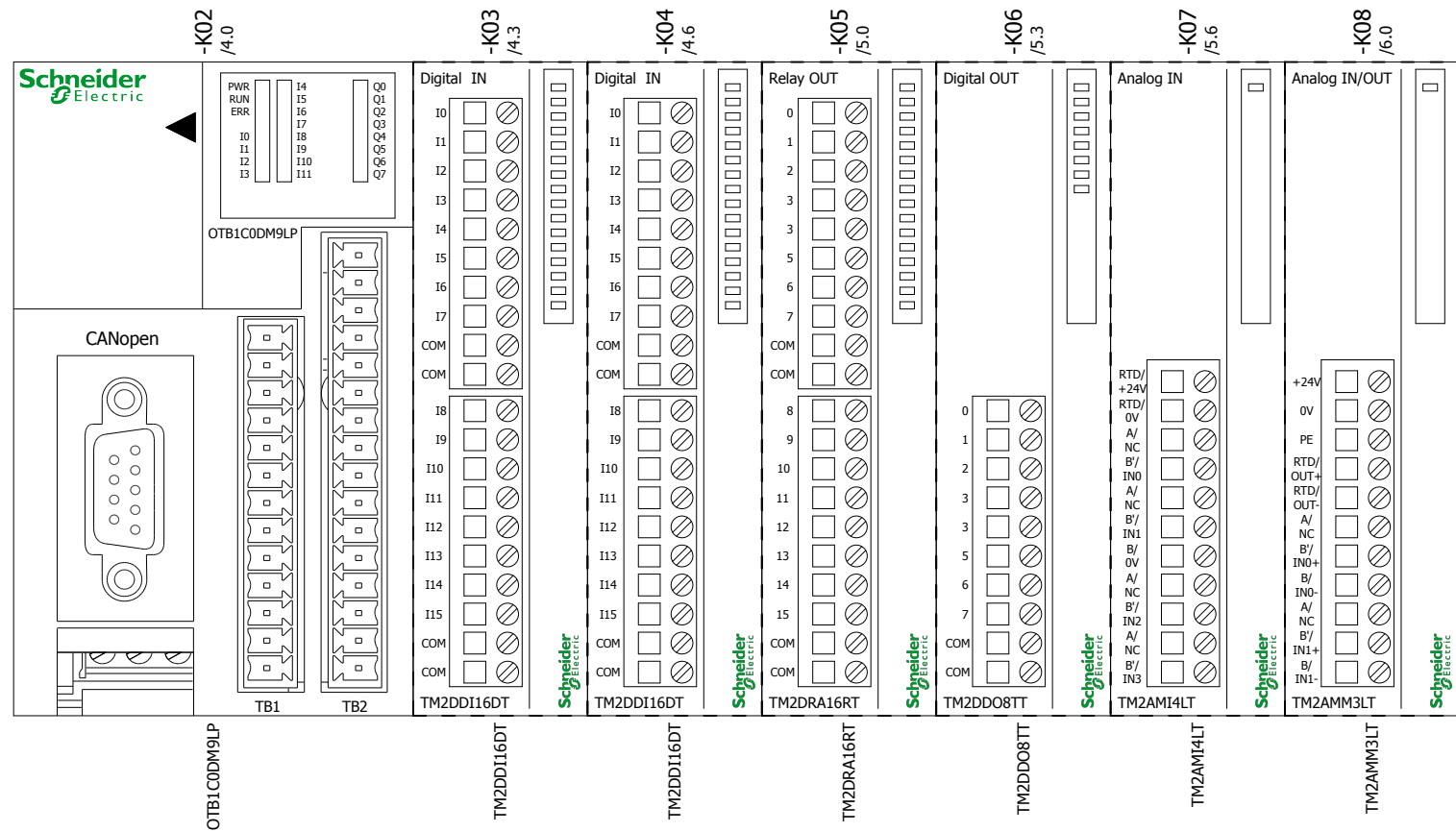


Emergency Stop - Door Guard

=WIRD		+MC
		#SAF
EIO0000001818.00	Page	2
=WIRD+MC#SAF/2		of 2

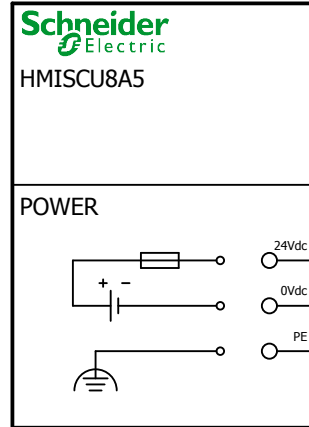


			Date	2015/02/17	Compact / CANopen / HMI Controller SCU			Assembly layout HMISCU + Remote Adapter	=WIRD		+MC	
			Ed.	HKR	TVDA						#PLC	
			Appr									
Modification	Date	Name	Original		Replacement of	Replaced by			EIO0000001818.00	Page	1	
									=WIRD+MC#PLC/1		of	9

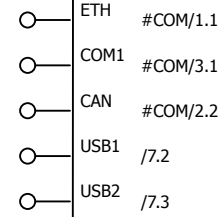


			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Assembly layout OTB I/O island		=WIRD	+MC	
			Ed.	HKR	TVDA					#PLC	
Modification	Date	Name	Original	Replacement of	Replaced by				EIO0000001818.00	Page	2
									=WIRD+MC#PLC/2	of	9

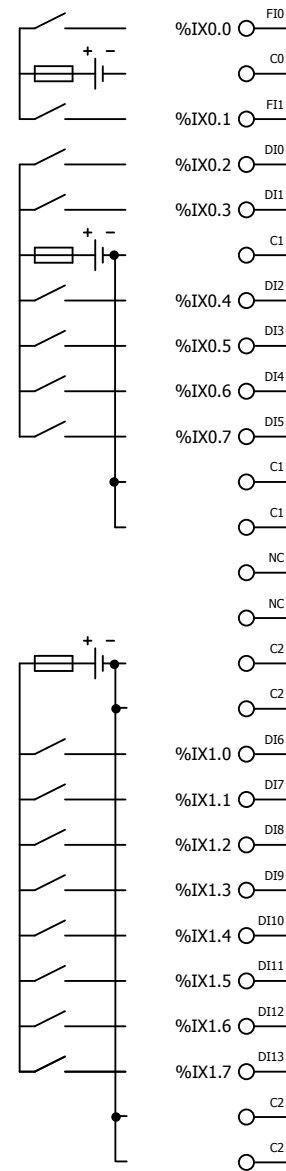
-K01



Communication

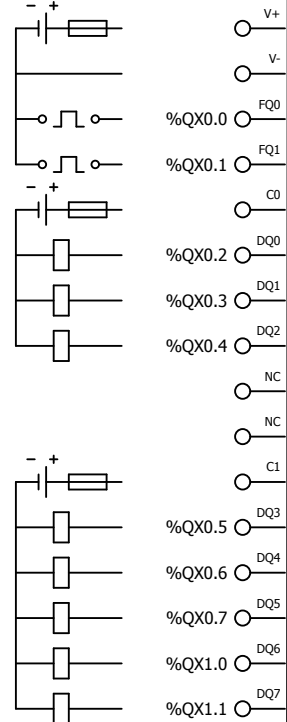


Digital Inputs

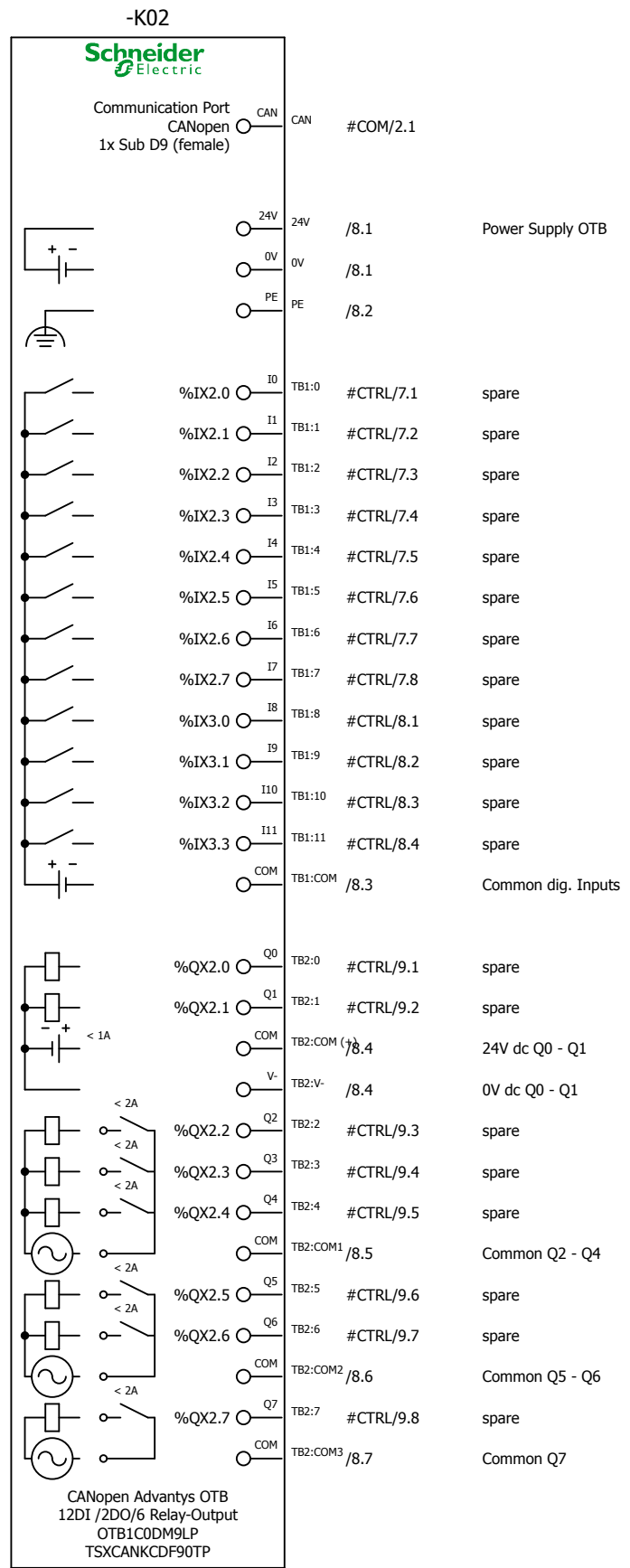


%IX0.0	F10	C:3	#CTRL/1.1	spare
	CO	D:3	#CTRL/3.1	Common F10-F11
%IX0.1	F11	C:4	#CTRL/1.2	spare
%IX0.2	D10	D:4	#CTRL/1.3	Push Button Reverse
%IX0.3	D11	C:5	#CTRL/1.4	Push Button Stop
	C1	D:5	#CTRL/3.2	Common DI0-DI5
%IX0.4	D12	D:6	#CTRL/1.5	Push Button Forward
%IX0.5	D13	C:6	#CTRL/1.6	E-Stop Main Power Okay
%IX0.6	D14	D:7	#CTRL/1.7	E-Stop Dorr Guard Okay
%IX0.7	D15	C:7	#CTRL/1.8	spare
	C1	D:8	#CTRL/3.4	Common DI0-DI5
	C1	C:8	#CTRL/3.3	Common DI0-DI5
	NC	D:9		
	NC	C:9		
	C2	D:10	#CTRL/3.6	Common DI6-DI13
	C2	C:10	#CTRL/3.5	Common DI6-DI13
%IX1.0	D16	D:11	#CTRL/2.1	spare
%IX1.1	D17	C:11	#CTRL/2.2	spare
%IX1.2	D18	D:12	#CTRL/2.3	spare
%IX1.3	D19	C:12	#CTRL/2.4	spare
%IX1.4	D110	D:13	#CTRL/2.5	spare
%IX1.5	D111	C:13	#CTRL/2.6	spare
%IX1.6	D112	D:14	#CTRL/2.7	spare
%IX1.7	D113	C:14	#CTRL/2.8	spare
	C2	D:15	#CTRL/3.8	Common DI6-DI13
	C2	C:15	#CTRL/3.7	Common DI6-DI13

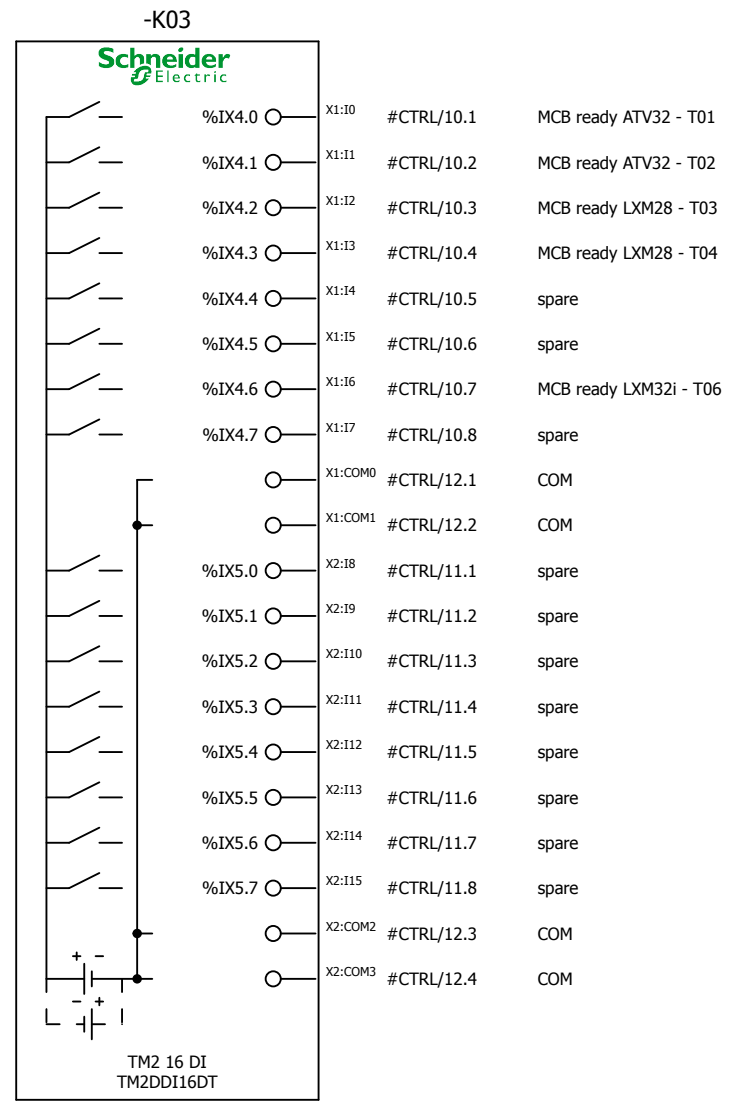
Digital Outputs



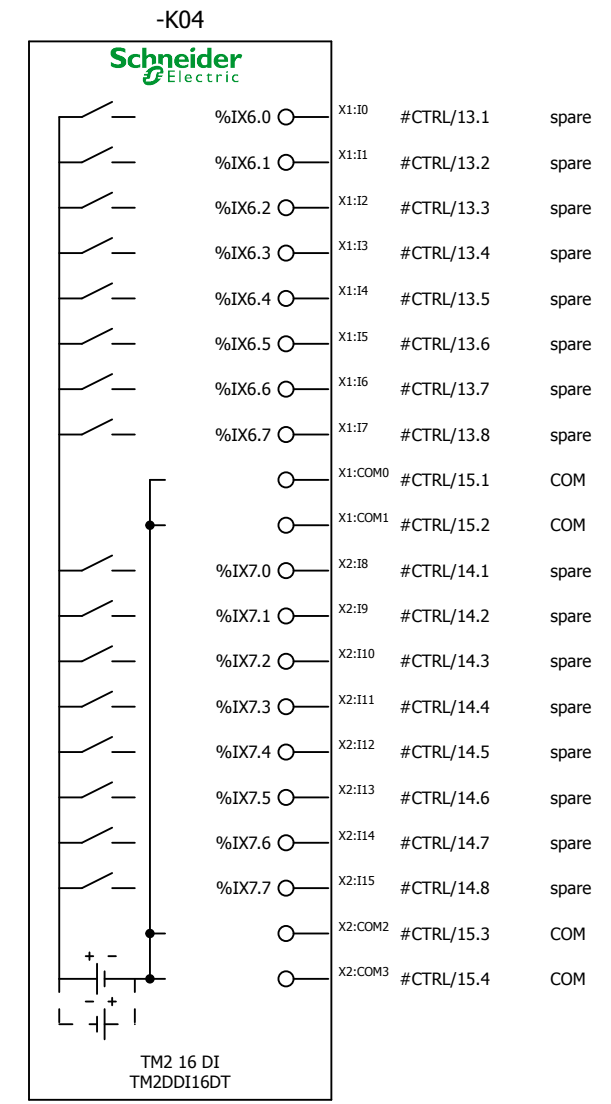
V+	C:1	#CTRL/4.1	24Vdc FQ0-FQ1
V-	D:1	#CTRL/4.1	0Vdc FQ0-FQ1
FQ0	D:2	#CTRL/4.2	spare
FQ1	C:2	#CTRL/4.3	spare
CO	A:1	#CTRL/4.5	Common 24Vdc DQ0-DQ2
DQ0	B:1	#CTRL/5.2	Towerlight Plant ON - No fault
DQ1	A:2	#CTRL/5.3	Towerlight At least one Motor is running
DQ2	B:2	#CTRL/5.4	Towerlight Fault
NC	A:3		
NC	B:3		
C1	A:4	#CTRL/4.6	Common 24Vdc DQ3-DQ7
DQ3	B:4	#CTRL/5.5	Towerlight E-Stop to be acknowledged
DQ4	A:5	#CTRL/6.1	Indicator E-Stop Main Power
DQ5	B:5	#CTRL/6.2	Indicator E-Stop Door Guard
DQ6	A:6	#CTRL/6.3	spare
DQ7	B:6	#CTRL/6.4	spare



