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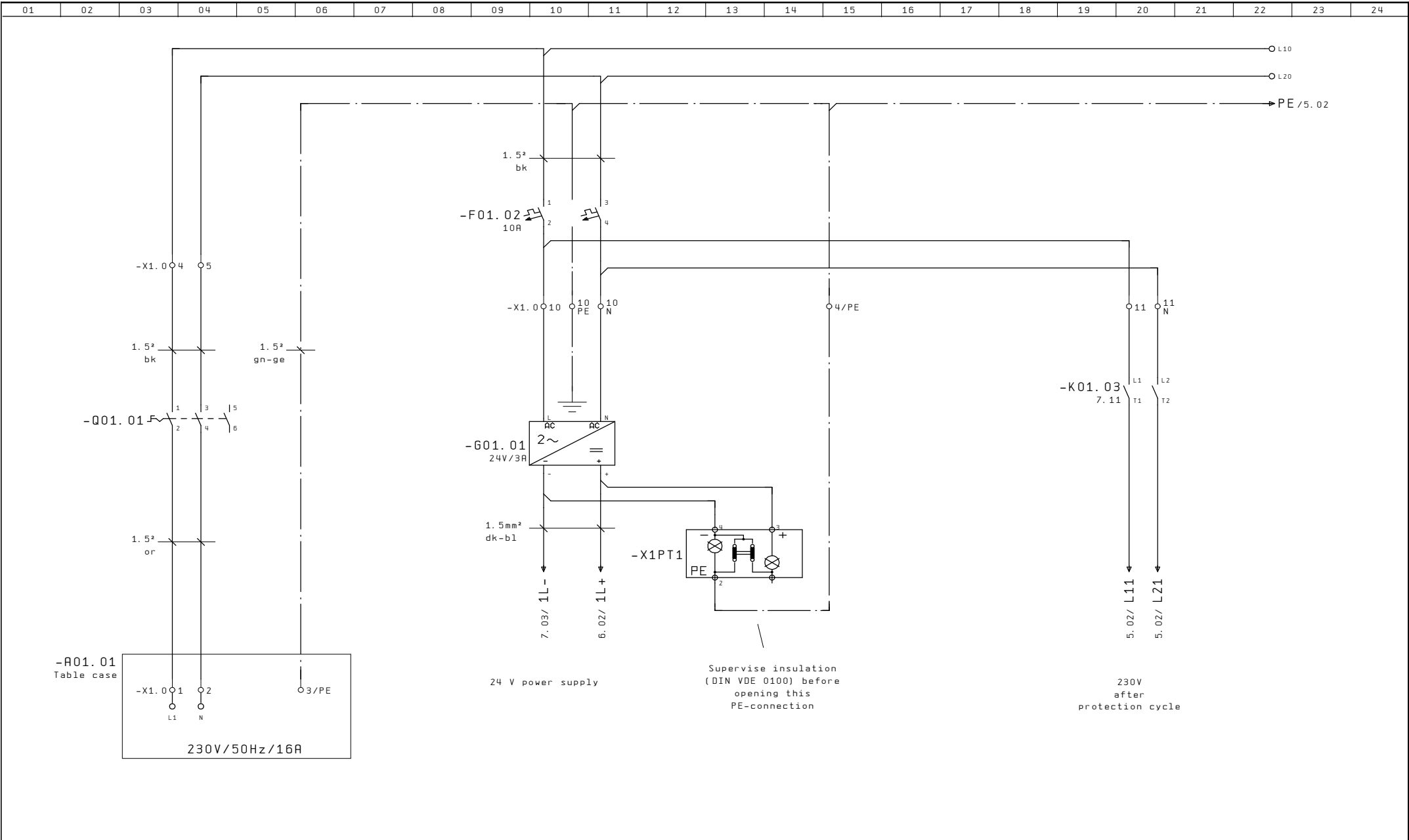
Circuit diagram

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

Editor		Date		Title page	Customer	Drawing-no. IEF	Page no.
Designer:	VOL	16.12.02				1033746	1
Modification:	VOL	29.06.05					
Print:		11.01.07			Final customer	Drawing-no. customer	Pages
System:	Place:			PA-CONTROL 4 Compact Var. G			22



