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Circuit diagram

Customer :
 Plant designation : PA-CONTROL 4 Compact Var. G
 Project number : 1033746

Type : Variante G
 Manufacturing date : 2002
 Incoming supply : 230V/50Hz/16A
 Feeding : 3x1,5mm²
 Fuse protection : 16A
 Control voltage : 24V

Created on : 16.12.02 Highest Page No. : 22
 Project leader : A.Pfeiffer
 Last changed : 29.06.05
 Editor : VOL

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System:	Place:			PA-CONTROL 4 Compact Var. G			

Modification information

WUPB002D 24.02.1994

No.	Date	Editor	Modifications	Short name	Page

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Directory

WUPJ0010 24. 02. 1994

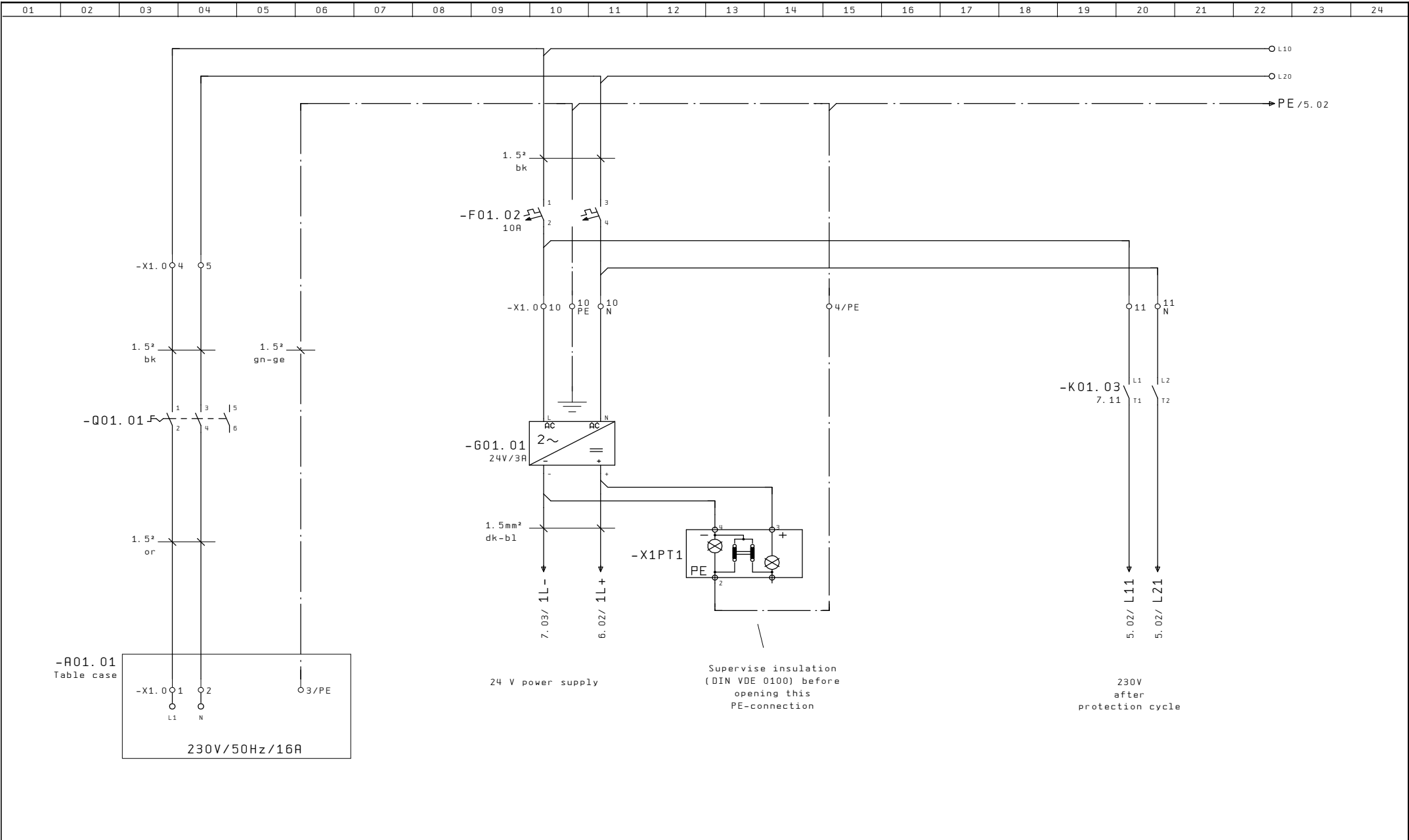
Page	Page description	Additional page field	Date	Editor
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18	Power card 2 A2-axis 2 phase stepper motor		29. 06. 2005	VOL
19	Power card 1 A1-axis 5-phase stepper motor		29. 06. 2005	VOL
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21	Assembly mounting plate		29. 06. 2005	VOL
22	Assembly control panel		29. 06. 2005	VOL

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Main connection - 24V Power supply