/8.1
/2.0

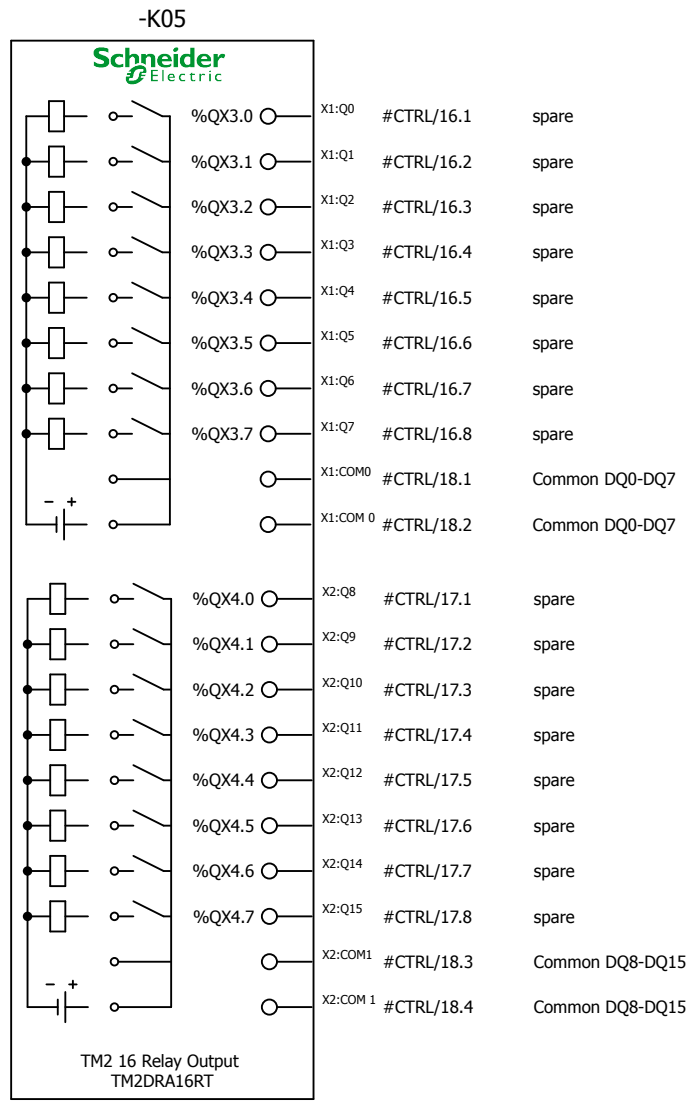


/2.1

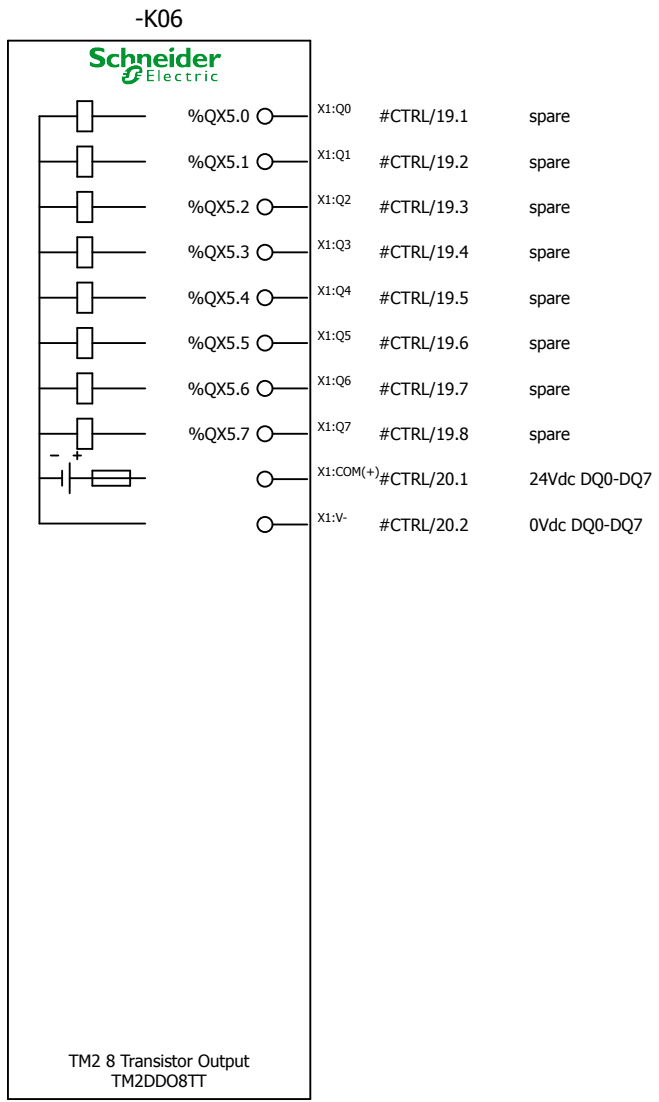


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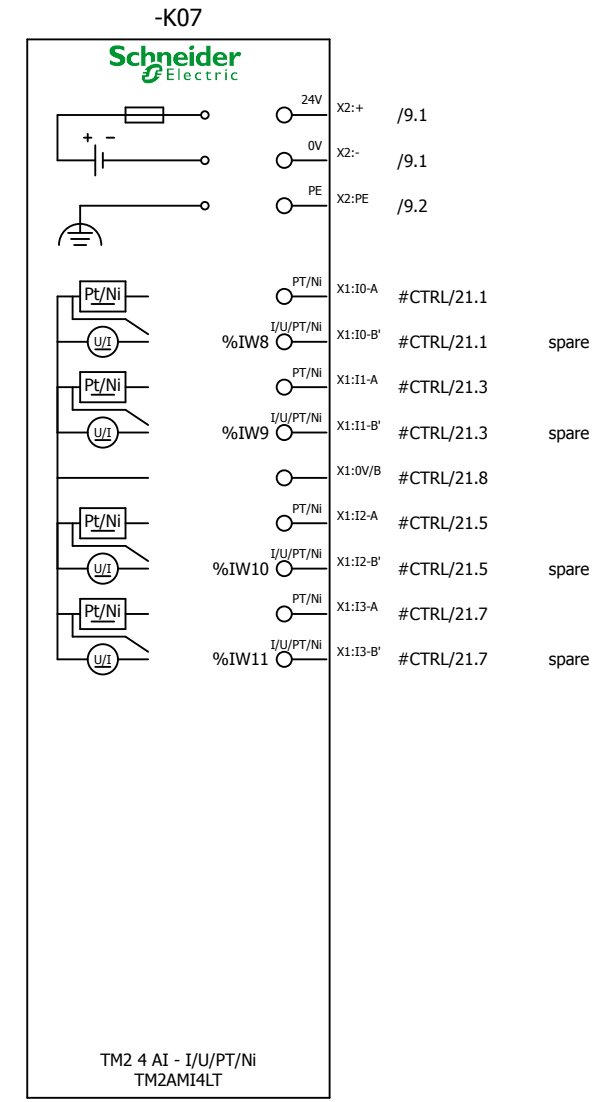
Date	2015/02/17	Compact / CANopen / HMI Controller SCU	Schneider Electric	Overview OTB I/O Island	=WIRD +MC	
Ed.	HKR	TVDA				EIO0000001818.00
Modification	Date	Name	Original	Replacement of	Replaced by	=WIRD+MC#PLC/4 of 9



/2.3

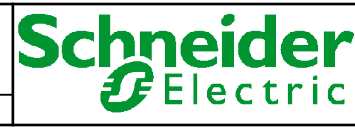


/2.3



/2.4

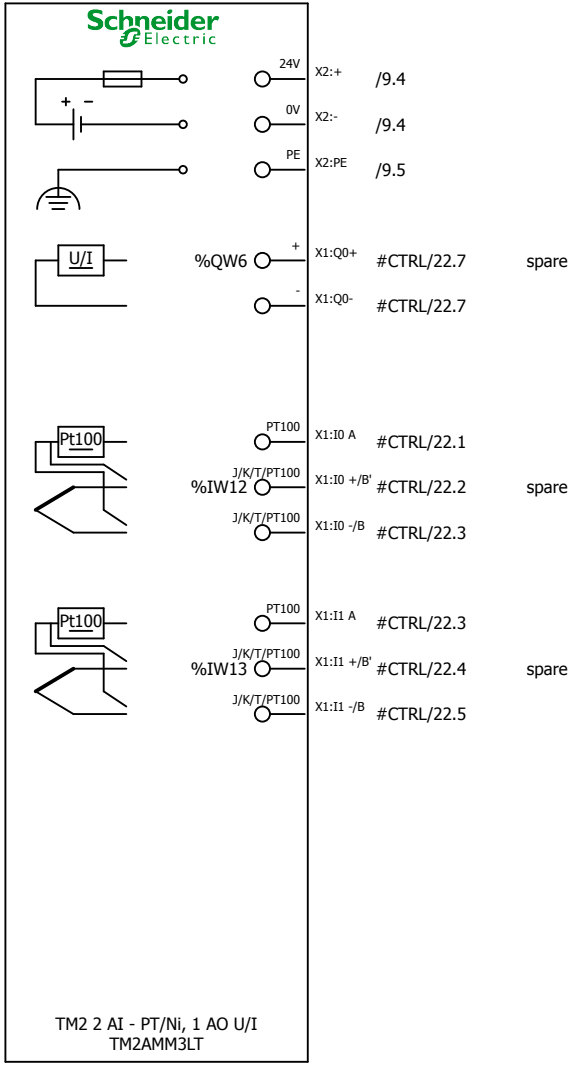
Date	2015/02/17	Compact / CANopen / HMI Controller SCU	
Ed.	HKR	TVDA	
Appr		Replacement of	Replaced by
Modification	Date	Name	Original



Overview OTB I/O Island

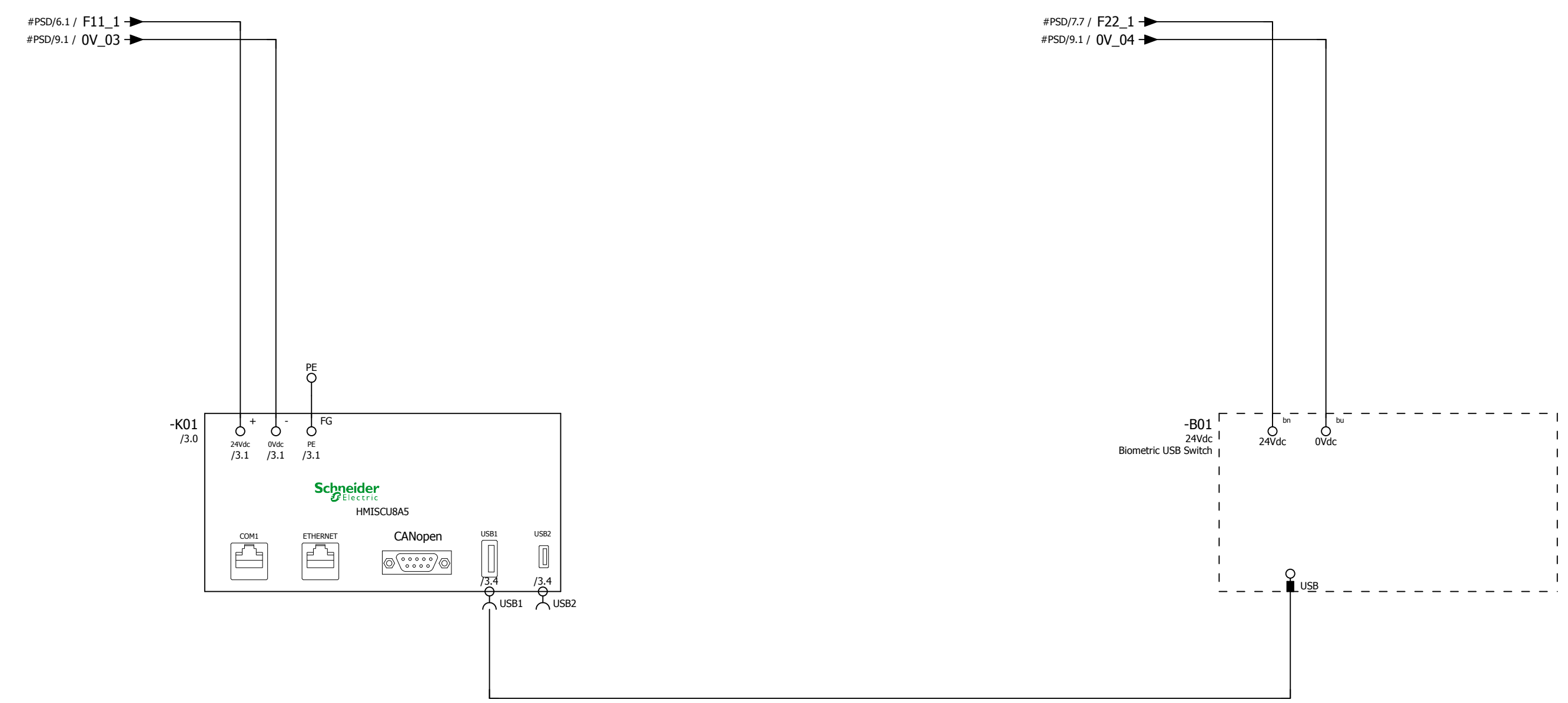
=WIRD		+MC
		#PLC
EIO0000001818.00	Page	5
=WIRD+MC#PLC/5		of
		9

-K08

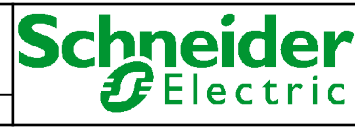


/2.4

			Date	2015/02/17	Compact / CANopen / HMI Controller SCU			Overview OTB I/O Island		=WIRD		+MC
			Ed.	HKR	TVDA							#PLC
			Appr							EIO0000001818.00	Page	6
Modification	Date	Name	Original		Replacement of	Replaced by			=WIRD+MC#PLC/6		of	9

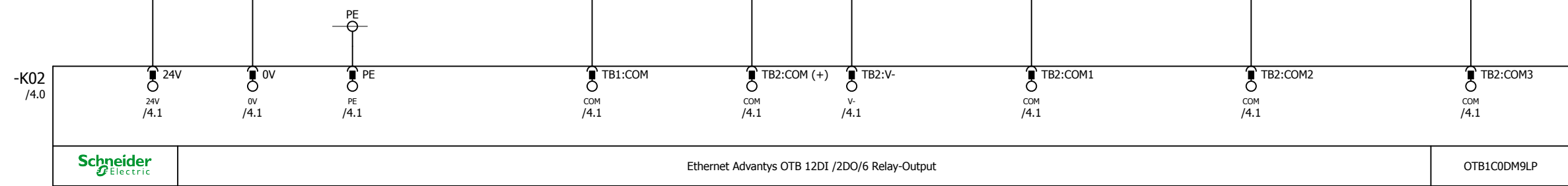
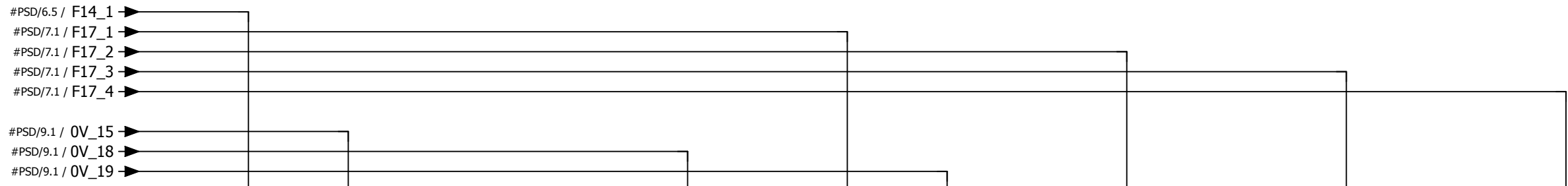


Date	2015/02/17	Compact / CANopen / HMI Controller SCU	
Ed.	HKR	TVDA	
Appr		Replacement of	Replaced by
Modification	Date	Name	Original



Power supply HMISCU

=WIRD		+MC
		#PLC
EIO0000001818.00	Page	7
=WIRD+MC#PLC/7		of 9



Power Supply OTB

Common dig. Inputs

24V dc
Q0 - Q1

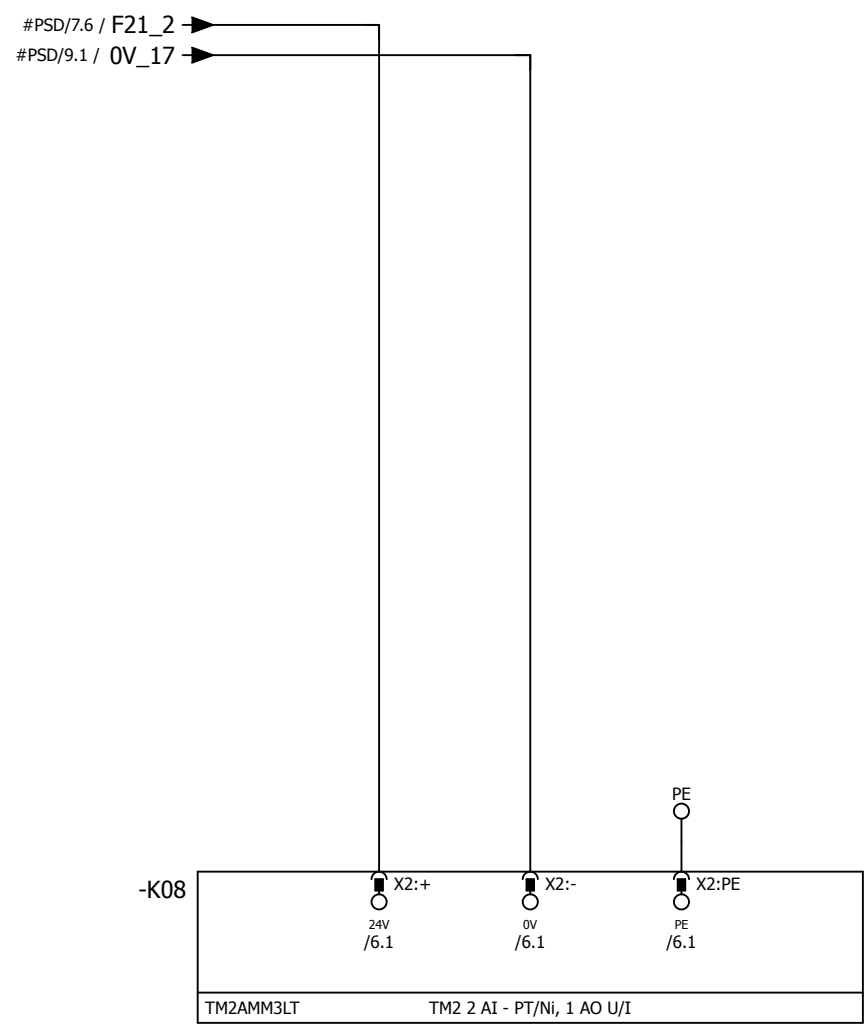
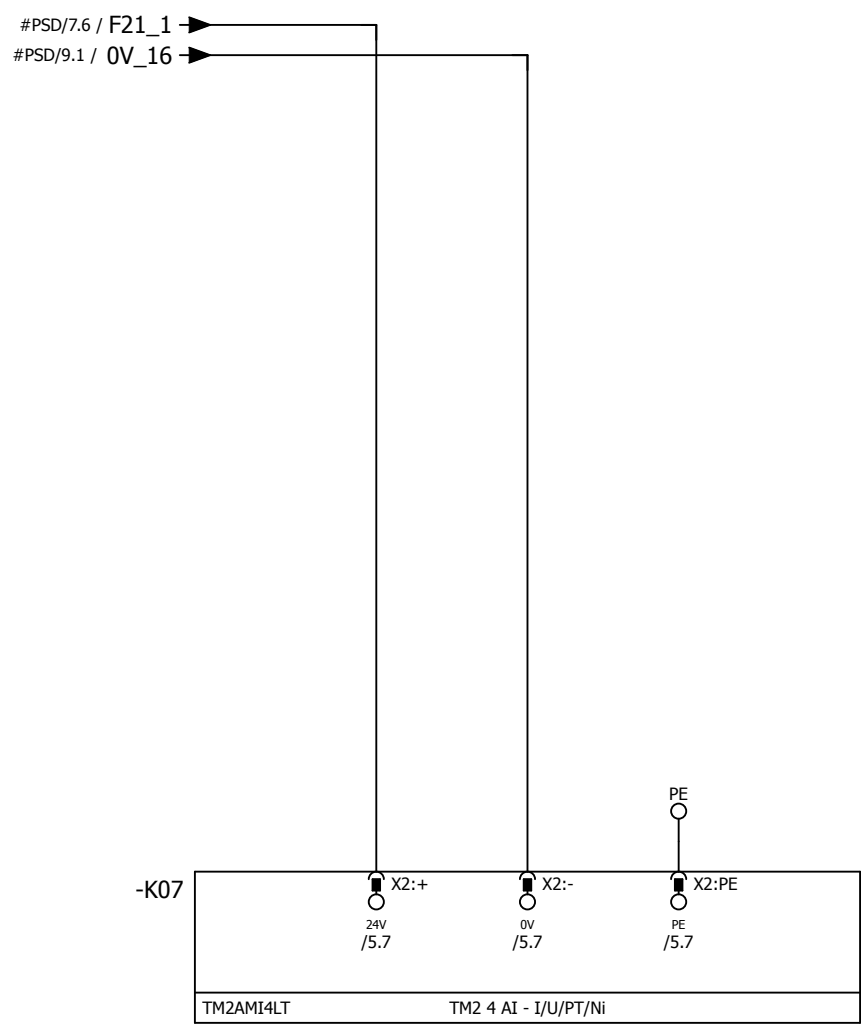
0V dc
Q0 - Q1