Editor		Date
Designer:	VOL	16.12.02
Modification:	VOL	29.06.05
Print:		11.01.07
System:	Place:	



Main connection - 24V Power supply

PA-CONTROL 4 Compact Var. G

Customer	Drawing-no. IEF	Page no.
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Final customer	Drawing-no. customer	Pages
		22

-A01. 20
8. 02

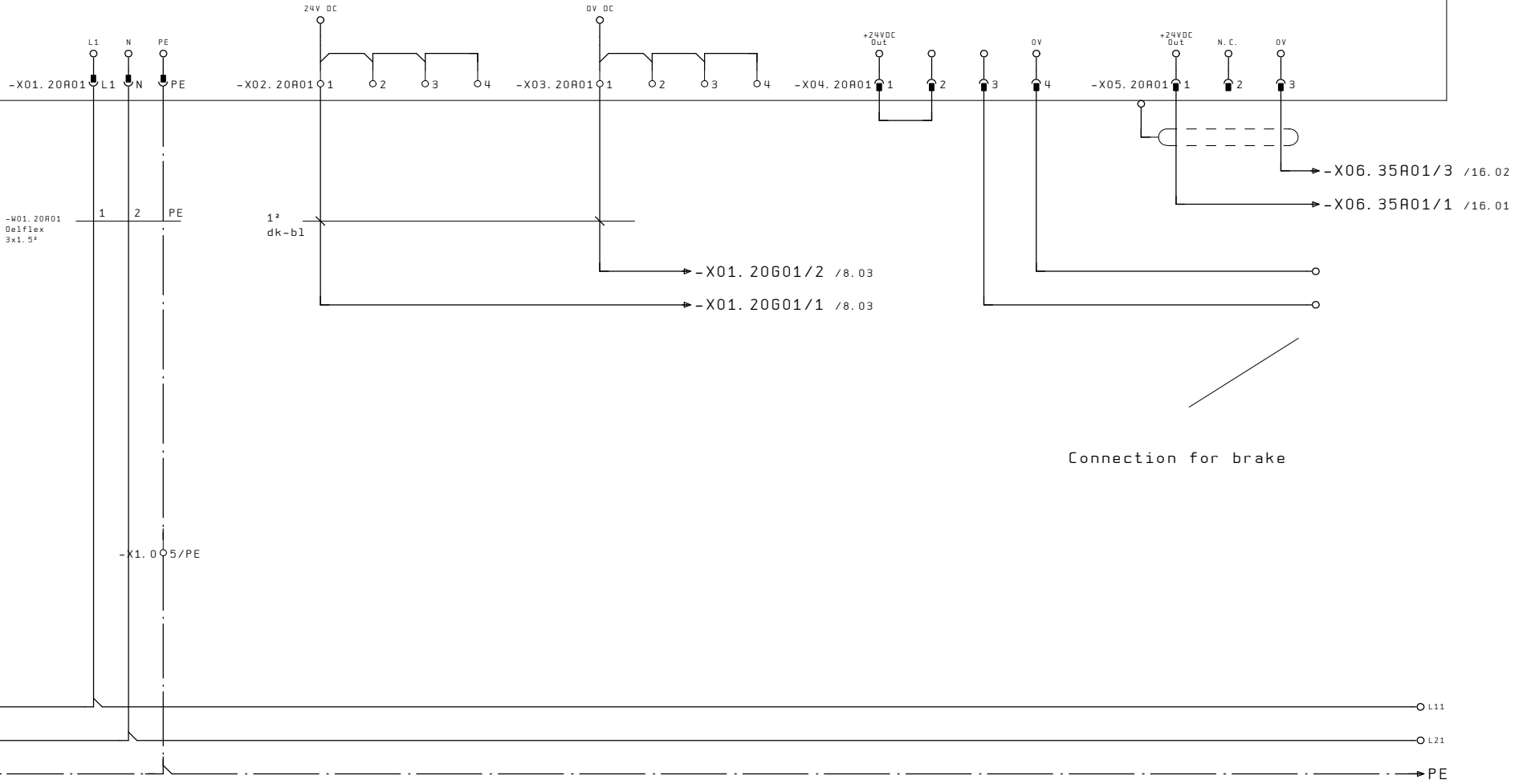
PA-CONTROL Compact

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