PA-CONTROL 4 Compact Var. G

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-A01. 20
8. 02

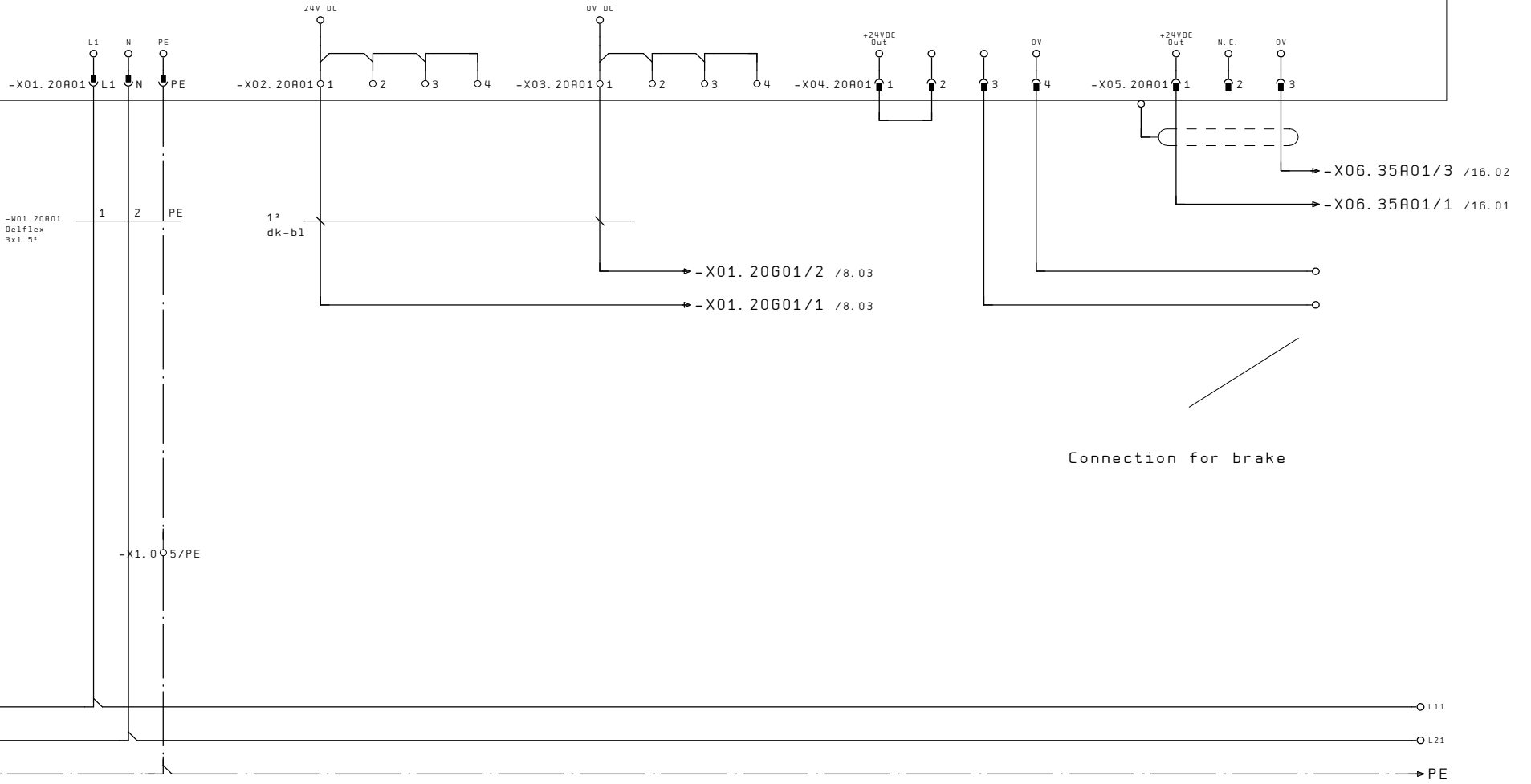
PA-CONTROL Compact

(X1. 1)
Power supply 230V/50Hz

(X1. 20/X1. 21)
Power supply 24VDC/3A

(X5)
Brake

(X1. 4)
24V Limit switch



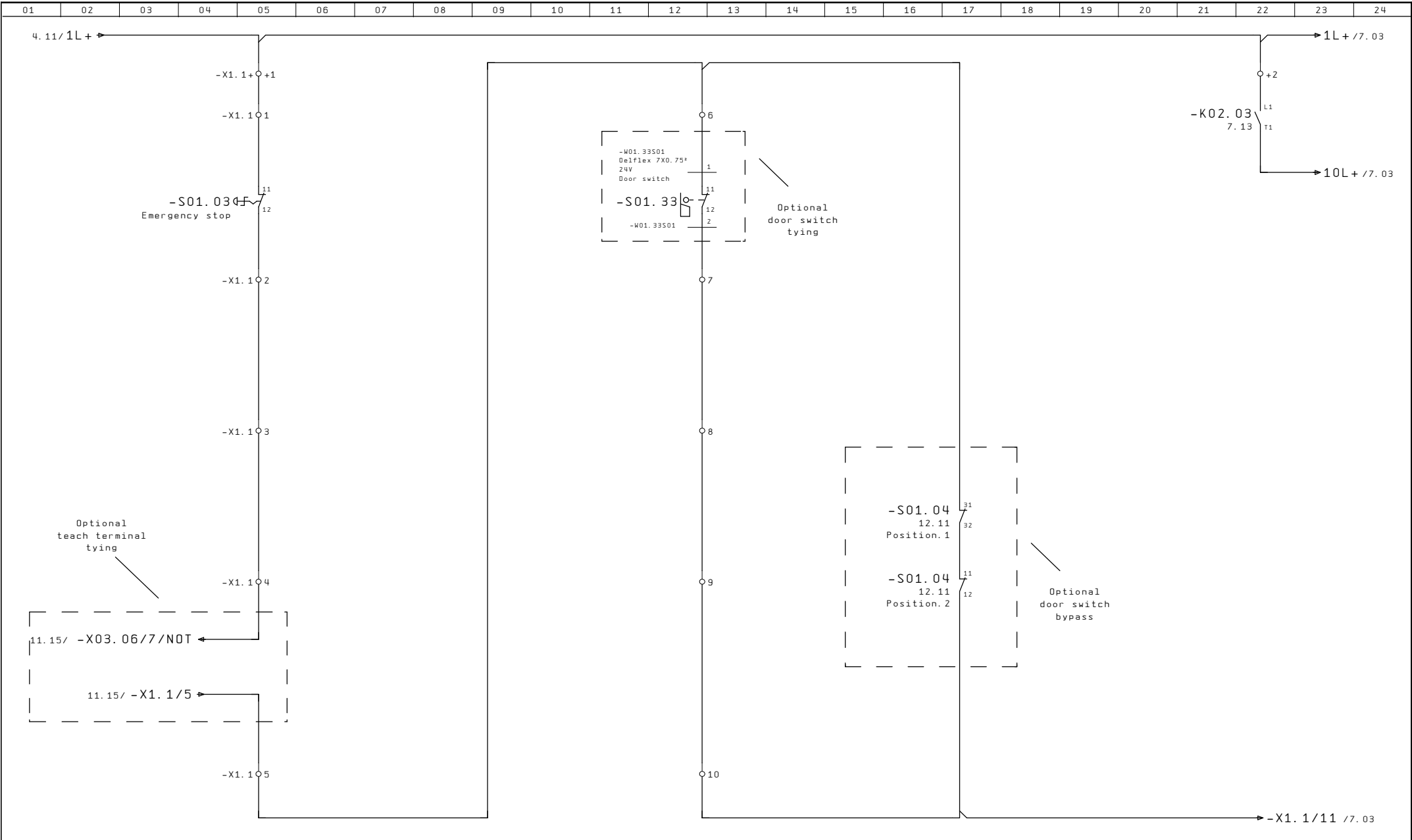
Connection for brake

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Power supply PA-CONTROL Compact	
PA-CONTROL 4 Compact Var. G	

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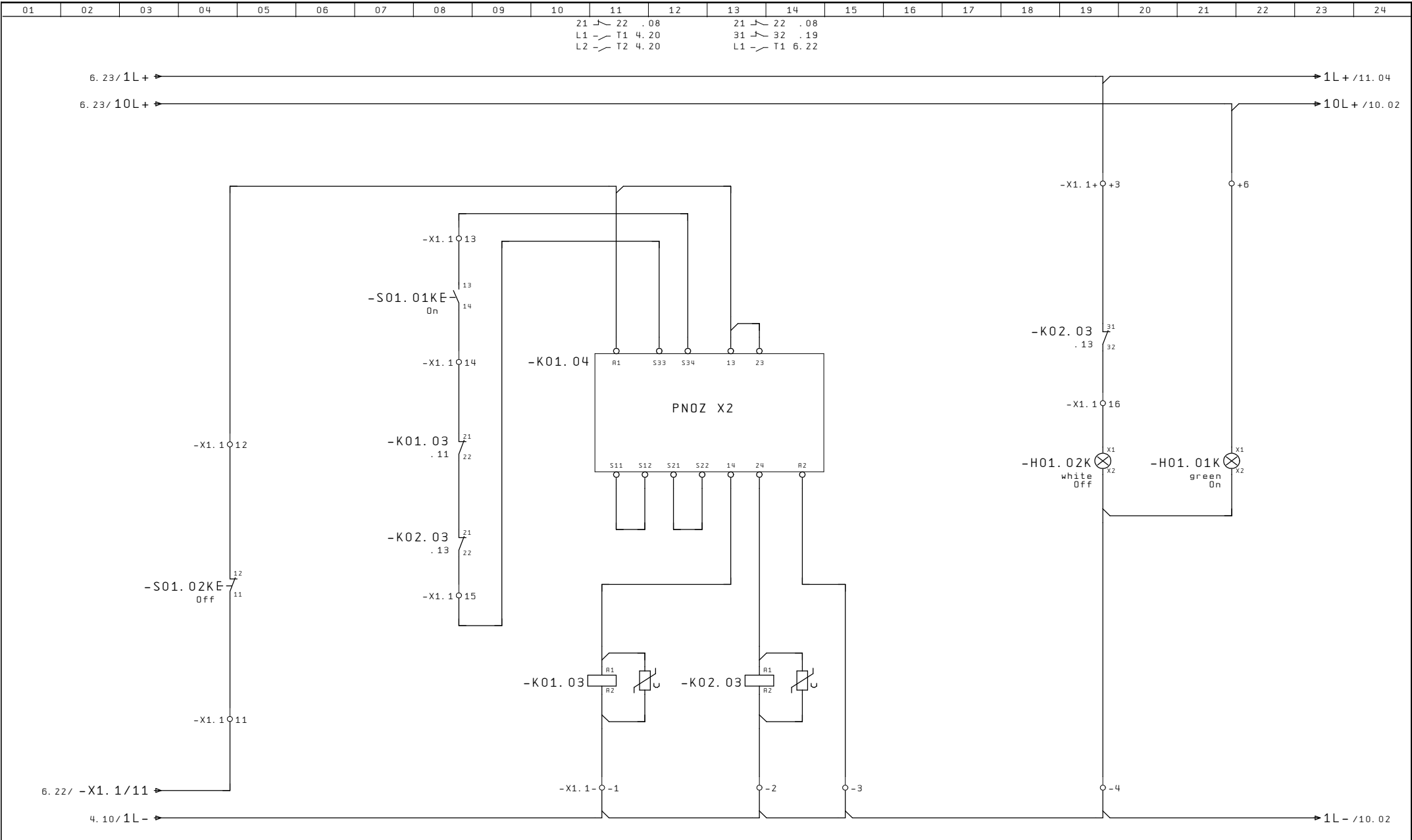