Common
Q2 - Q4

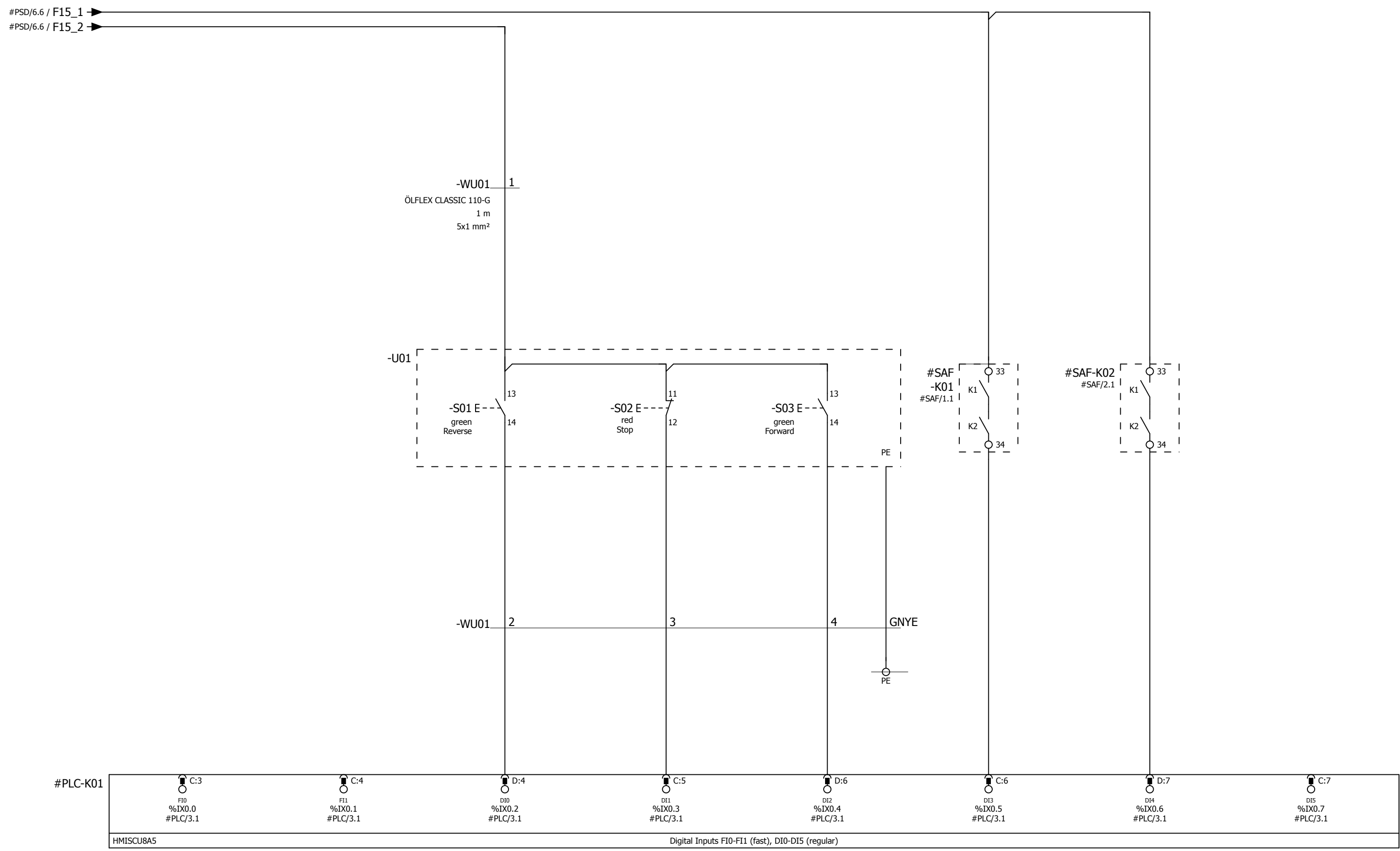
Common
Q5 - Q6

Common
Q7

			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Power supply OTB		=WIRD	+MC
			Ed.	HKR	TVDA					#PLC
Modification	Date	Name	Original	Replacement of	Replaced by				EIO0000001818.00	Page 8
								=WIRD+MC#PLC/8	of	9

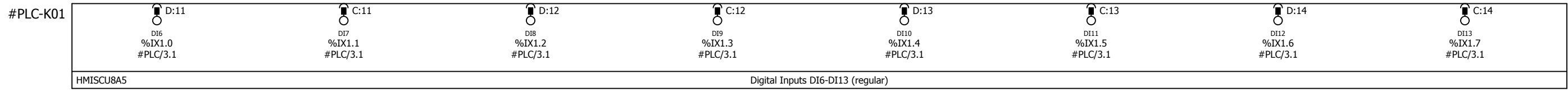


			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Power supply TM2		=WIRD	+MC
			Ed.	HKR	TVDA					#PLC
			Appr							
Modification	Date	Name	Original		Replacement of	Replaced by		EIO0000001818.00		9
								=WIRD+MC#PLC/9	of	9

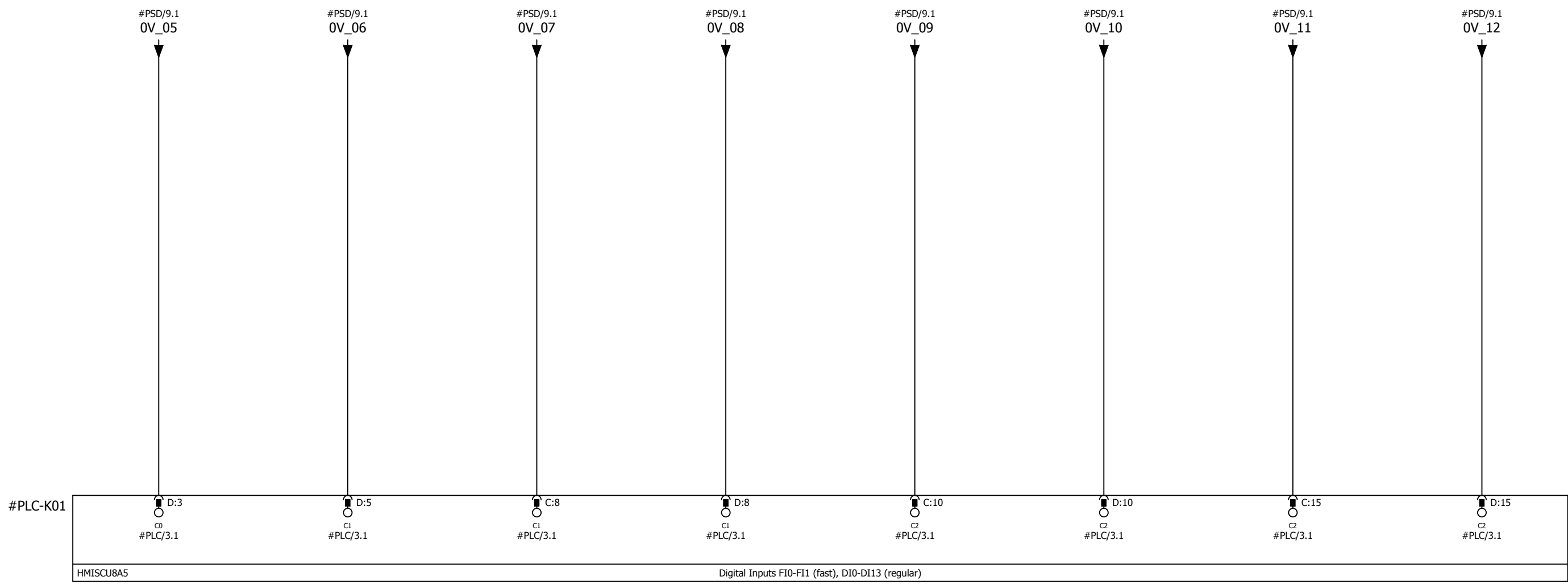


spare spare Push Button Reverse Push Button Stop Push Button Forward E-Stop Main Power Okay E-Stop Dorr Guard Okay spare

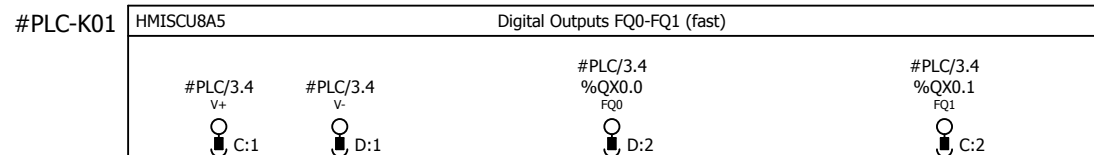
Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Digital Inputs HMISCU	=WIRD	+MC
Ed.	HKR	TVDA		EIO0000001818.00	Page	1
Modification	Date	Name	Original	Replacement of	Replaced by	=WIRD+MC#CTRL/1 of 30



spare
spare
spare
spare
spare
spare
spare
spare



Common FIO-FI1 Common DI0-DI5 Common DI0-DI5 Common DI0-DI5 Common DI6-DI13 Common DI6-DI13 Common DI6-DI13 Common DI6-DI13



F16_1
#PSD/6.7

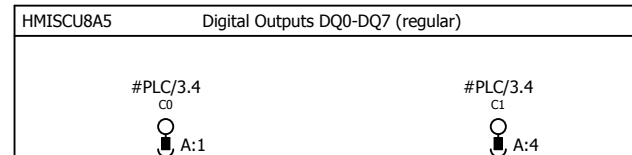
0V_13
#PSD/9.1

24Vdc
FQ0-FQ1

0Vdc
FQ0-FQ1

spare

spare

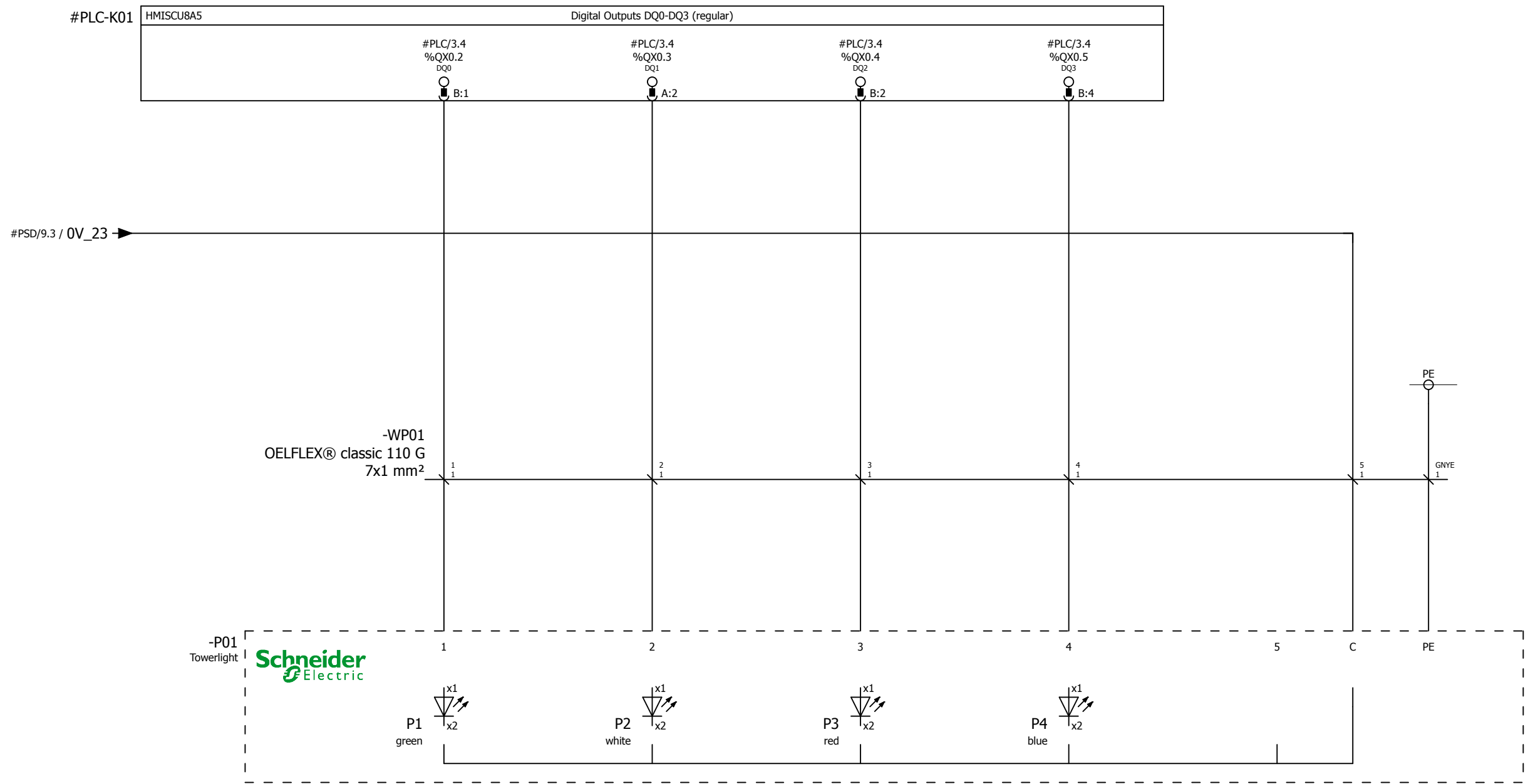


F16_2
#PSD/6.7

F16_3
#PSD/6.7

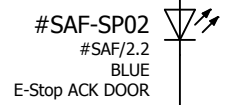
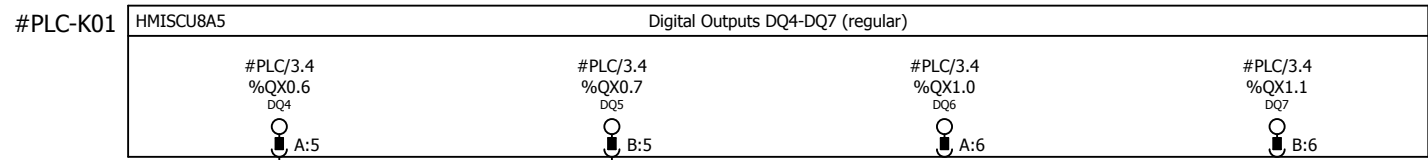
Common 24Vdc
DQ0-DQ2

Common 24Vdc
DQ3-DQ7



Towerlight Plant ON - No fault Towerlight At least one Motor is running Towerlight Fault Towerlight E-Stop to be acknowledged Towerlight spare

			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Digital outputs HMISCU		=WIRD	+MC
			Ed.	HKR	TVDA					#CTRL
Modification	Date	Name	Original	Replacement of	Replaced by			EIO0000001818.00	Page	5
								=WIRD+MC#CTRL/5		of 30











#PSD/9.1 / OV_14 →

Indicator
E-Stop Main Power
Indicator
E-Stop Door Guard
spare
spare

			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Digital outputs HMISCU		=WIRD	+MC
			Ed.	HKR	TVDA					#CTRL
Modification	Date	Name	Original	Replacement of	Replaced by			EIO0000001818.00		Page
								=WIRD+MC#CTRL/6	of	30