Emergency stop + doors
PA-CONTROL 4 Compact Var. G

Customer	
Final customer	

Drawing-no. IEF	1033746
Drawing-no. customer	

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Editor	Date	 WERNER	Protection circle	Customer	Drawing-no. IEF	Page no.
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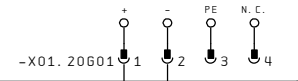
-R01.20
5.02

PA-CONTROL Compact

-G01.20

NT8

(X1.3)
24V IN




-X01.20G01

-W01.20G01
Unitronic-FD CY
3X0.5²
24V
PA-CONTROL

bn bu

5.13/ -X01.20G01/1 ▶

5.13/ -X01.20G01/2 ▶

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PA-CONTROL Compact CPU-Power supply

Customer

Drawing-no. IEF

Page no.

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8

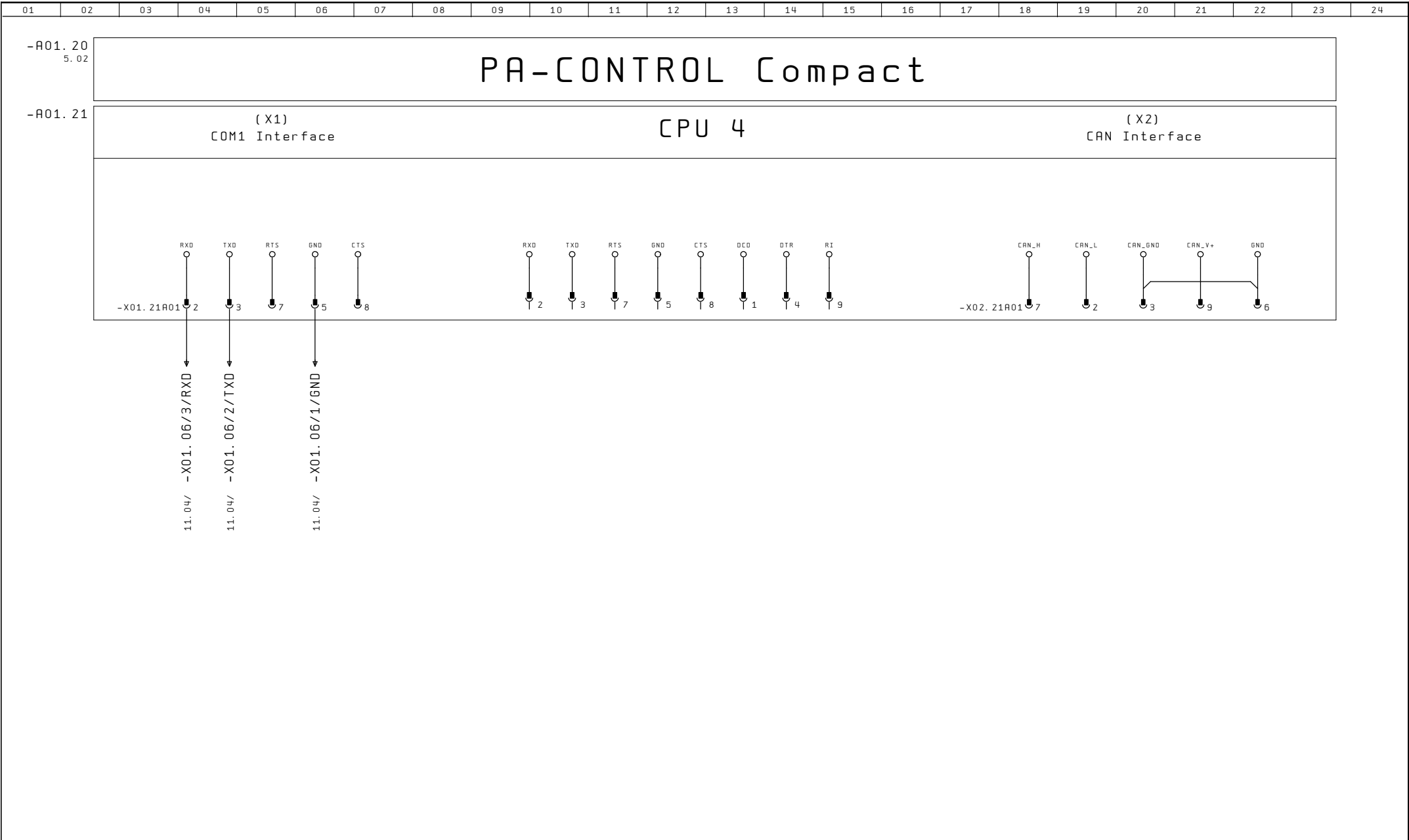
Final customer

Drawing-no. customer

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PA-CONTROL 4 Compact Var. G

22



-A01.20
5.02

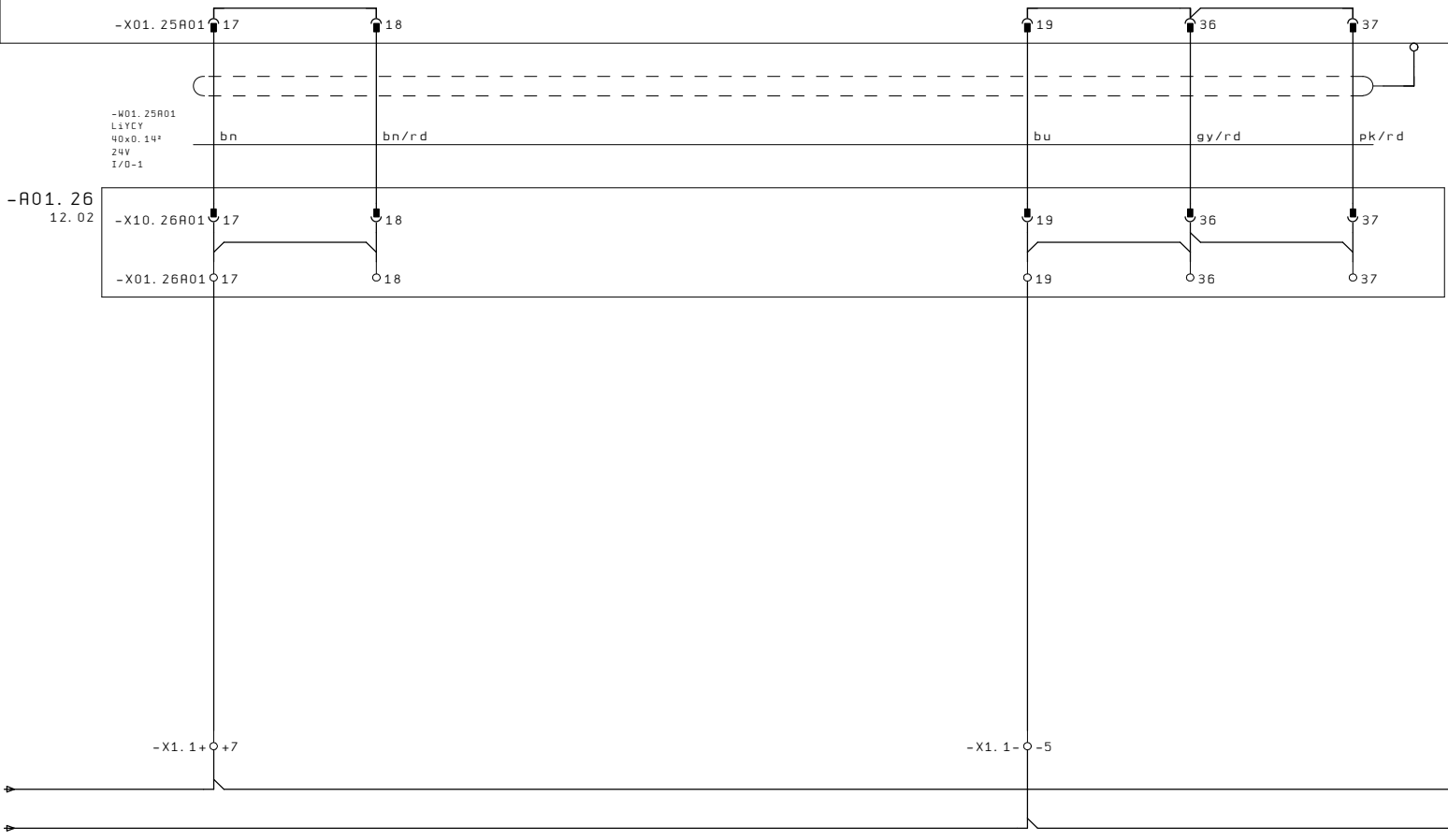
PA-CONTROL Compact

-A01.25
12.02

PAC Compact I/O-card 1

Pin 17: +24V for In-Outputs
Pin 18: +24V for In-Outputs

Pin 19: Mass 24V (GND)
Pin 36: Mass 24V (GND)
Pin 37: Mass 24V (GND)



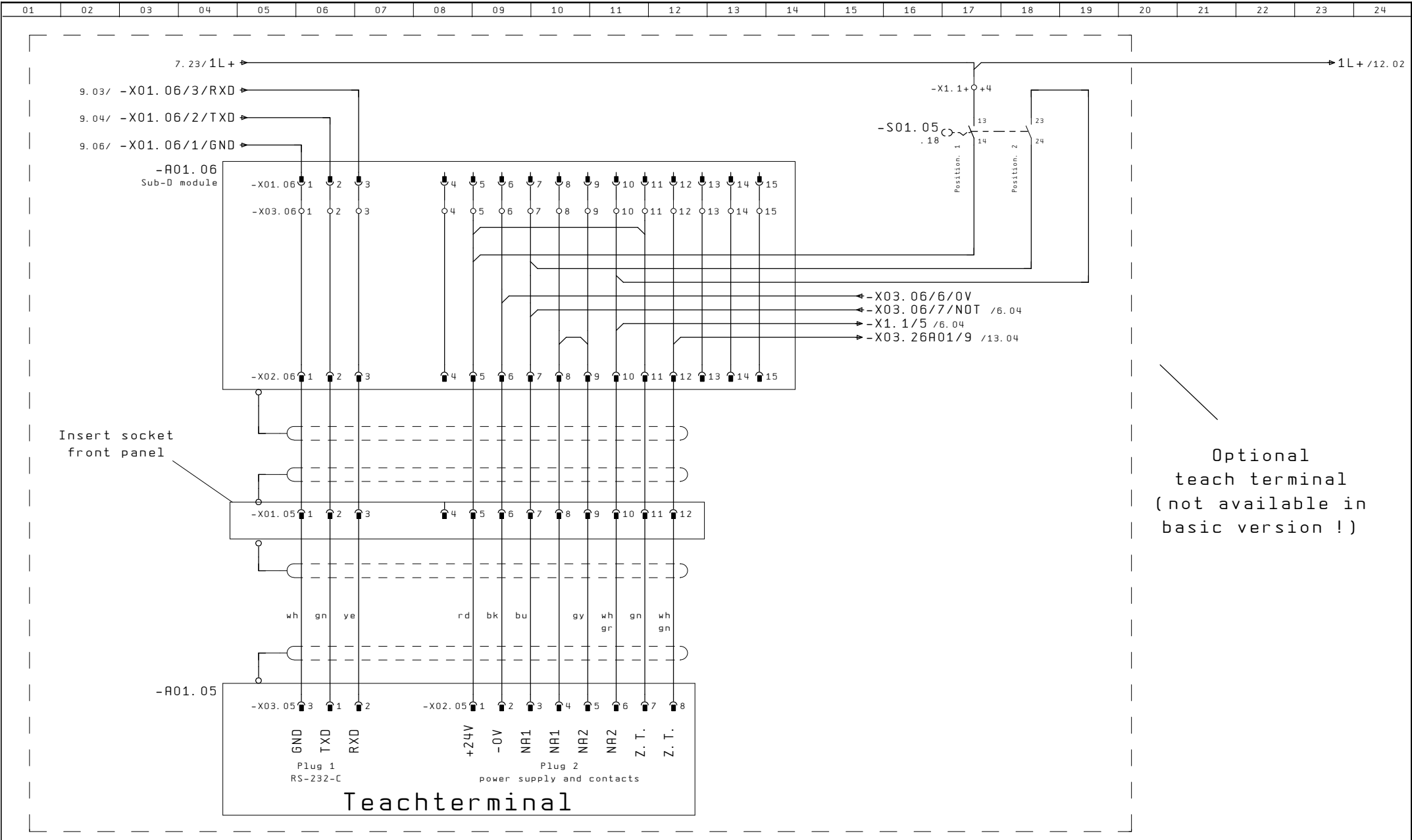
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Power supply PAC Compact
I/O-card

PA-CONTROL 4 Compact Var. G

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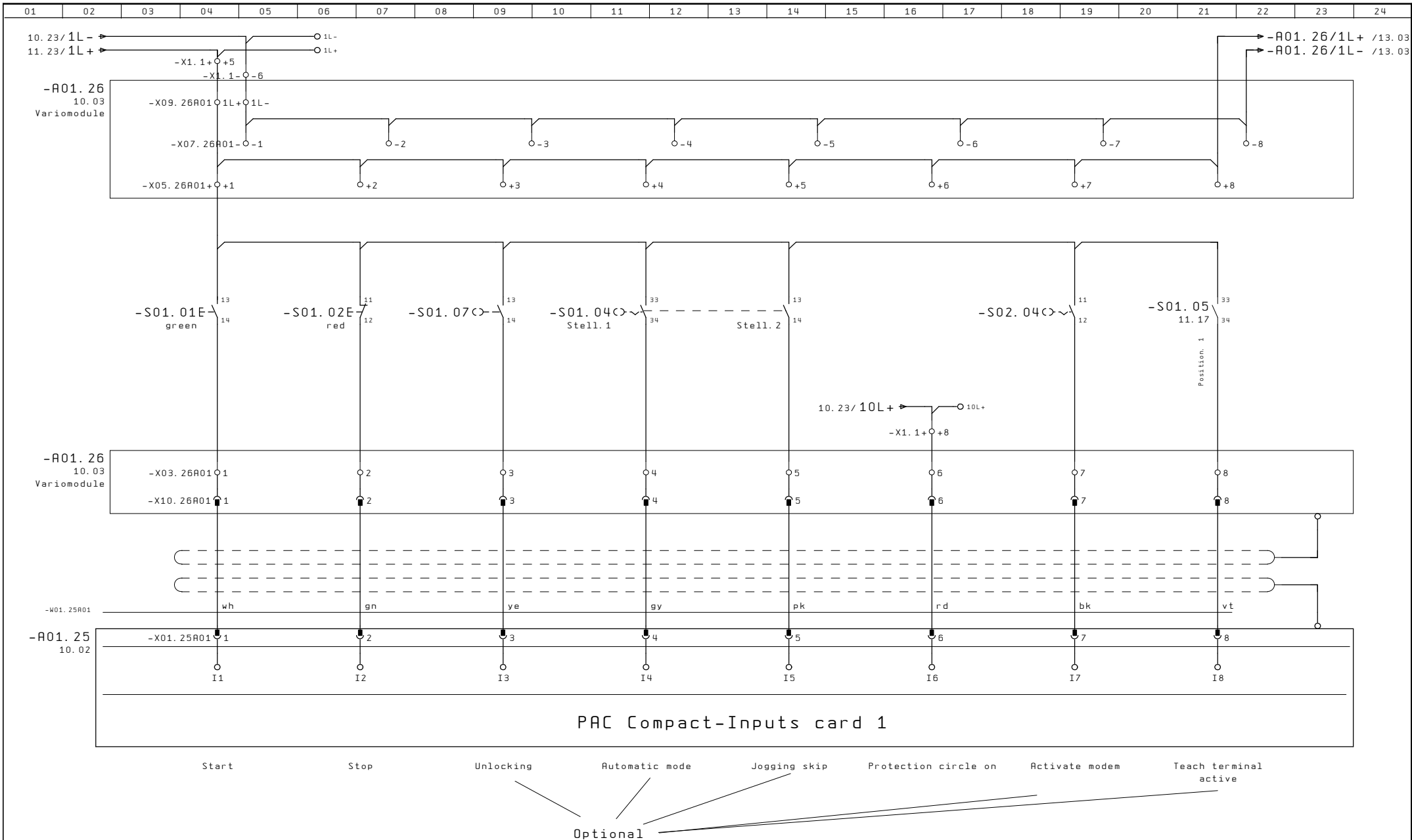
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Optional teachterminal