#PLC-K02

 TB1:0 10 %IX2.0 #PLC/4.1	 TB1:1 11 %IX2.1 #PLC/4.1	 TB1:2 12 %IX2.2 #PLC/4.1	 TB1:3 13 %IX2.3 #PLC/4.1	 TB1:4 14 %IX2.4 #PLC/4.1	 TB1:5 15 %IX2.5 #PLC/4.1	 TB1:6 16 %IX2.6 #PLC/4.1	 TB1:7 17 %IX2.7 #PLC/4.1		
OTB1C0DM9LP								CANopen Advantys OTB 12DI /2DO/6 Relay-Output	

spare

spare

spare

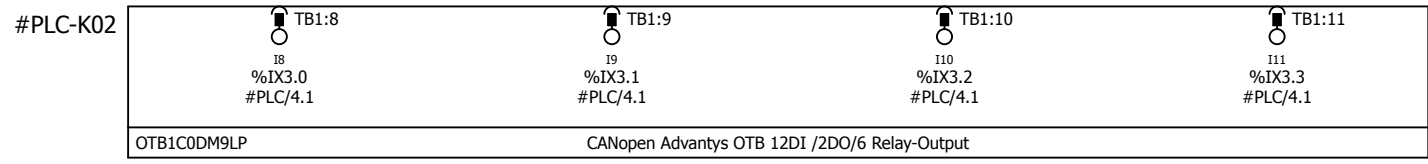
spare

spare

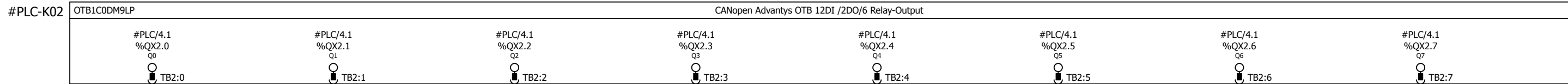
spare

spare

spare



spare spare spare spare



spare

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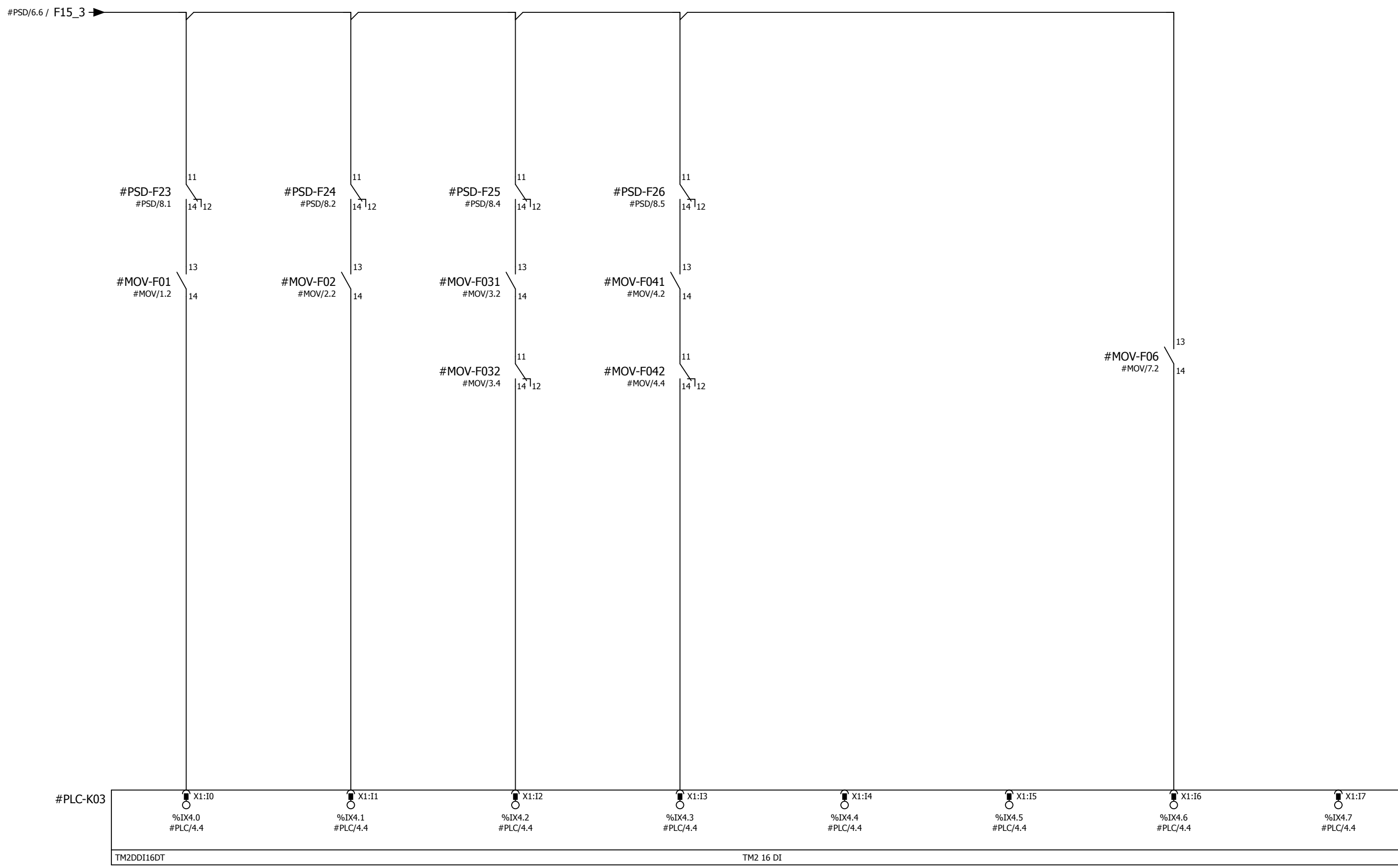
spare

spare

spare

spare

			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		OTB I/O Island Digital Outputs		=WIRD	+MC	
			Ed.	HKR	TVDA					#CTRL	
Modification	Date	Name	Original	Replacement of	Replaced by				EIO0000001818.00	Page	9
									=WIRD+MC#CTRL/9	of	30



MCB ready
ATV32 - T01
MCB ready
ATV32 - T02
MCB ready
LXM28 - T03
MCB ready
LXM28 - T04
spare
spare
MCB ready
LXM32i - T06
spare

#PLC-K03

X2:18 %IX5.0 #PLC/4.4	X2:19 %IX5.1 #PLC/4.4	X2:I10 %IX5.2 #PLC/4.4	X2:I11 %IX5.3 #PLC/4.4	X2:I12 %IX5.4 #PLC/4.4	X2:I13 %IX5.5 #PLC/4.4	X2:I14 %IX5.6 #PLC/4.4	X2:I15 %IX5.7 #PLC/4.4
TM2DDI16DT TM2 16 DI							

spare

spare

spare

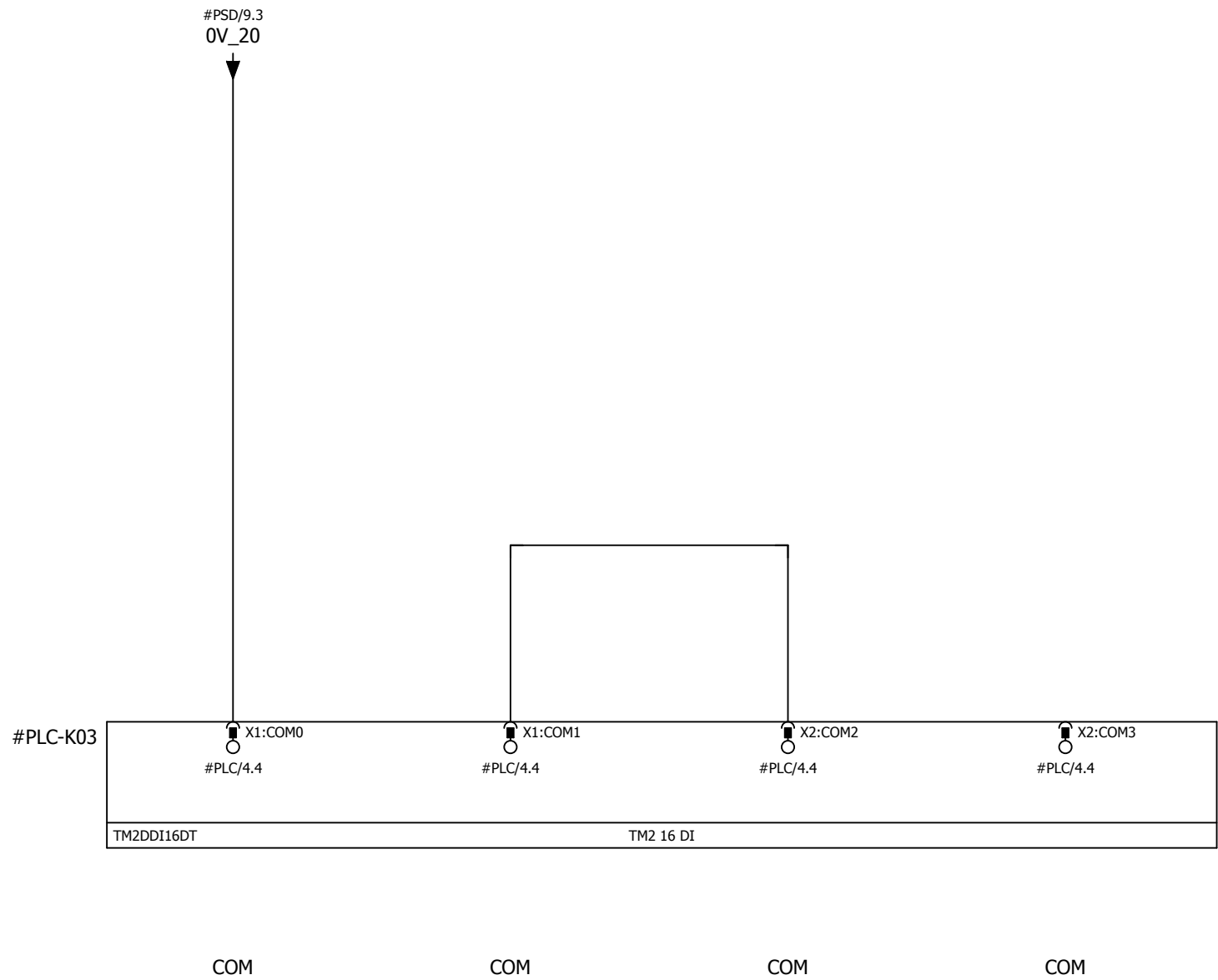
spare

spare

spare

spare

spare



#PLC-K04

X1:I0	X1:I1	X1:I2	X1:I3	X1:I4	X1:I5	X1:I6	X1:I7
%IX6.0 #PLC/4.7	%IX6.1 #PLC/4.7	%IX6.2 #PLC/4.7	%IX6.3 #PLC/4.7	%IX6.4 #PLC/4.7	%IX6.5 #PLC/4.7	%IX6.6 #PLC/4.7	%IX6.7 #PLC/4.7
TM2DDI16DT TM2 16 DI							

spare

spare

spare

spare

spare

spare

spare

spare

#PLC-K04

X2:18 %IX7.0 #PLC/4.7	X2:19 %IX7.1 #PLC/4.7	X2:I10 %IX7.2 #PLC/4.7	X2:I11 %IX7.3 #PLC/4.7	X2:I12 %IX7.4 #PLC/4.7	X2:I13 %IX7.5 #PLC/4.7	X2:I14 %IX7.6 #PLC/4.7	X2:I15 %IX7.7 #PLC/4.7
TM2DDI16DT TM2 16 DI							

spare

spare

spare

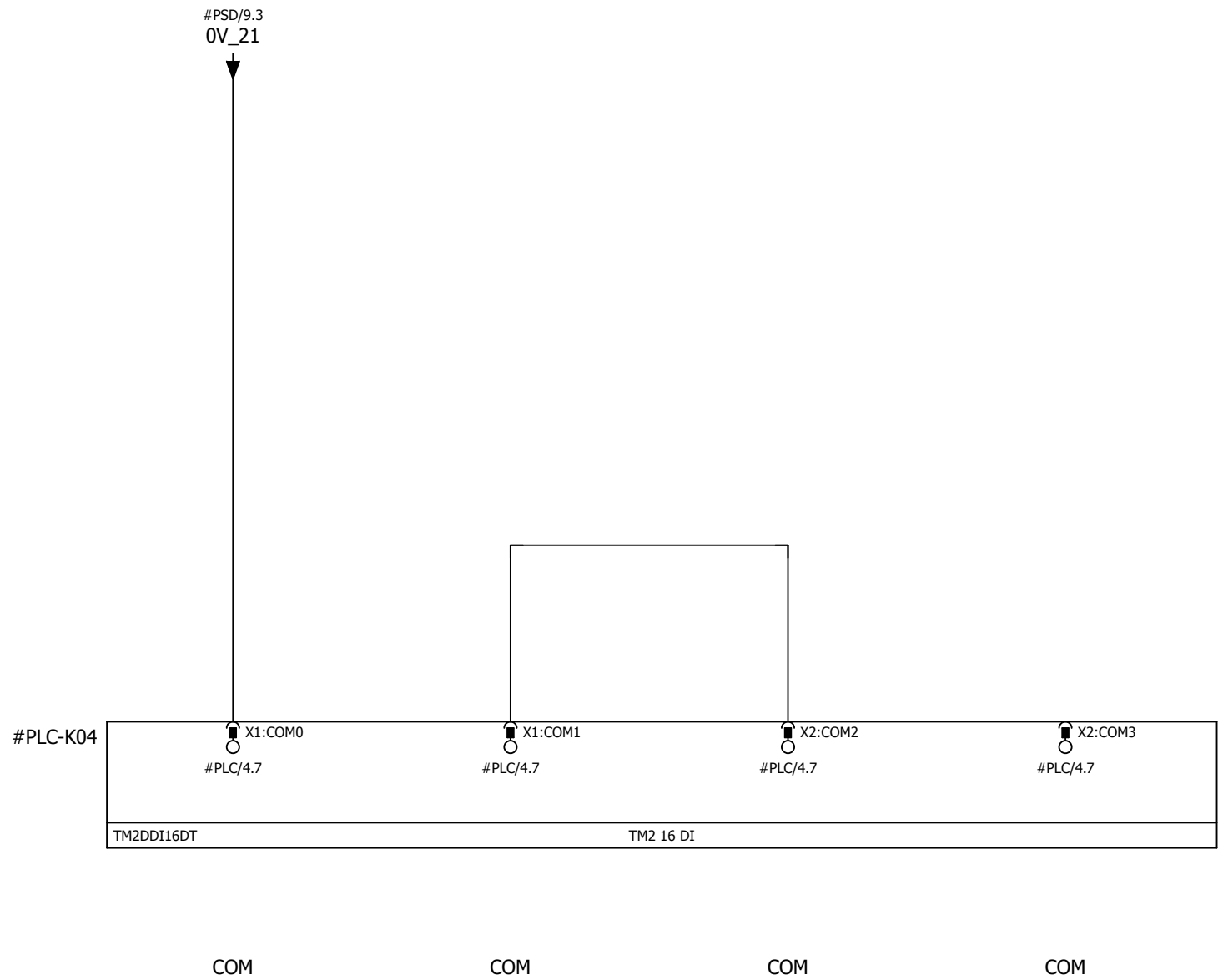
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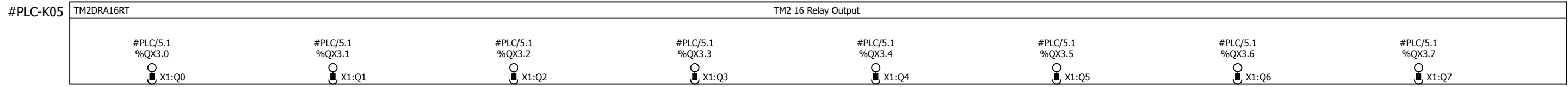
spare

spare

spare

spare





spare

spare

spare

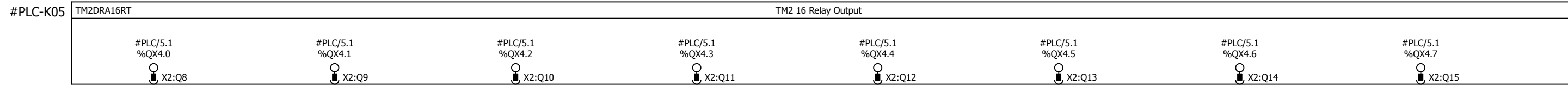
spare

spare

spare

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spare



spare

spare

spare


spare

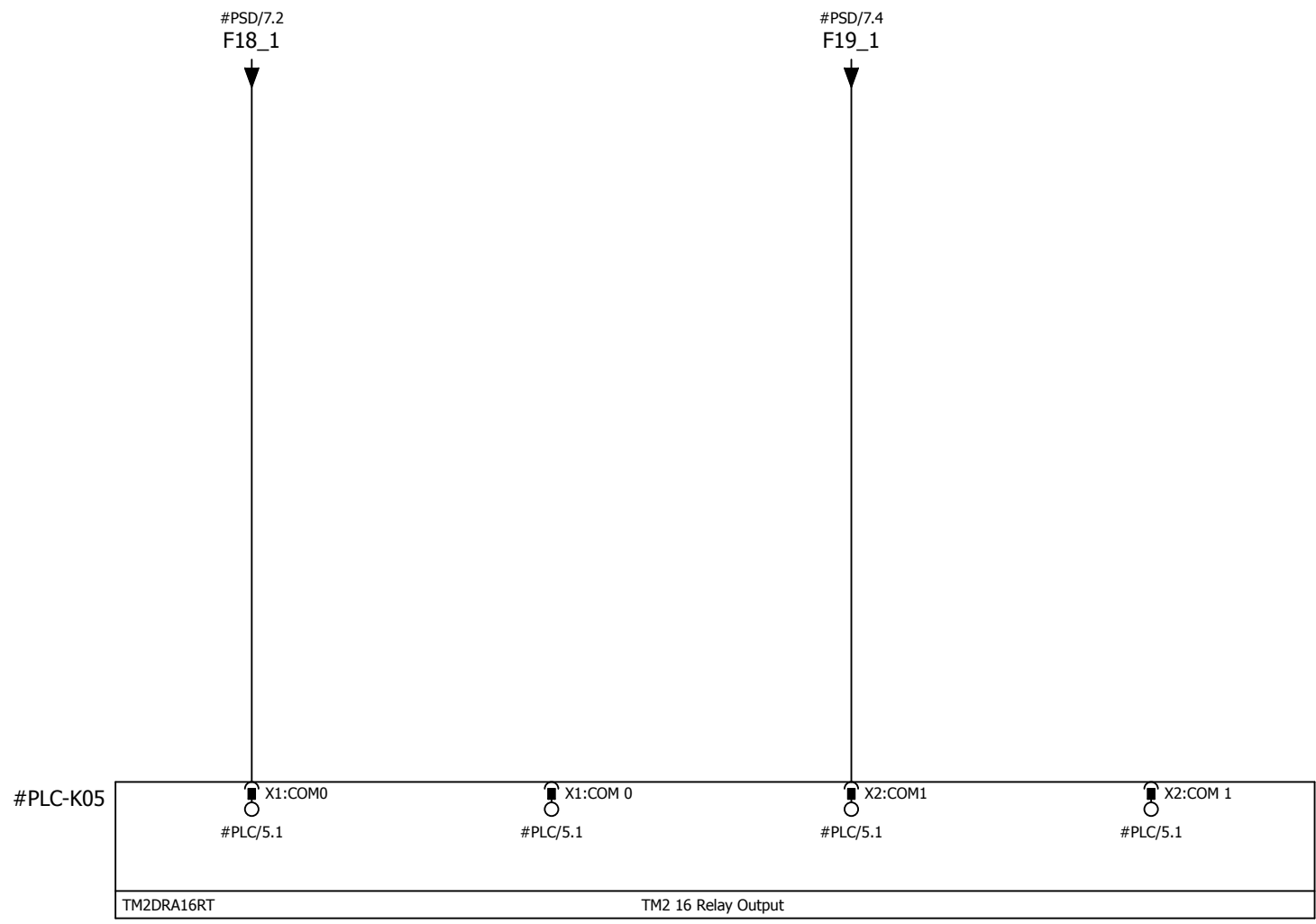
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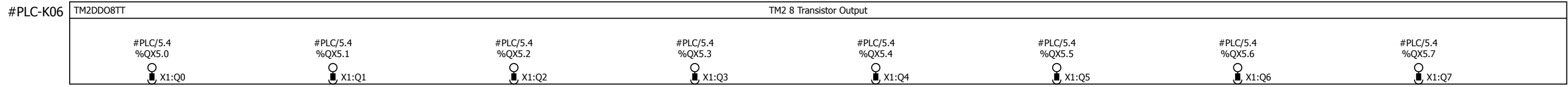
spare