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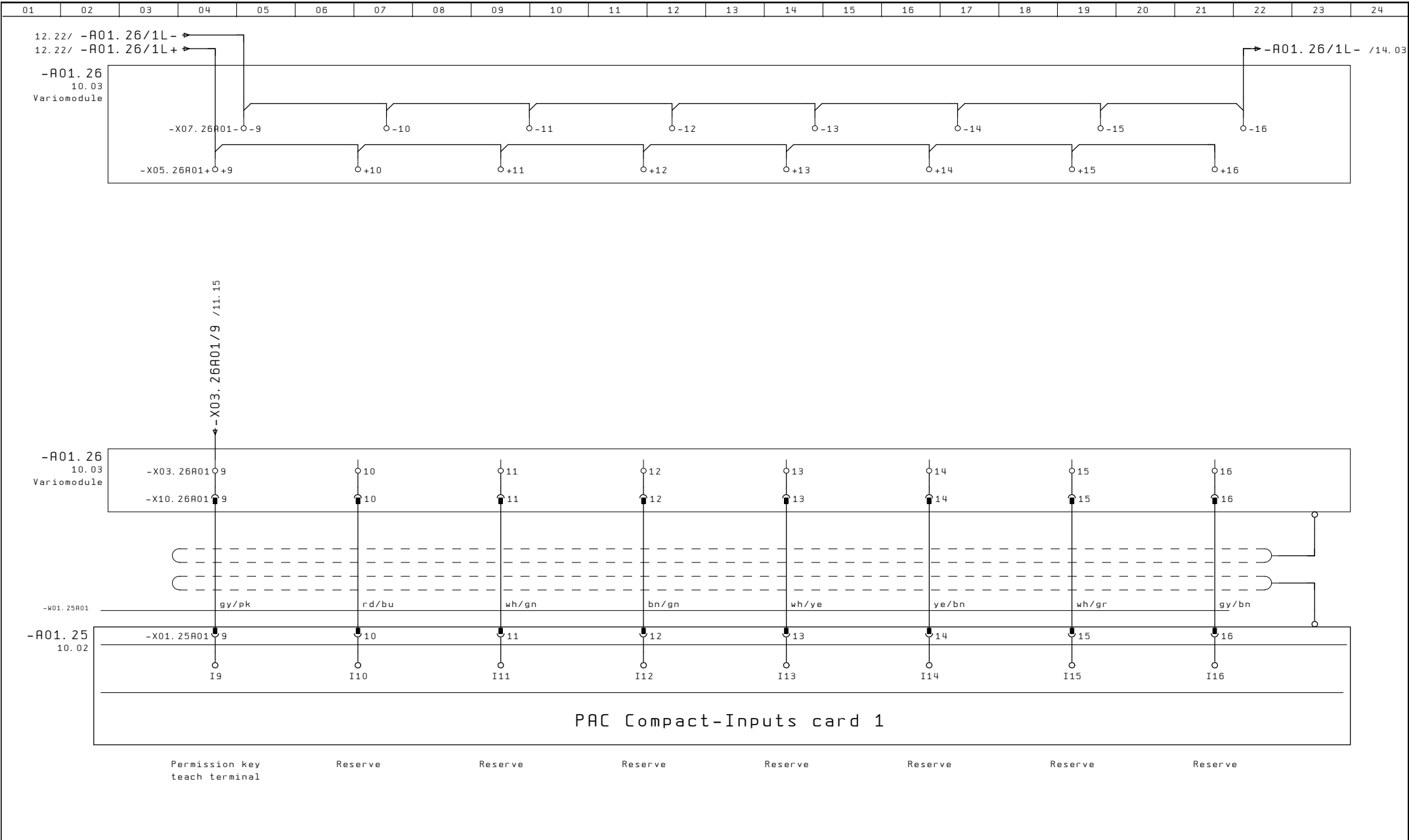
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PAC Compact Inputs
I1-I8

PA-CONTROL 4 Compact Var. G

Customer	Drawing-no. IEF	Page no.
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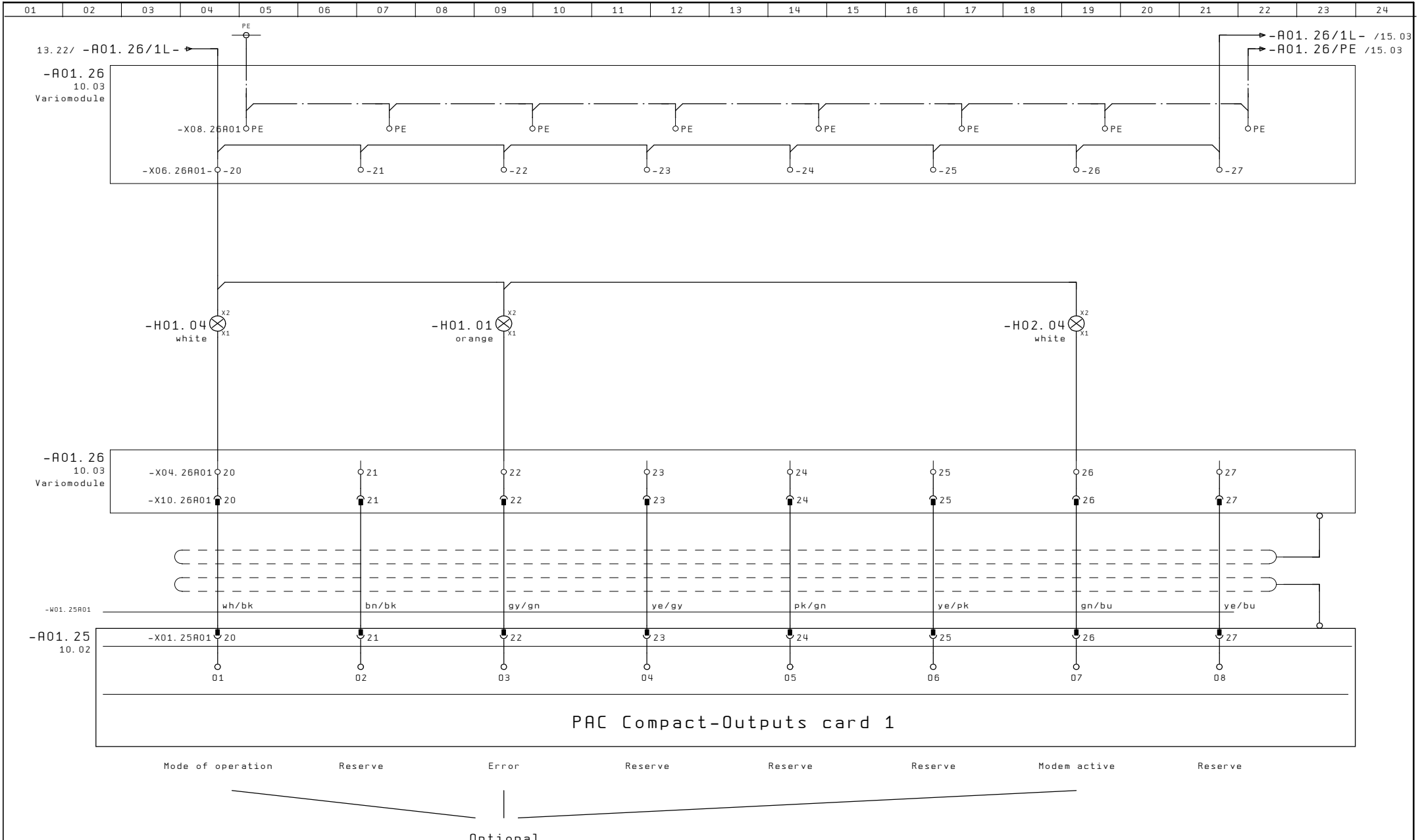