spare

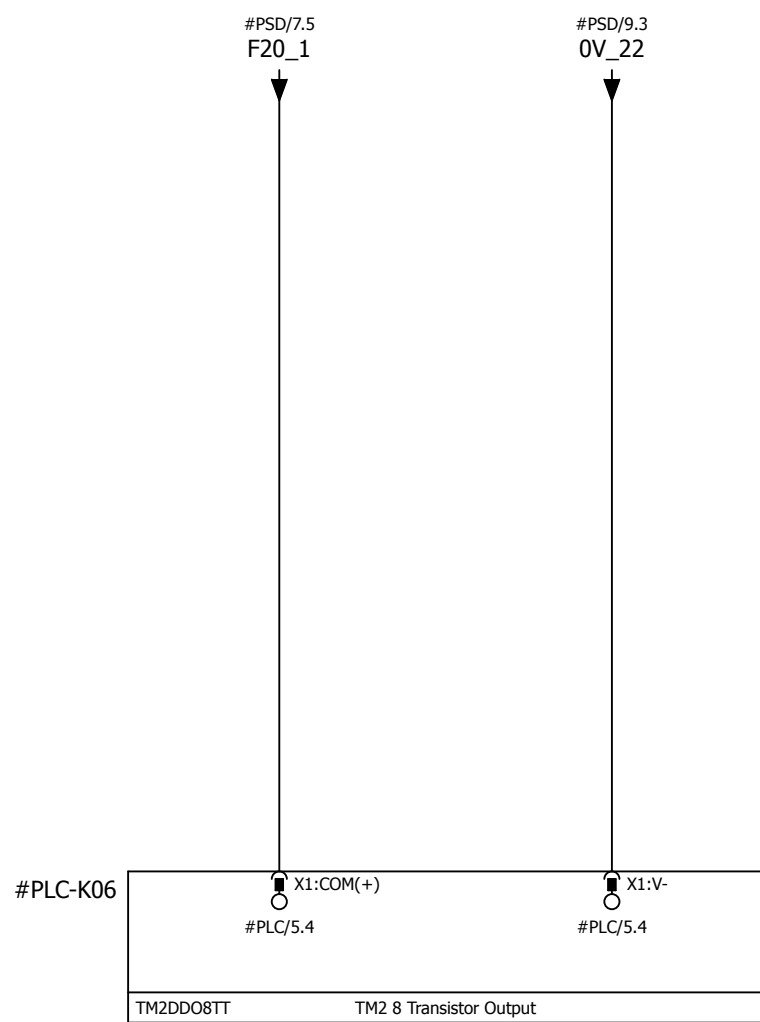
spare

			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		OTB I/O Island Digital Outputs		=WIRD	+MC
			Ed.	HKR	TVDA					#CTRL
Modification	Date	Name	Original	Replacement of	Replaced by				EIO0000001818.00	Page 17
									=WIRD+MC#CTRL/17	of 30



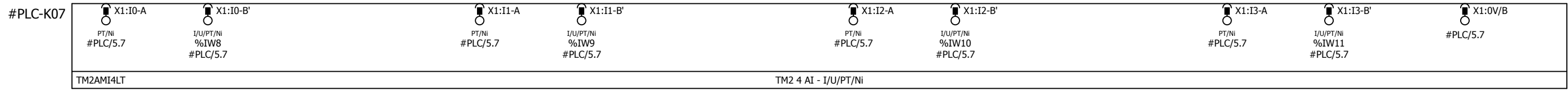


spare
spare
spare
spare
spare
spare
spare
spare



24Vdc DQ0-DQ7

0Vdc DQ0-DQ7

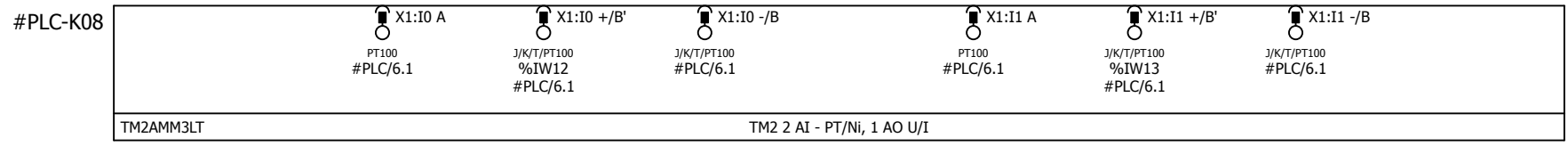
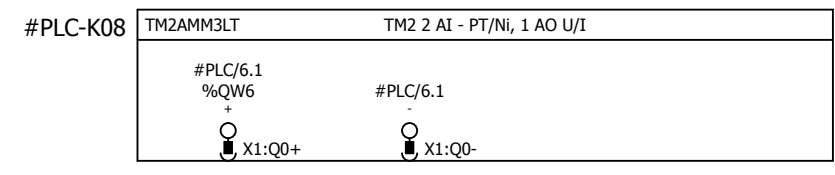


spare

spare

spare

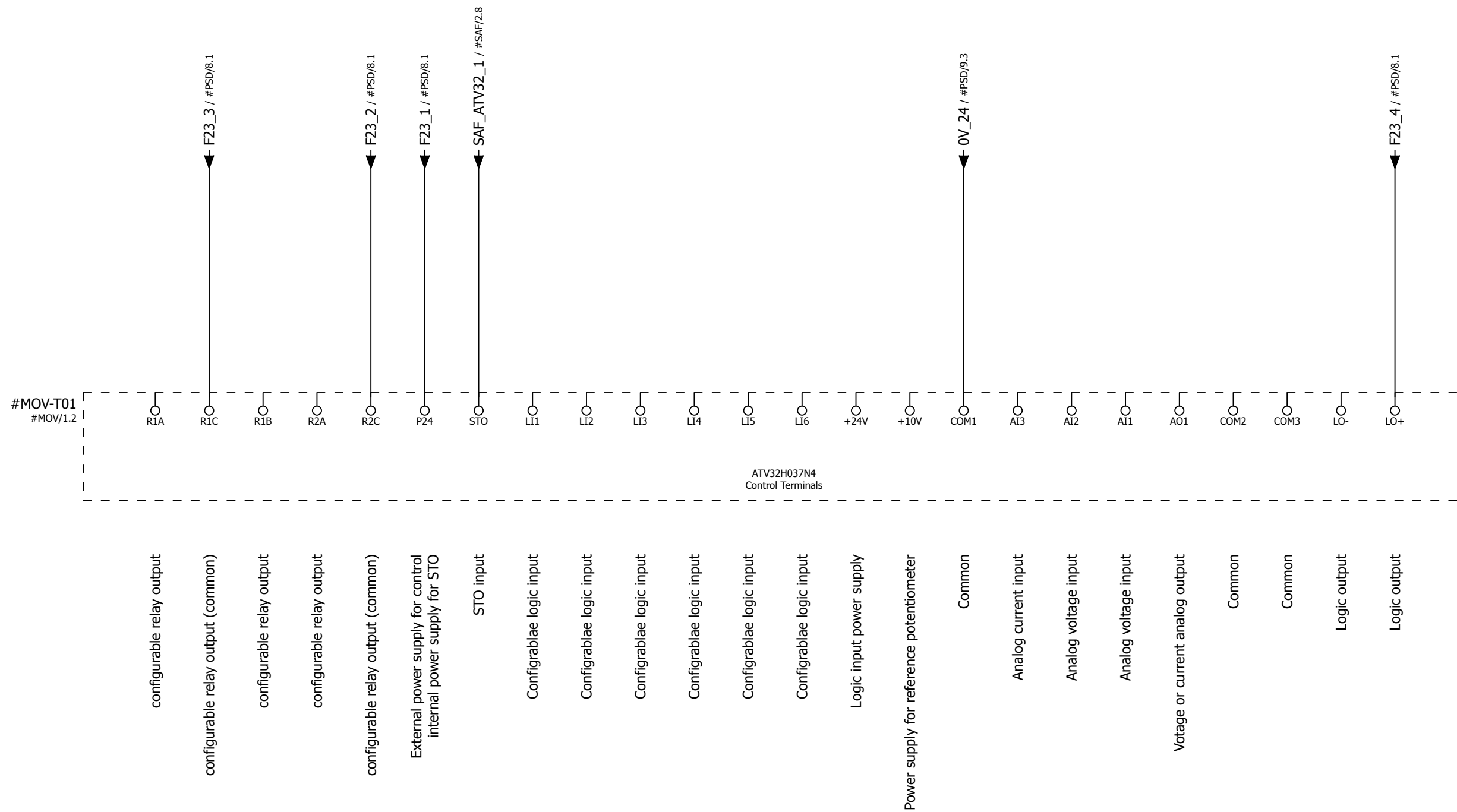
spare



spare

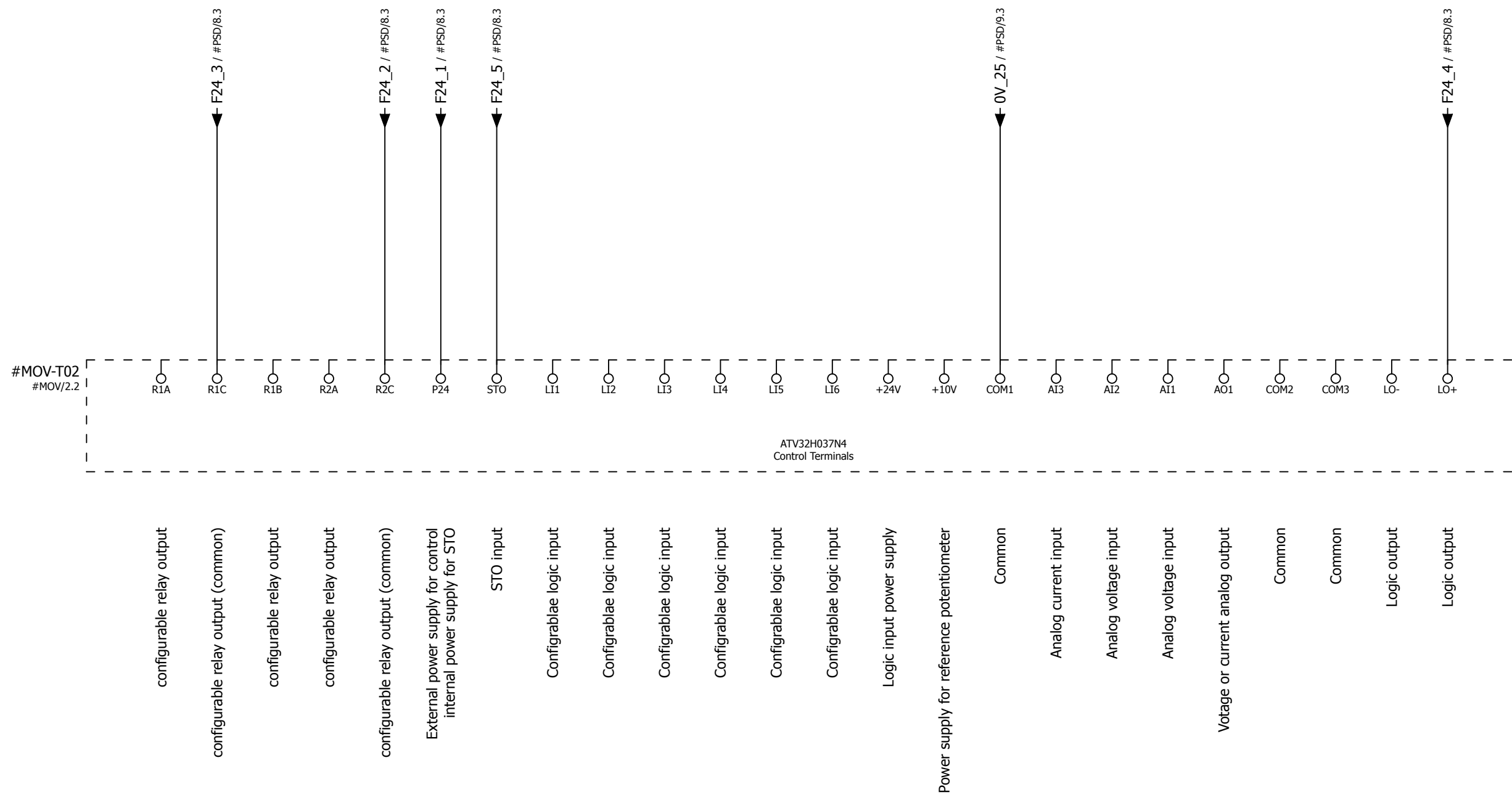
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spare

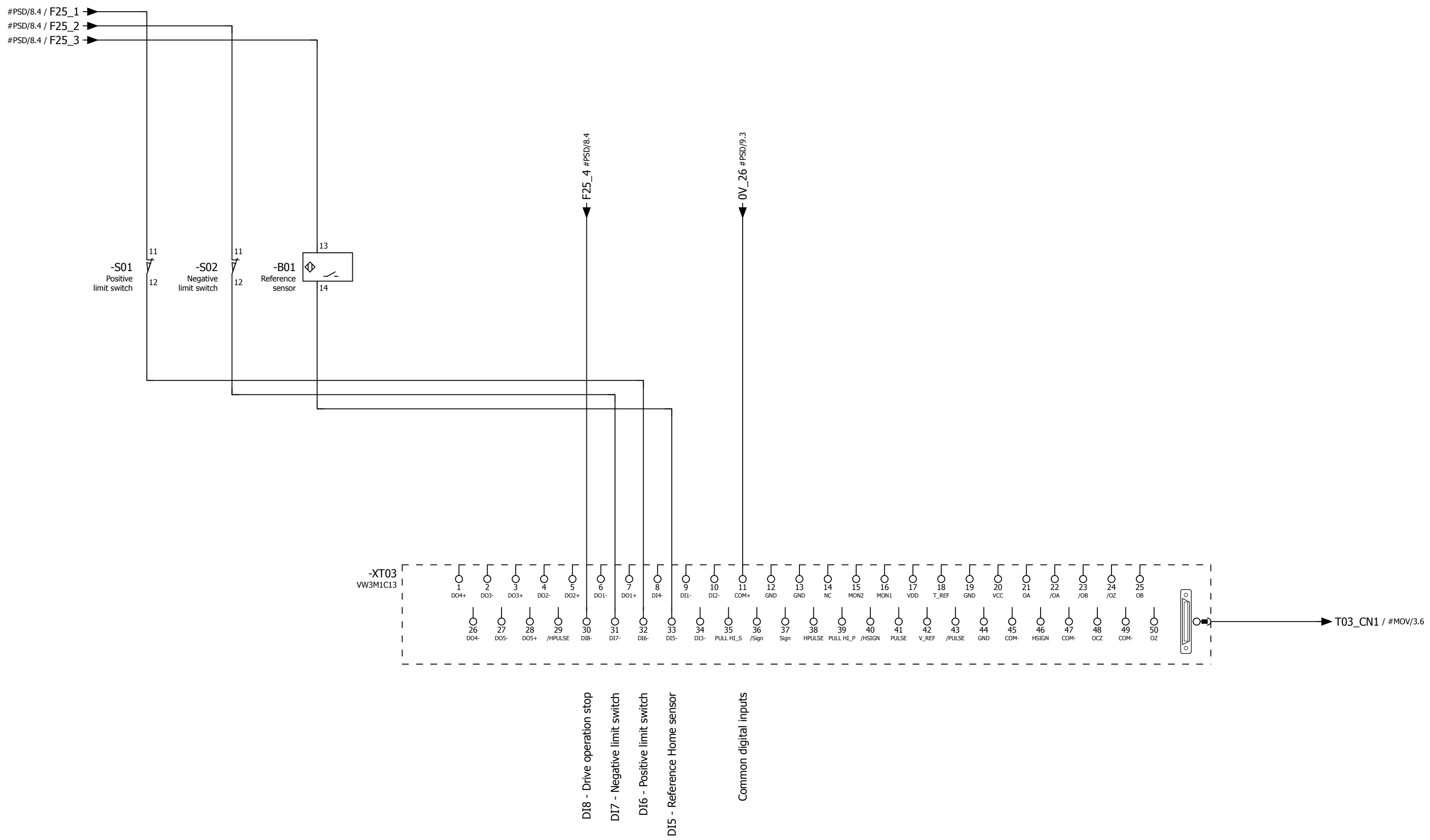


ATV32H037N4
Control Terminals

			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Drive 1 Control Terminals Altivar 32		=WIRD	+MC	
			Ed.	HKR	TVDA					#CTRL	
Modification	Date	Name	Original		Replacement of		Replaced by		EIO0000001818.00	Page	23
								=WIRD+MC#CTRL/23		of	30

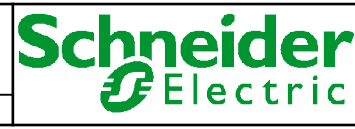


			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Drive 2 Control Terminals Altivar 32		=WIRD	+MC
			Ed.	HKR	TVDA					#CTRL
Modification	Date	Name	Original	Replacement of	Replaced by				EIO0000001818.00	Page 24
								=WIRD+MC#CTRL/24	of	30