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PAC Compact Inputs I9-I16	
PA-CONTROL 4 Compact Var. G	

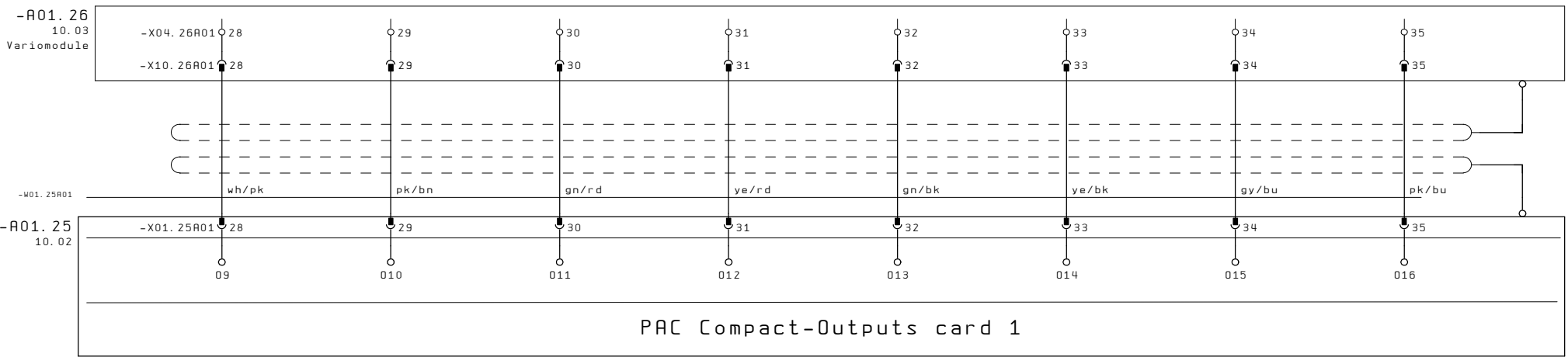
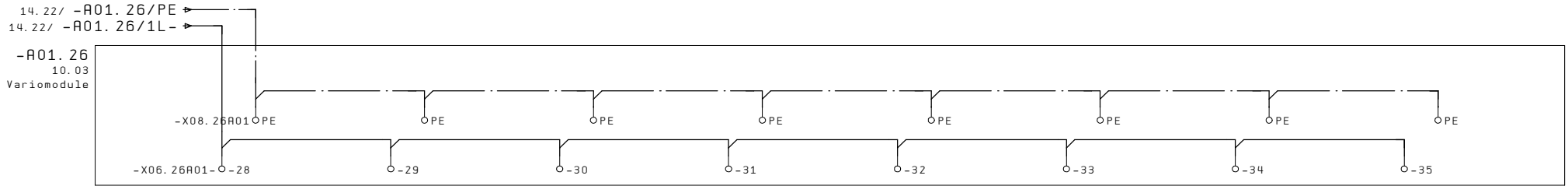
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Final customer	Drawing-no. customer	Pages
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Optional	PAC Compact Outputs
	01-08
	PA-CONTROL 4 Compact Var. G

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Final customer	Drawing-no. customer	Pages
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PAC Compact-Outputs card 1

Reserve Reserve Reserve Reserve Reserve Reserve Reserve Reserve

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PAC Compact Outputs 09-016	Customer
PA-CONTROL 4 Compact Var. G	Final customer

Drawing-no. IEF	Page no.
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Drawing-no. customer	Pages
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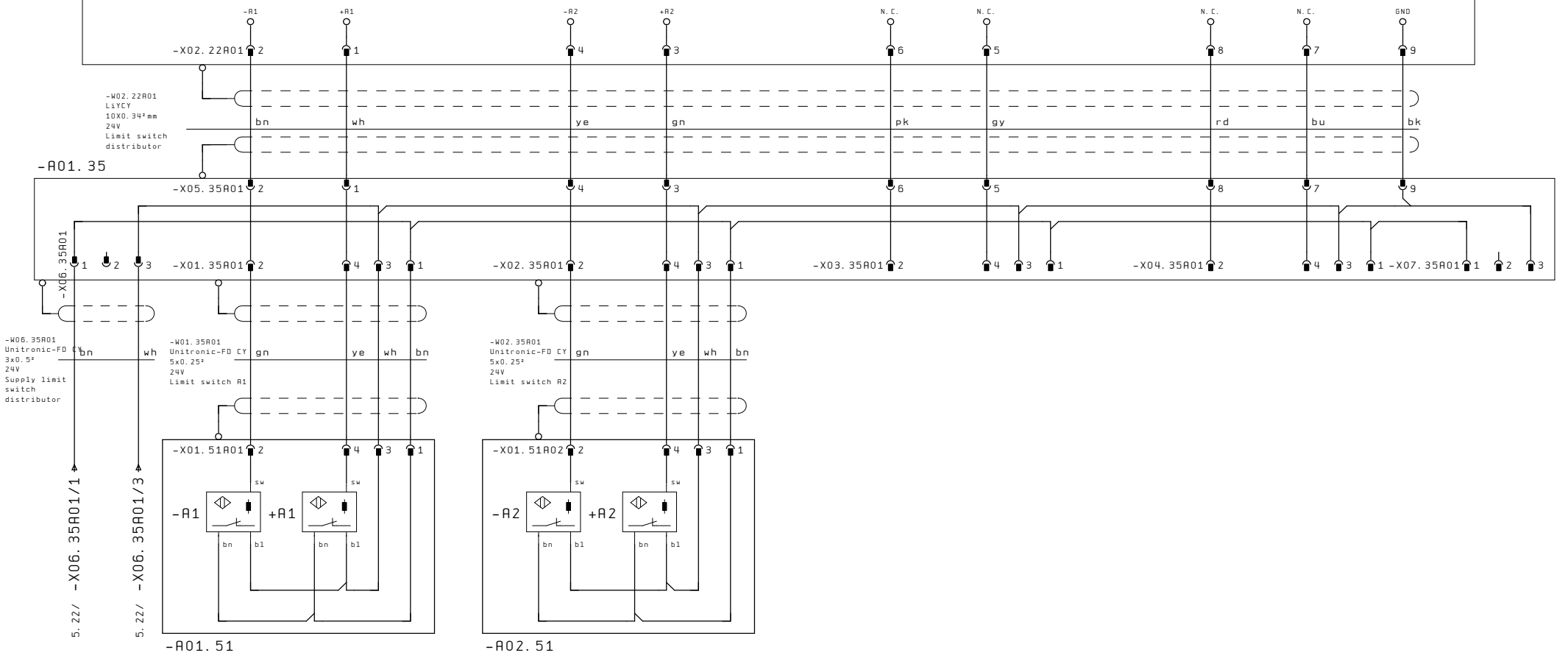
-A01. 20
5. 02

PA-CONTROL Compact

-A01. 22

PA-CONTROL Compact PLS6-card

-A1 : Limit switch axis 1-
+A1 : Limit switch axis 1+
-A2 : Limit switch axis 2-
+A2 : Limit switch axis 2+



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PA-CONTROL Compact
Axes limit switch
PLS6
PA-CONTROL 4 Compact Var. 6

Customer	Drawing-no. IEF	Page no.
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Final customer	Drawing-no. customer	Pages
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-A01. 20
5. 02

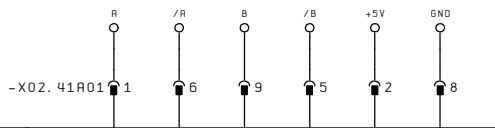
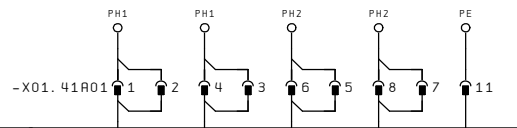
PA-CONTROL Compact

-A01. 41

Power card 1

(X2) Motor

(X4) ENC

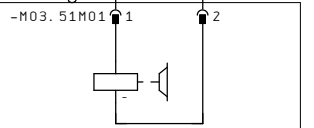
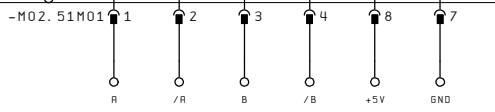
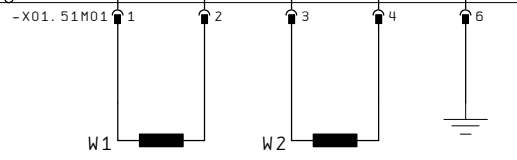


-W01. 41A01
5x1. 5²
90V
Motor A1
gy bn pk bu gn ye

-W02. 41R01
3x2x0. 14²
5V
Encoder
ye gn pk gy bn wh

-W03. 51R01
3x0. 5²
24V
Brake
bn bu Connection for brake

-M01. 51




Motor

Rotation monitoring

Brake

Optional

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Power card 1
A1-axis
2 phase stepper motor
PA-CONTROL 4 Compact Var. G

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-A01. 20
5. 02

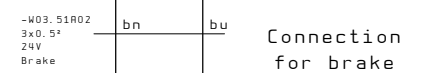
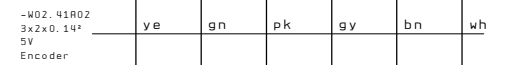
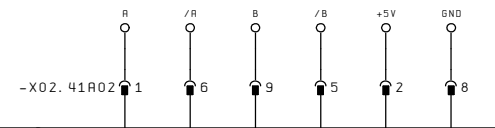
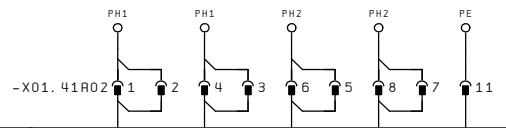
PA-CONTROL Compact

-A02. 41

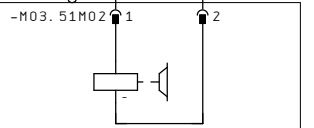
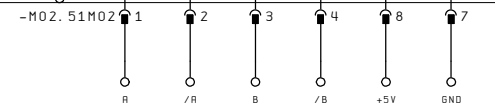
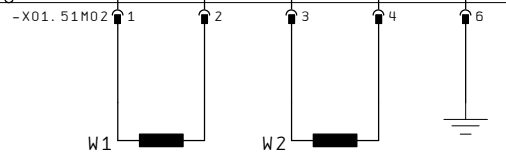
Power card 2

(X2) Motor

(X4) ENC



-M02. 51



Motor

Rotation monitoring

Brake

Optional

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Power card 2
A2-axis
2 phase stepper motor
PA-CONTROL 4 Compact Var. G

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-A01.20
5.02

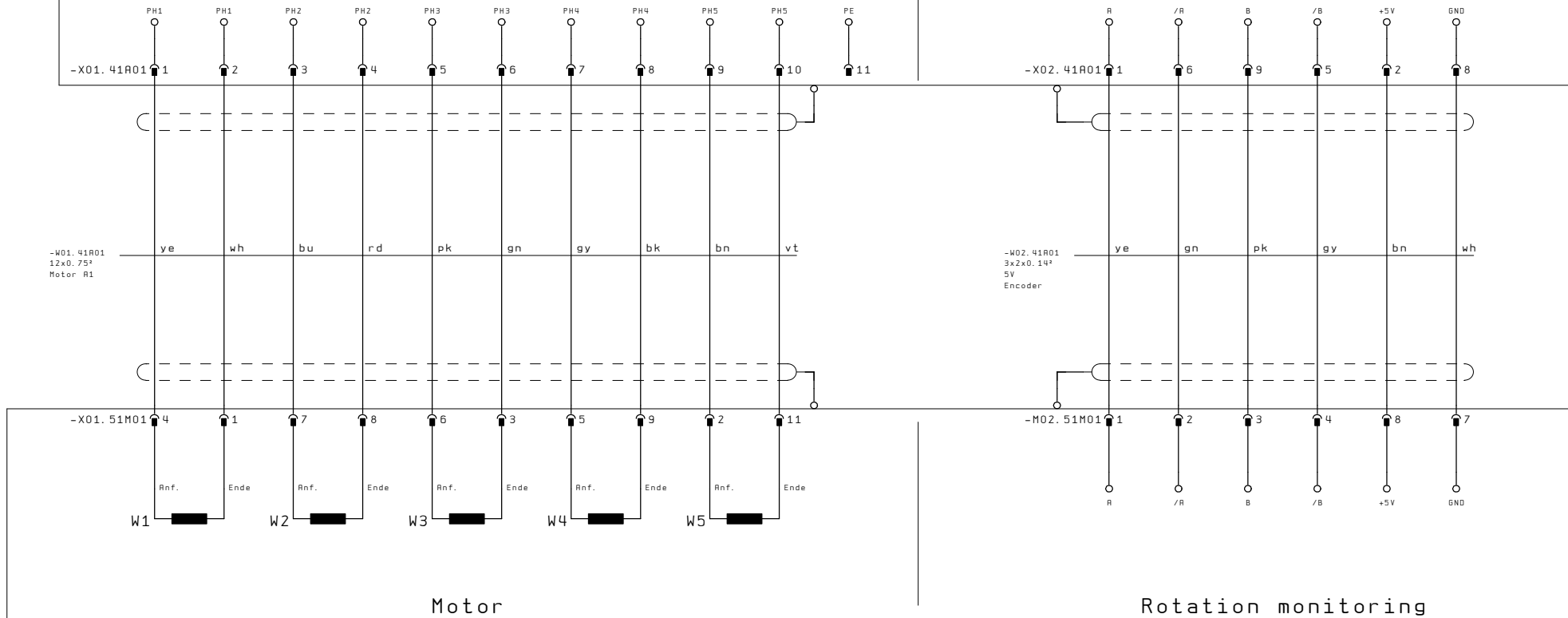
PA-CONTROL Compact

-A01.41

Power card 1

(X2) Motor

(X4) ENC



-M01.51

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Power card 1
A1-axis
5-phase stepper motor
PA-CONTROL 4 Compact Var. G