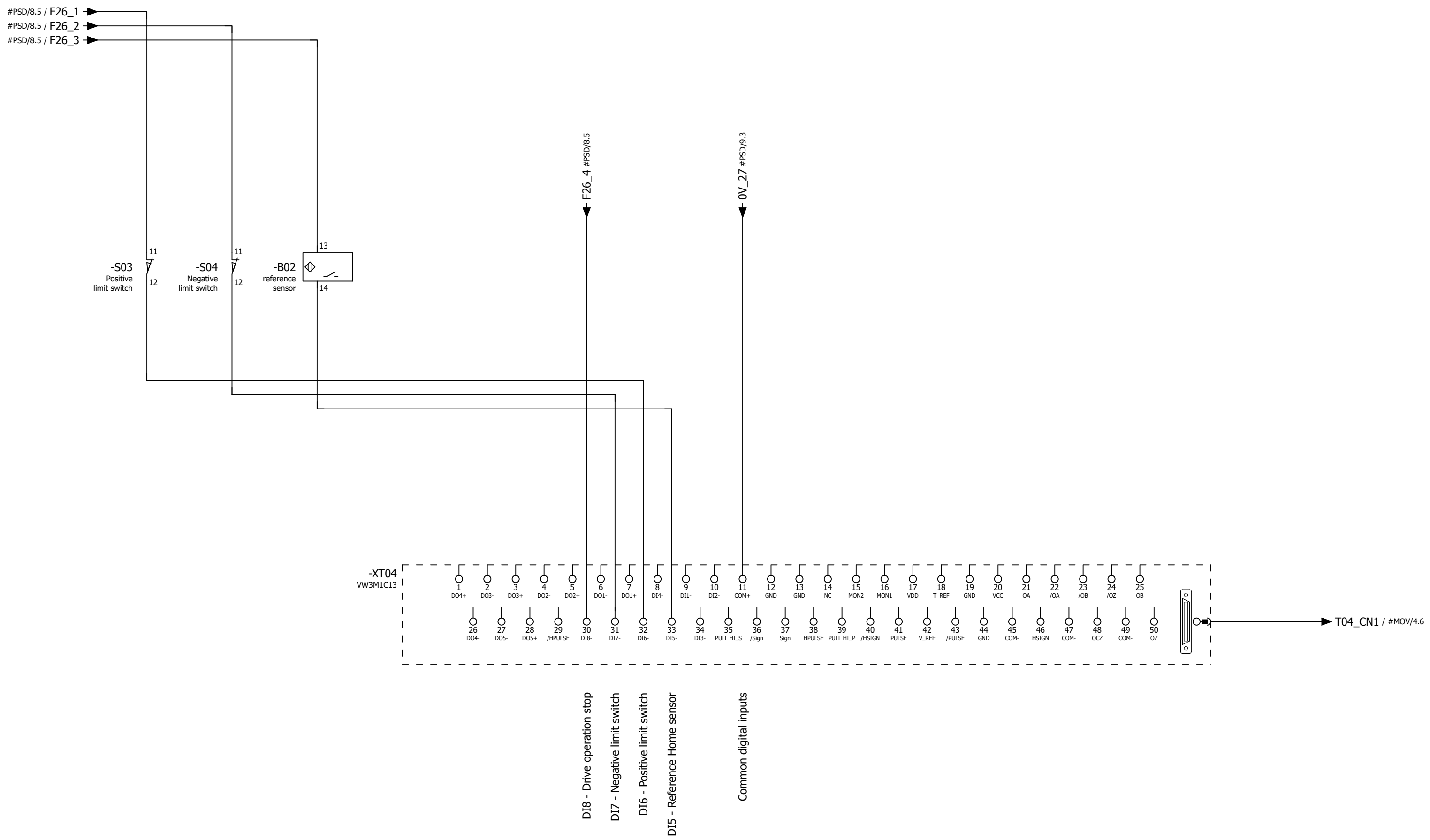
Positive limitswitch Negative limitswitch Reference sensor

Date	2015/02/17	Compact / CANopen / HMI Controller SCU	
Ed.	HKR	TVDA	
Appr		Replacement of	Replaced by
Modification	Date	Name	Original



Drive 3 - LXM28
Control Terminals - CN1 connection module

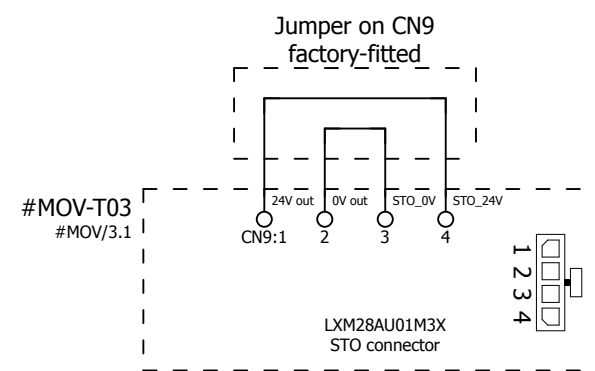
=WIRD		+MC
		#CTRL
EIO0000001818.00	Page	25
=WIRD+MC#CTRL/25		of 30



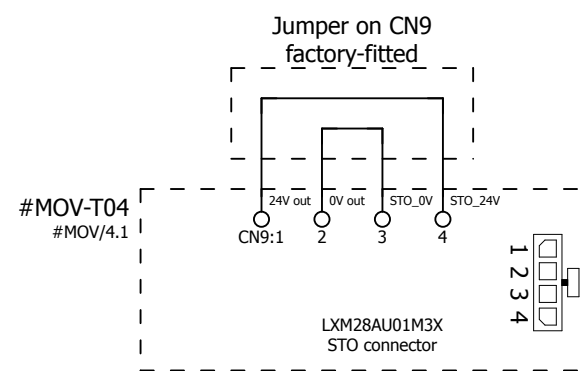
Positive limit switch Negative limit switch Reference sensor

DI8 - Drive operation stop
 DI7 - Negative limit switch
 DI6 - Positive limit switch
 DI5 - Reference Home sensor
 Common digital inputs

			Date	2015/02/17	Compact / CANopen / HMI Controller SCU			Drive 4 - LXM28				=WIRD		+MC
			Ed.	HKR	TVDA			Control Terminals - CN1 connection module						#CTRL
			Appr											Page
Modification	Date	Name	Original		Replacement of	Replaced by					EIO0000001818.00		=WIRD+MC#CTRL/26 of 30	



24Vdc output
0Vdc output
Safety function STO 0Vdc input
Safety function STO 24Vdc input



24Vdc output
0Vdc output
Safety function STO 0Vdc input
Safety function STO 24Vdc input

			Date	2015/03/24	Compact / CANopen / HMI Controller SCU
			Ed.	HKR	
			Appr		TVDA
Modification	Date	Name	Original		Replacement of
					Replaced by



Drive 3 & 4 - LXM28
STO connector - CN9

	=WIRD	+MC
		#CTRL
	EIO0000001818.00	Page 27
	=WIRD+MC#CTRL/27	of 30

#MOV-T06-Slot3
#MOV/6.1

VW3M9101
Lexium 32i

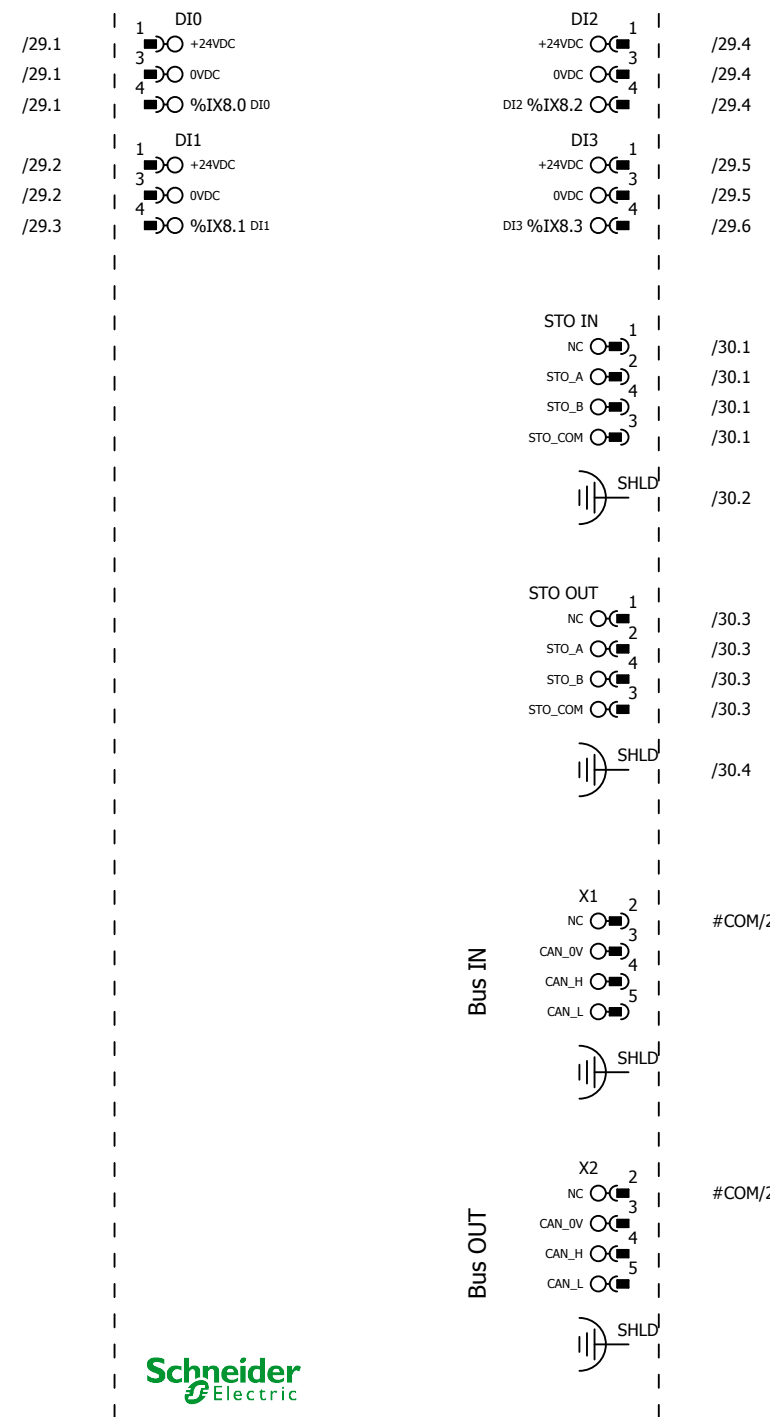
Addr.: ?

Positive limit switch

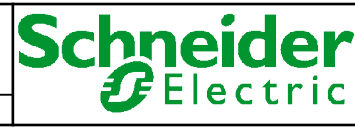
Negative limit switch

Reference sensor

Spare

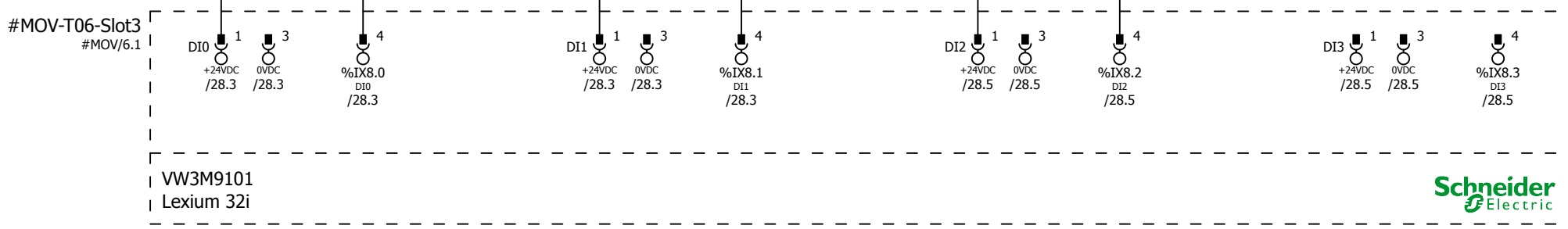
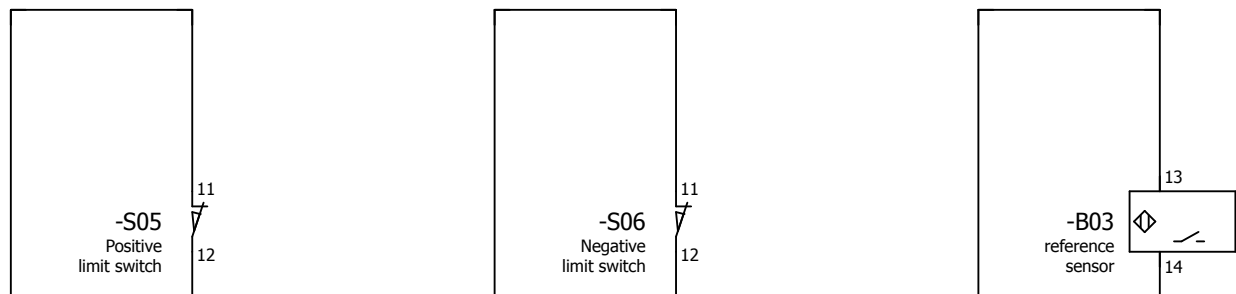


Date	2015/02/17	Compact / CANopen / HMI Controller SCU	
Ed.	HKR	TVDA	
Appr		Replacement of	Replaced by
Modification	Date	Name	Original



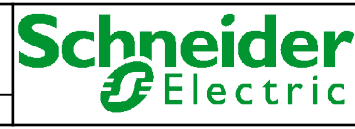
Drive 6 - LXM32i
I/O connector - Overview

=WIRD		+MC
		#CTRL
EIO0000001818.00	Page	28
=WIRD+MC#CTRL/28		of 30



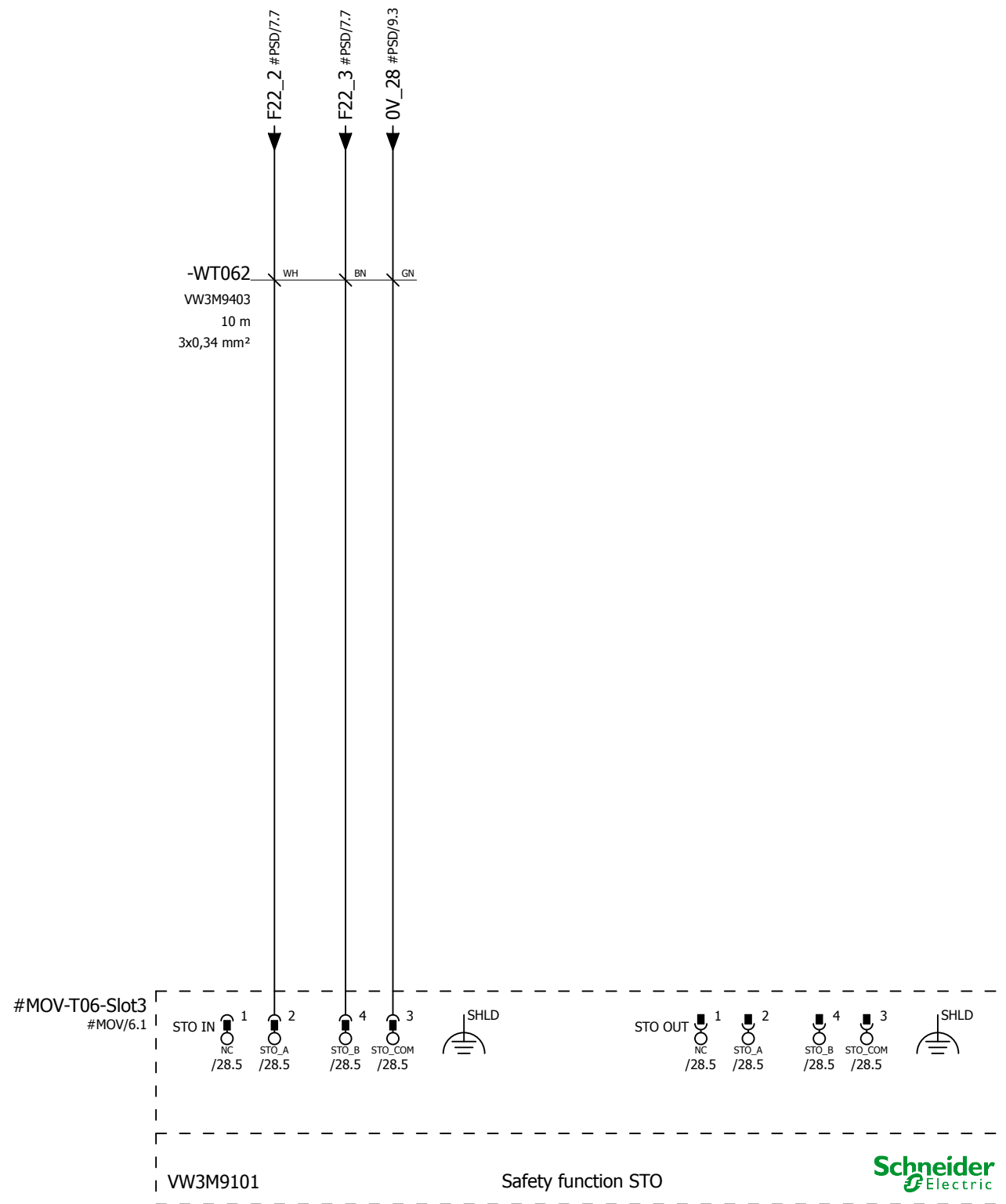
Positive limit switch Negative limit switch Reference sensor Spare

Date	2015/02/17	Compact / CANopen / HMI Controller SCU	
Ed.	HKR	TVDA	
Appr		Replacement of	Replaced by
Modification	Date	Name	Original

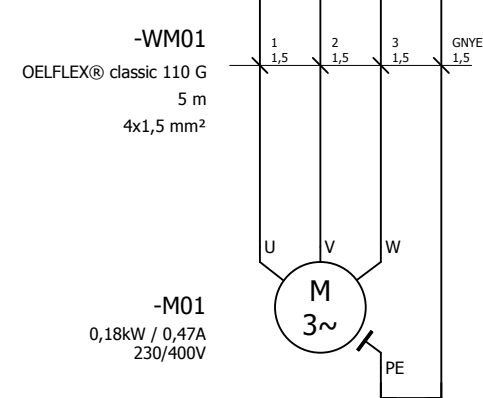
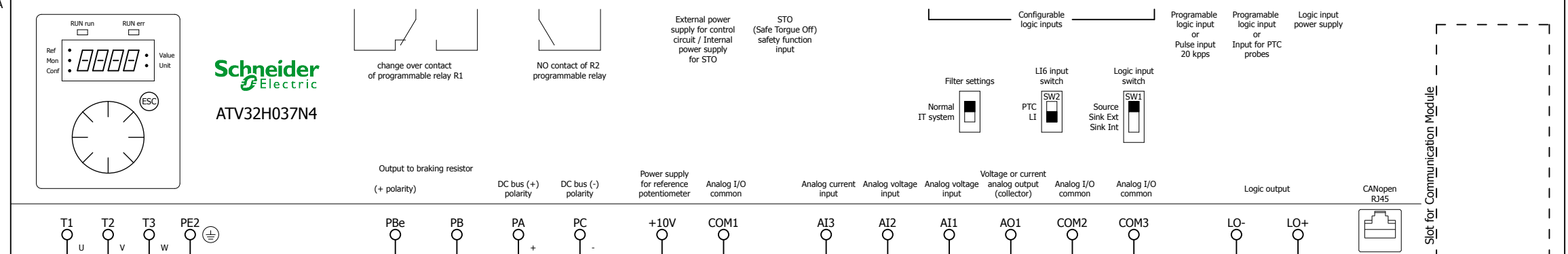
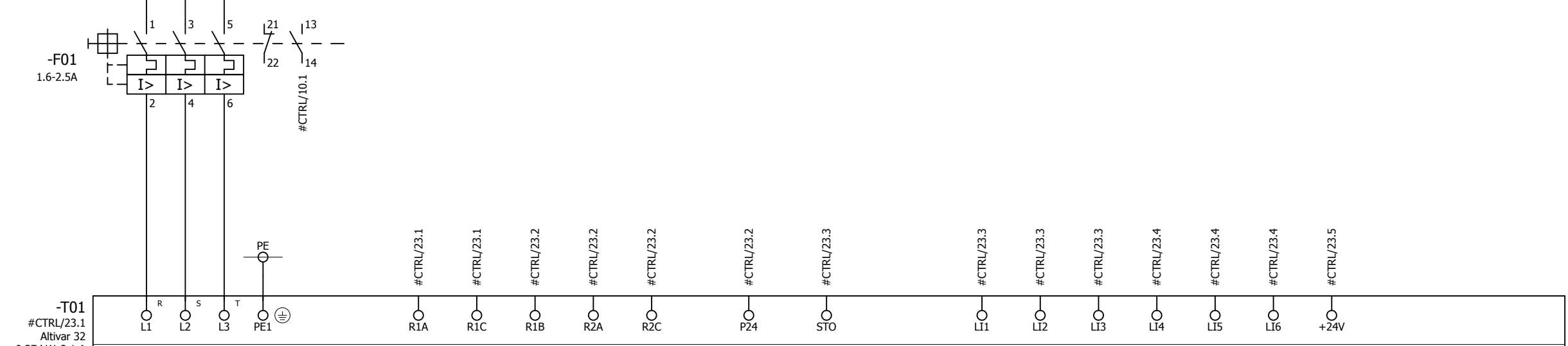
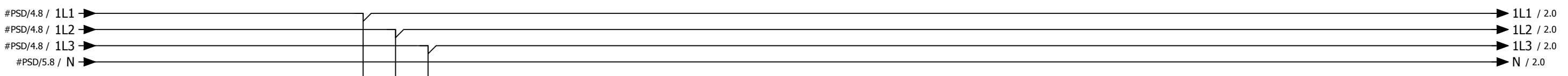


Drive 6 - LXM32i
I/O connector - digital Inputs

=WIRD		+MC
		#CTRL
EIO0000001818.00	Page	29
=WIRD+MC#CTRL/29		of 30



			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Drive 6 - LXM32i I/O connector - STO		=WIRD	+MC	
			Ed.	HKR	TVDA					#CTRL	
Modification	Date	Name	Original	Replacement of	Replaced by				EIO0000001818.00	Page	30
								=WIRD+MC#CTRL/30		of	30



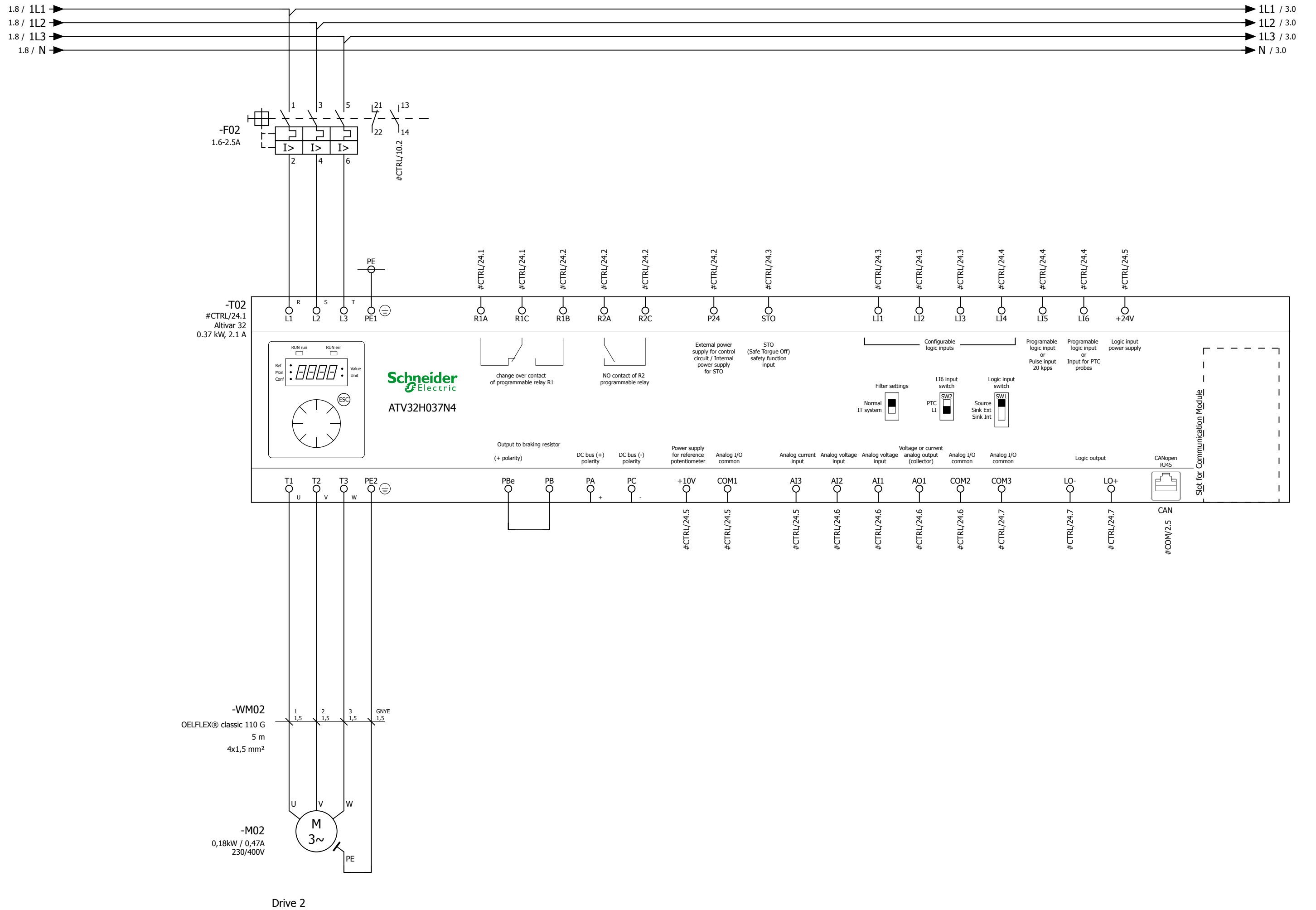
Drive 1

#CTRL/30

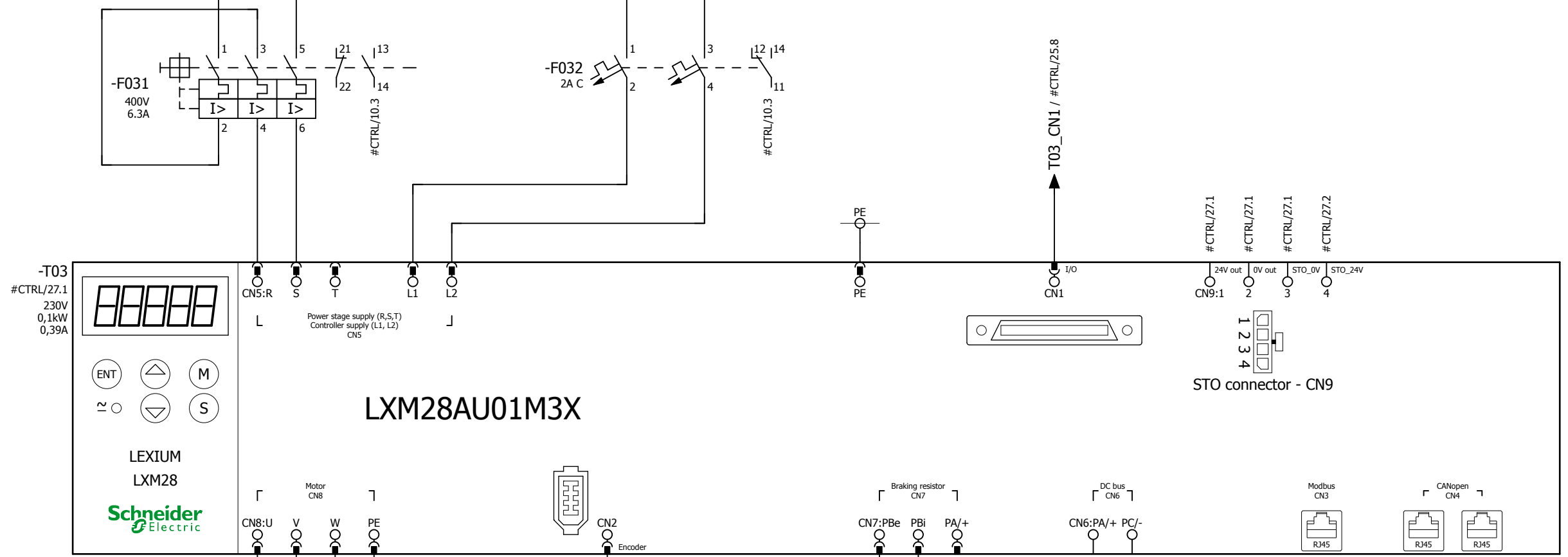
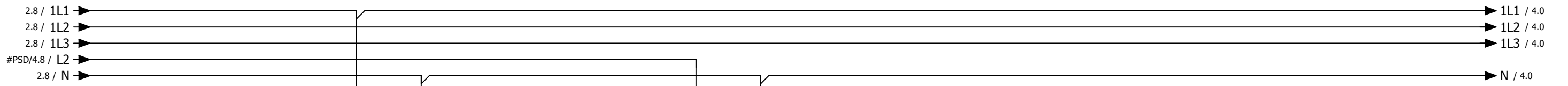
Date	2015/02/17	Compact / CANopen / HMI Controller SCU
Ed.	HKR	
Appr		TVDA
Modification	Date	Name
		Original
		Replacement of
		Replaced by



Drive 1
Variable speed drive Altivar 32



Date		2015/02/17		Compact / CANopen / HMI Controller SCU			Drive 2		=WIRD		+MC	
Ed.		HKR		TVDA			Variable speed drive Altivar 32				#MOV	
Appr				Replacement of					EIO0000001818.00		Page 2	
Modification	Date	Name	Original		Replaced by					=WIRD+MC#MOV/2		of 7

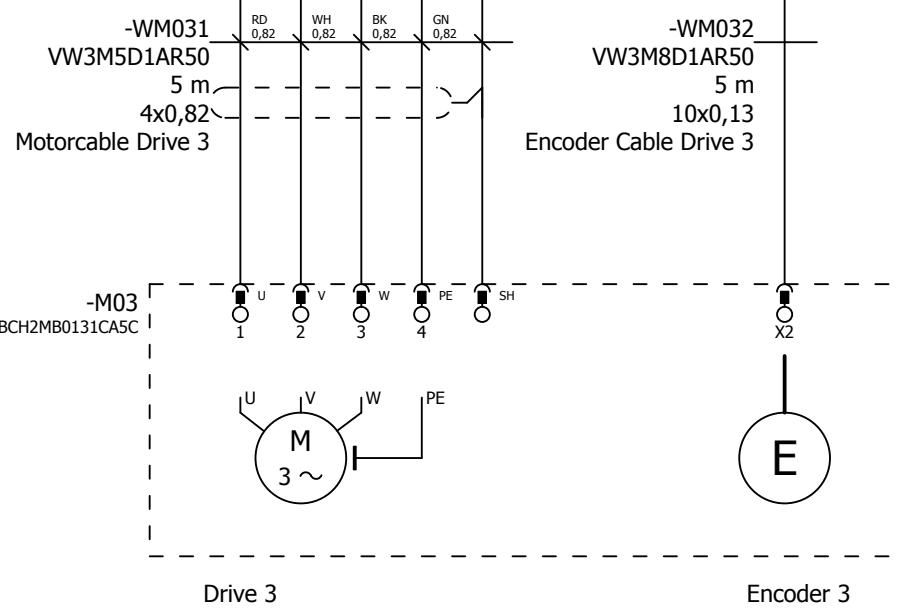


-T03
#CTRL/27.1
230V
0,1kW
0,39A

ENT M
S

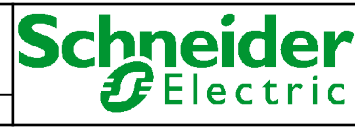
LEXIUM
LXM28
Schneider Electric

Power stage supply (R,S,T)
Controller supply (L1, L2)
CNS



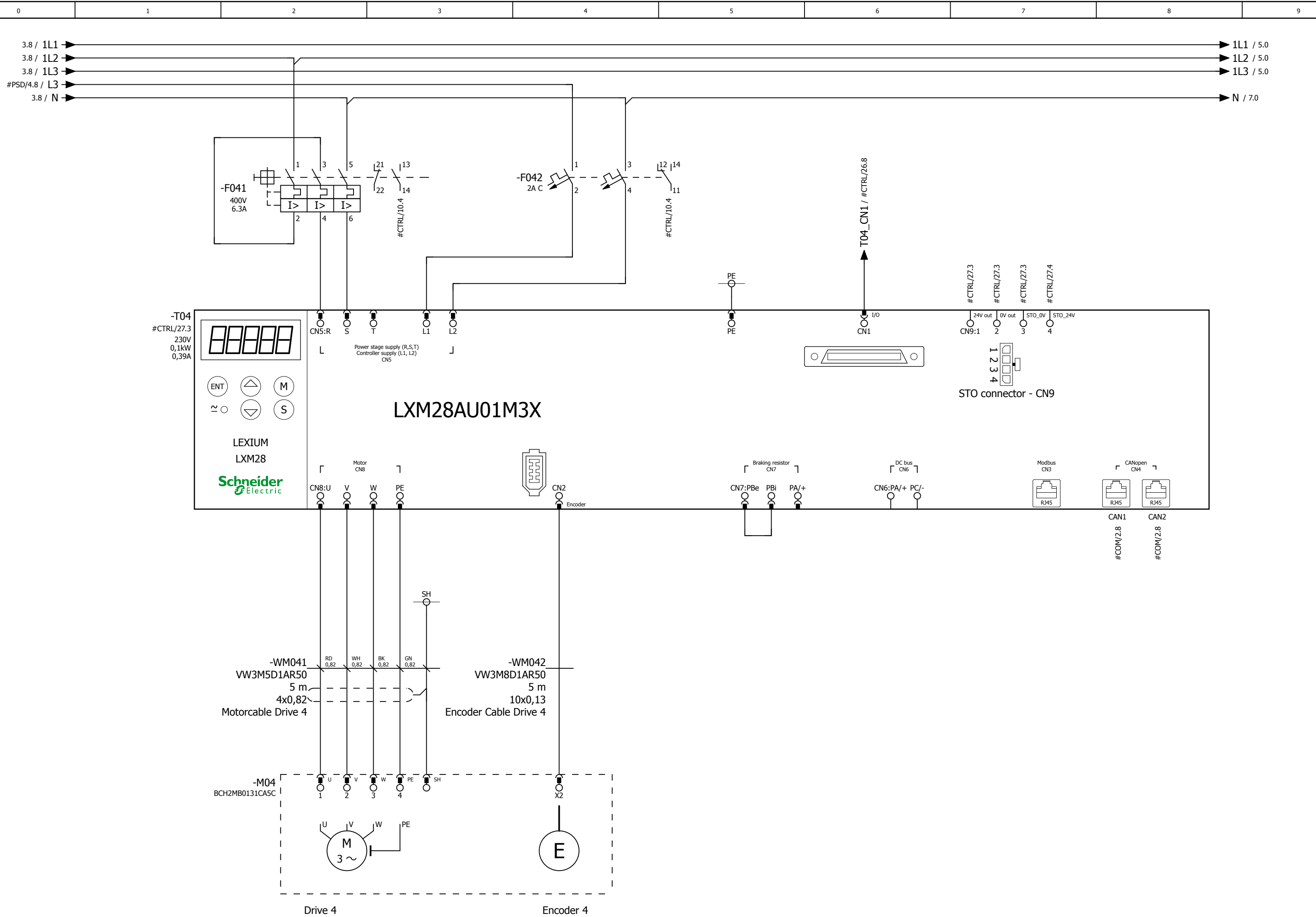
Drive 3 Encoder 3

Date	2015/03/11	Compact / CANopen / HMI Controller SCU
Ed.	HKR	
Appr		TVDA
Modification	Date	Name
		Original
		Replacement of
		Replaced by