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-A01. 20
5. 02

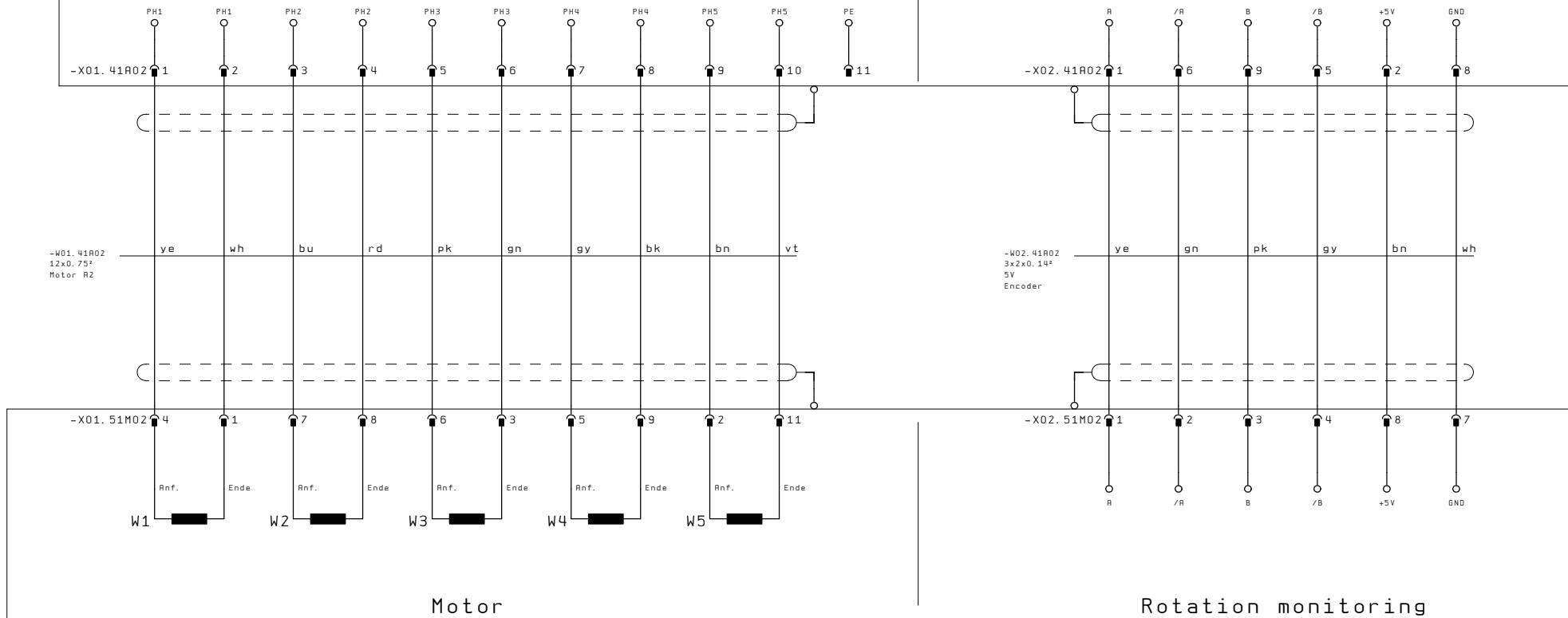
PA-CONTROL Compact

-A02. 41


Power card 1

(X2) Motor

(X4) ENC

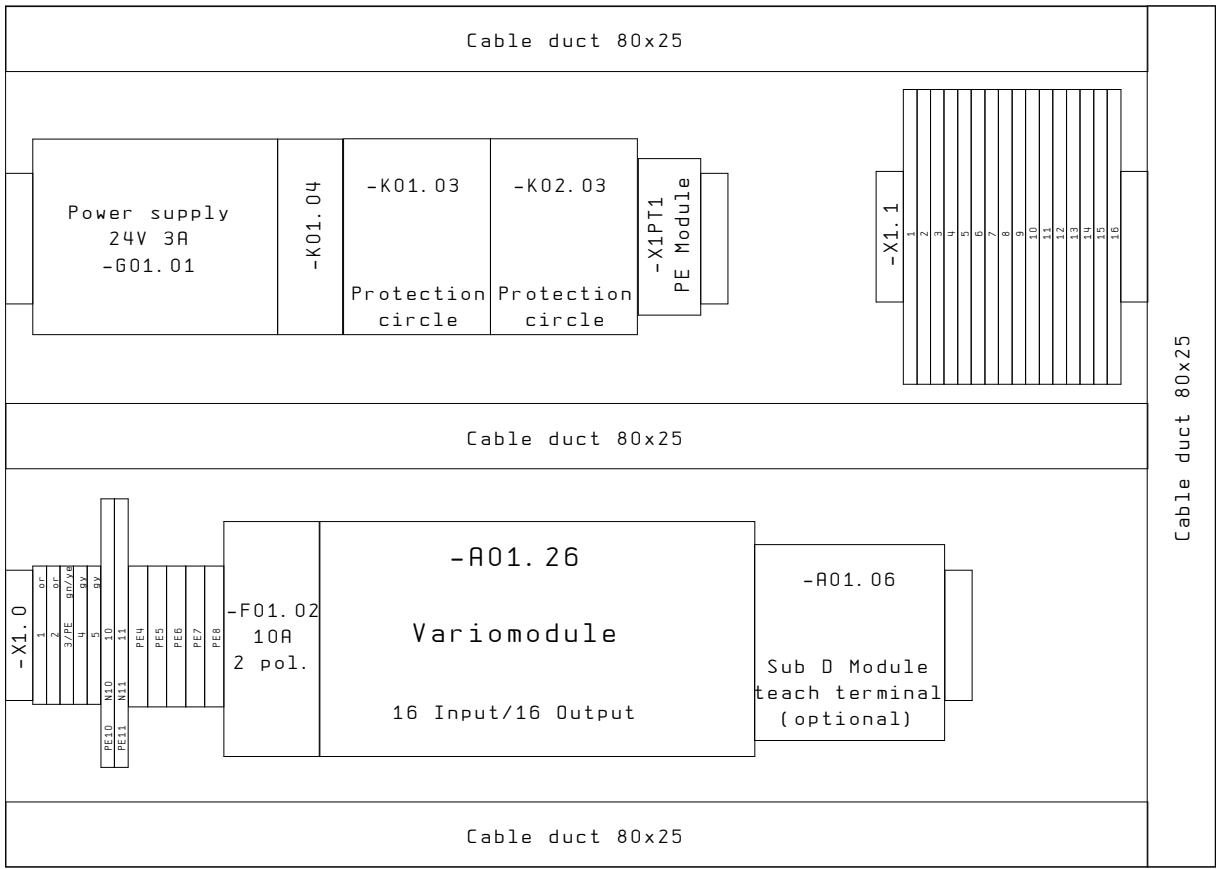


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Power card 2
 A2-axis
 5-phase stepper motor
 PA-CONTROL 4 Compact Var. G

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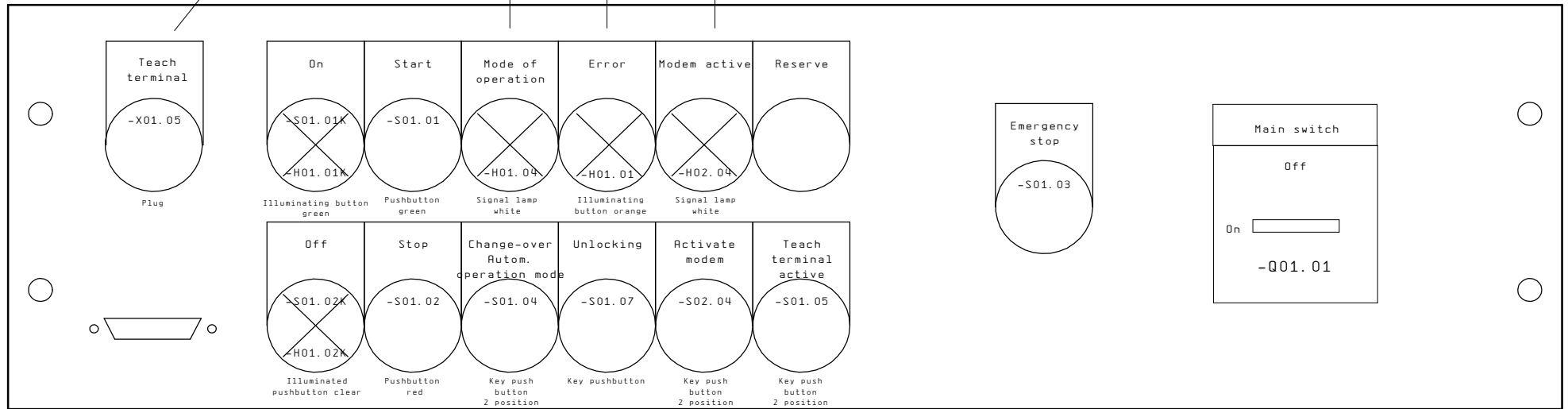
Assembly mounting plate	
PA-CONTROL 4 Compact Var. G	

Customer	
Final customer	


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Optionally in
basic version with blind plug



Optionally in
basic version with blind plug

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