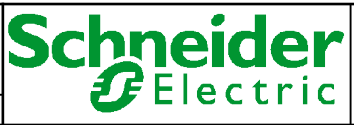


Drive 3
Servo drive Lexium 28

=WIRD		+MC
		#MOV
EIO0000001818.00	Page	3
=WIRD+MC#MOV/3		of 7

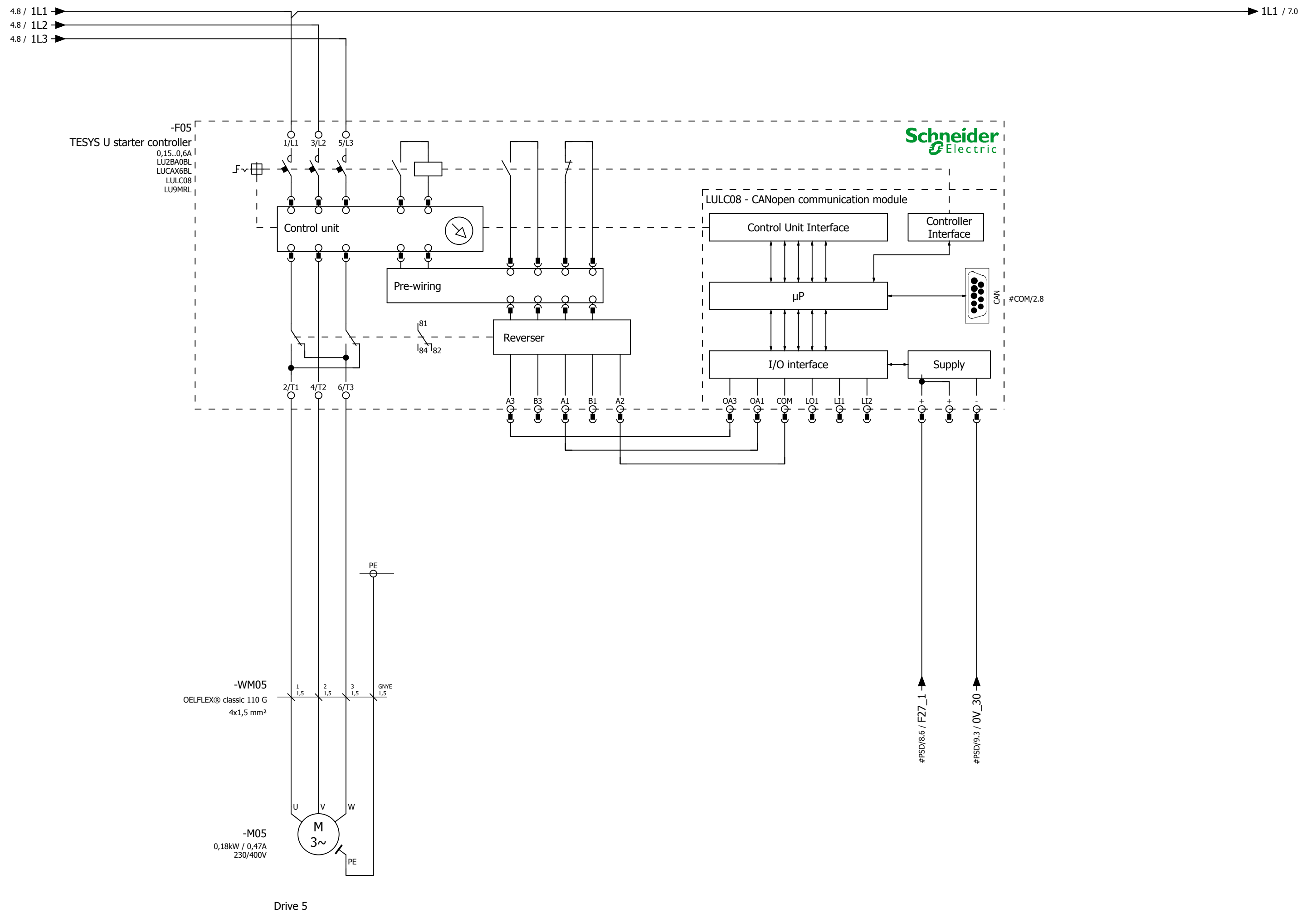


Date	2015/03/11	Compact / CANopen / HMI Controller SCU
Ed.	HKR	
Appr.		TVDA
Modification	Date	Name
	Original	Replacement of
		Replaced by

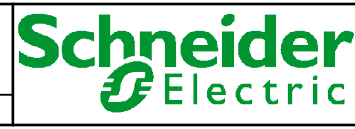


Drive 4
Servo drive Lexium 28

=WIRD		+MC
		#MOV
EIO0000001818.00	Page	4
=WIRD+MC#MOV/4		of
		7

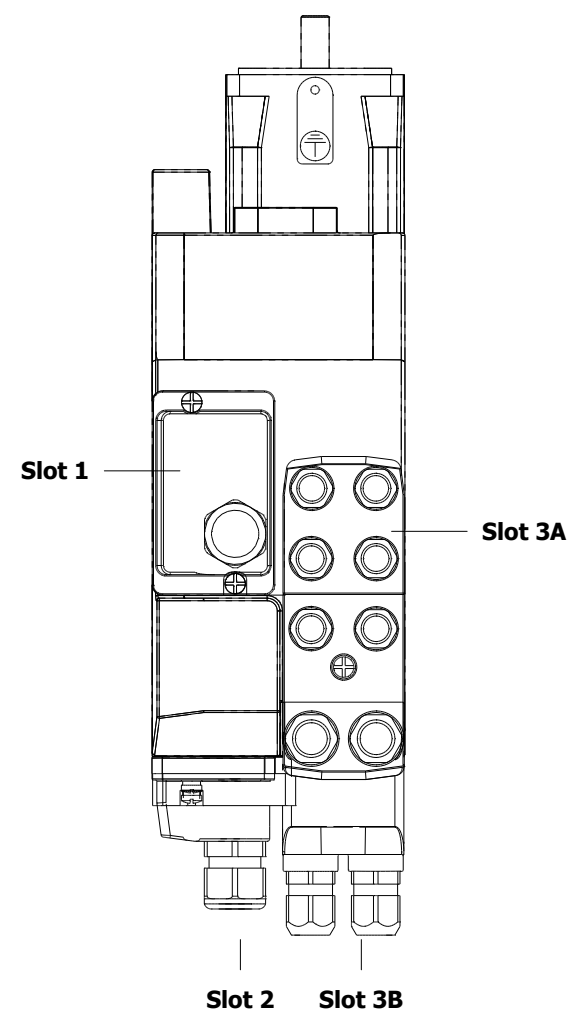
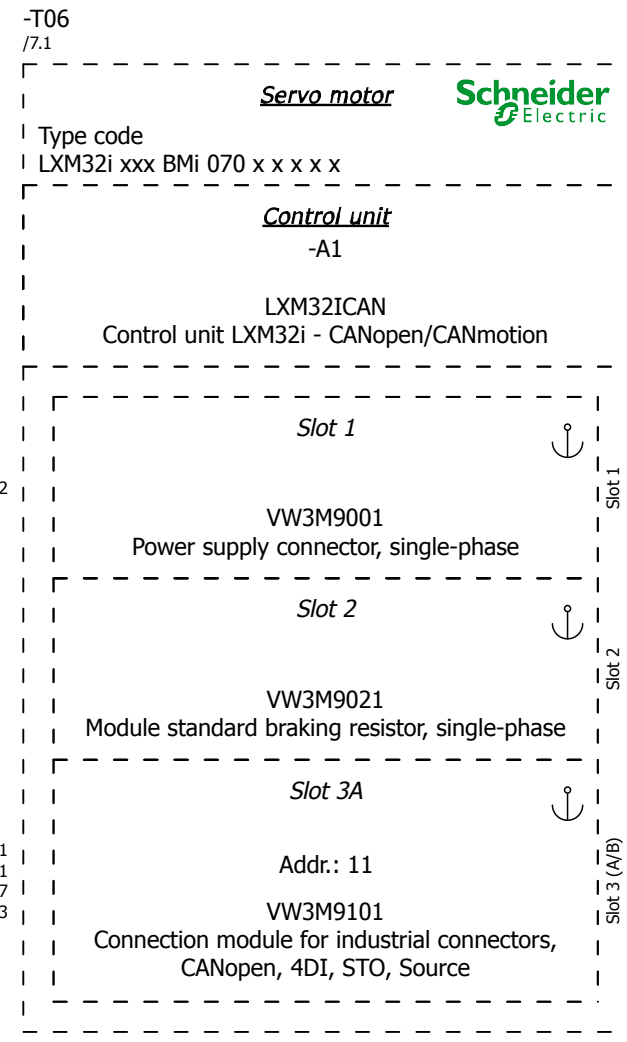


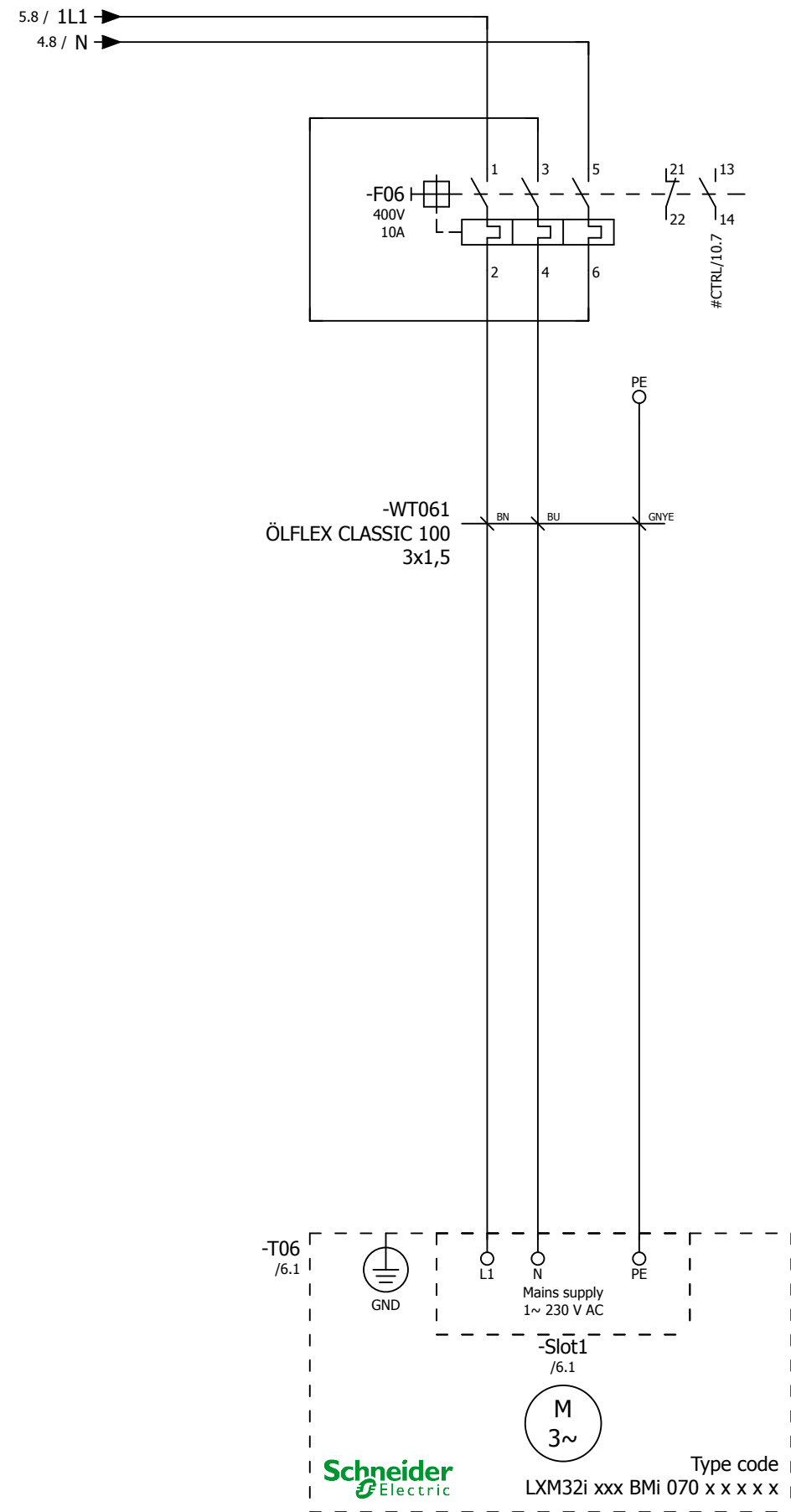
Date	2015/02/17	Compact / CANopen / HMI Controller SCU
Ed.	HKR	
Appr		TVDA
Modification	Date	Name
		Original
		Replacement of
		Replaced by



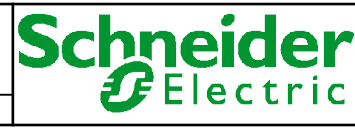
Drive 5
TeSys U Motor Starter Controller

=WIRD		+MC
		#MOV
EIO0000001818.00	Page	5
=WIRD+MC#MOV/5		of
		7



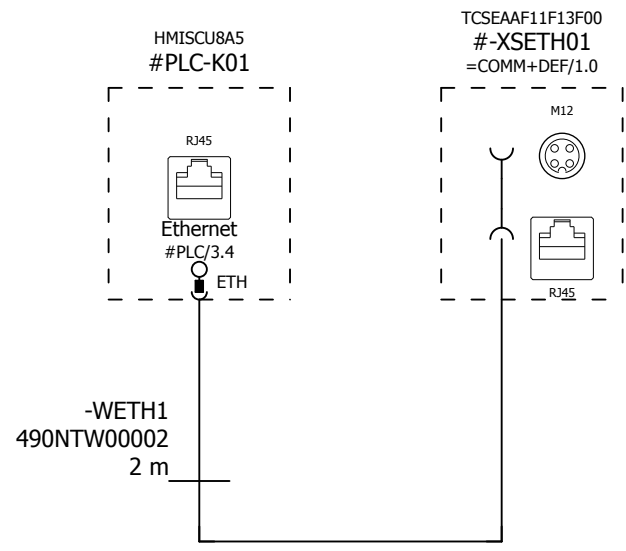


Date	2015/02/17	Compact / CANopen / HMI Controller SCU
Ed.	HKR	
Appr		TVDA
Modification	Date	Name
		Original
		Replacement of
		Replaced by

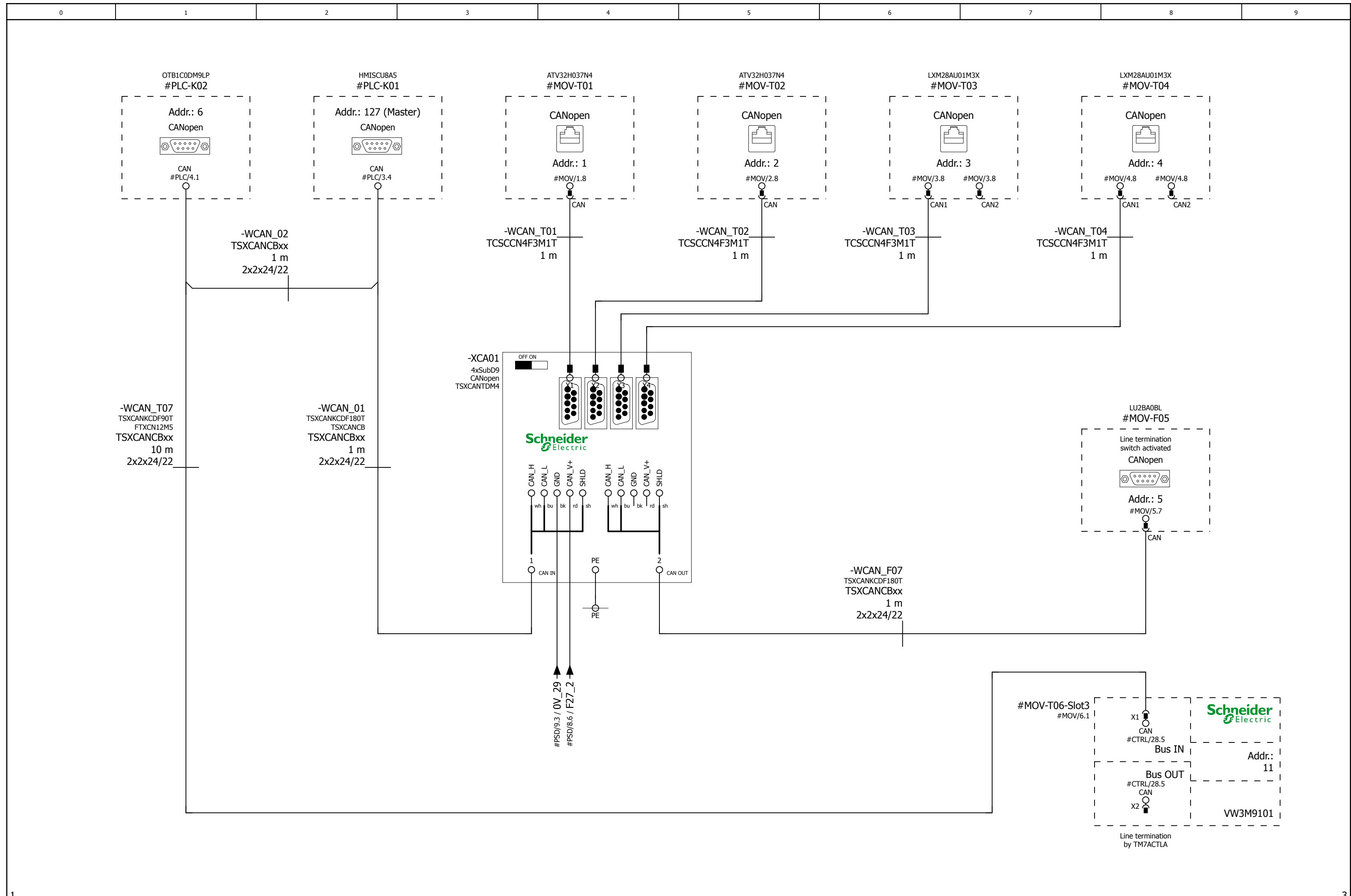


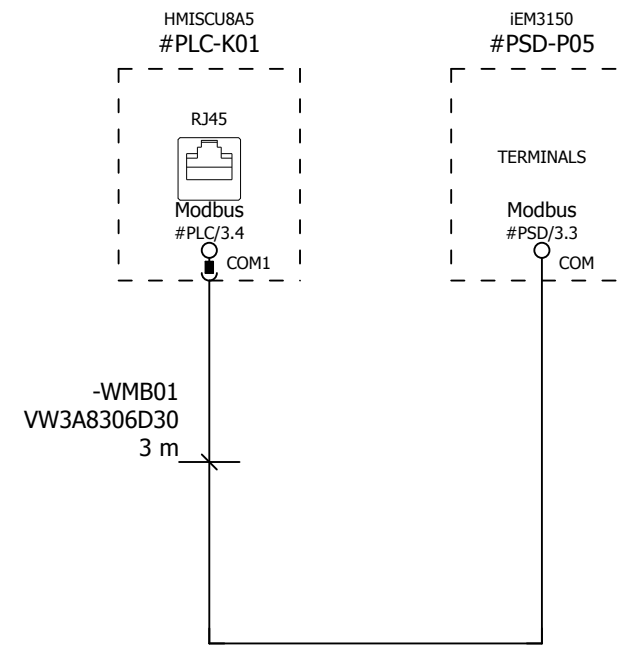
Drive 6
Servo drive Lexium 32i - Power module

=WIRD		+MC
		#MOV
EIO0000001818.00	Page	7
=WIRD+MC#MOV/7		of 7



			Date	2015/02/17	Compact / CANopen / HMI Controller SCU		Ethernet topology		=WIRD	+MC	
			Ed.	HKR						#COM	
			Appr		TVDA					Page	1
Modification	Date	Name	Original		Replacement of	Replaced by		EIO0000001818.00	=WIRD+MC#COM/1	of	3





VW3A8603D30 - wiring		
RJ45	color	iEM3150
1	wh/gn	nc
2	gn	nc
3	wh/or	nc
4	bu	D1
5	wh/bu	D0
6	or	nc
7	wh/bn	nc
8	bn	GND