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

(X5)
Brake

(X1. 4)
24V Limit switch

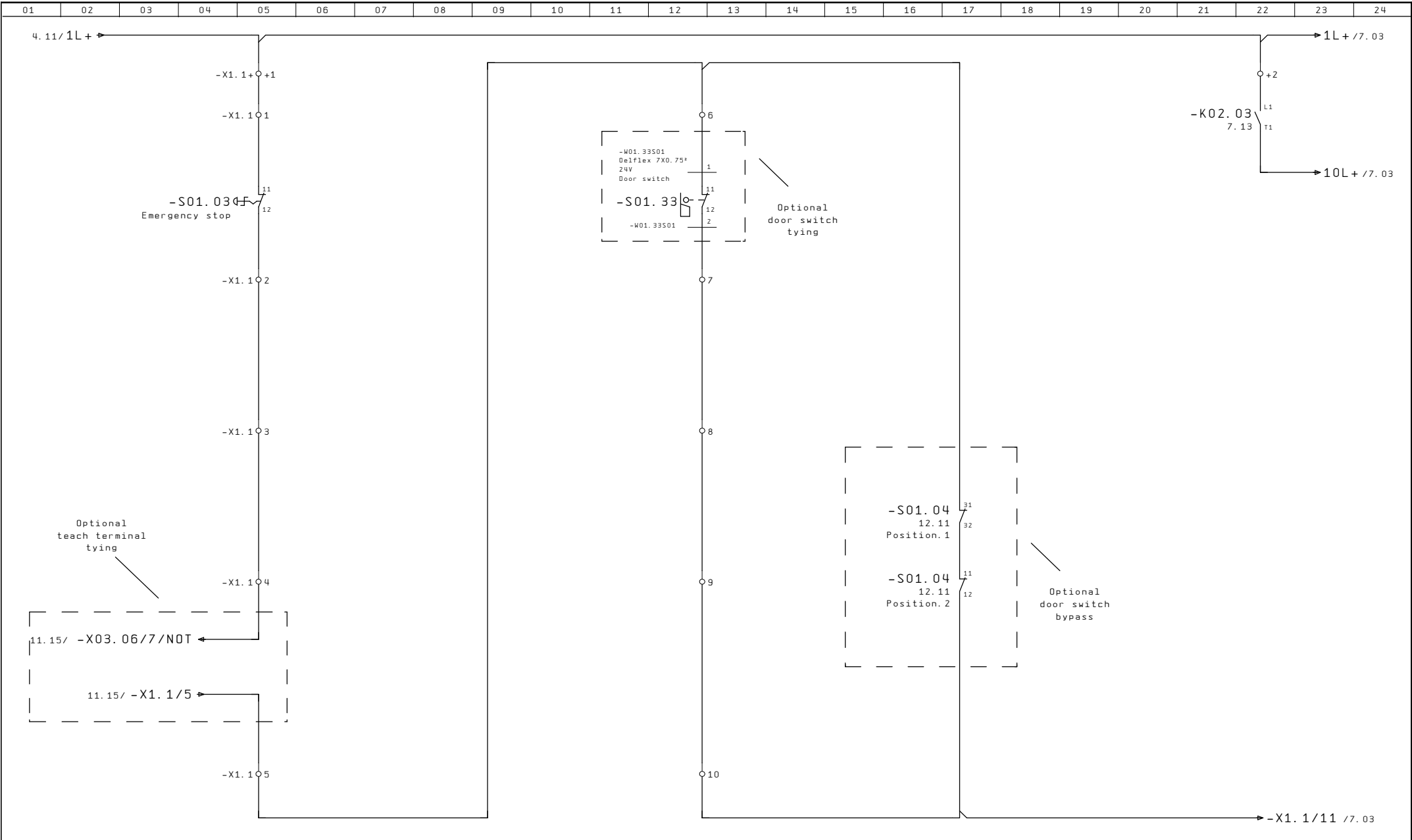


Editor		Date	
Designer:	VOL	16.12.02	
Modification:	VOL	29.06.05	
Print:		11.01.07	
System:	Place:		



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

Customer	Drawing-no. IEF	Page no.
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Final customer	Drawing-no. customer	Pages
		22



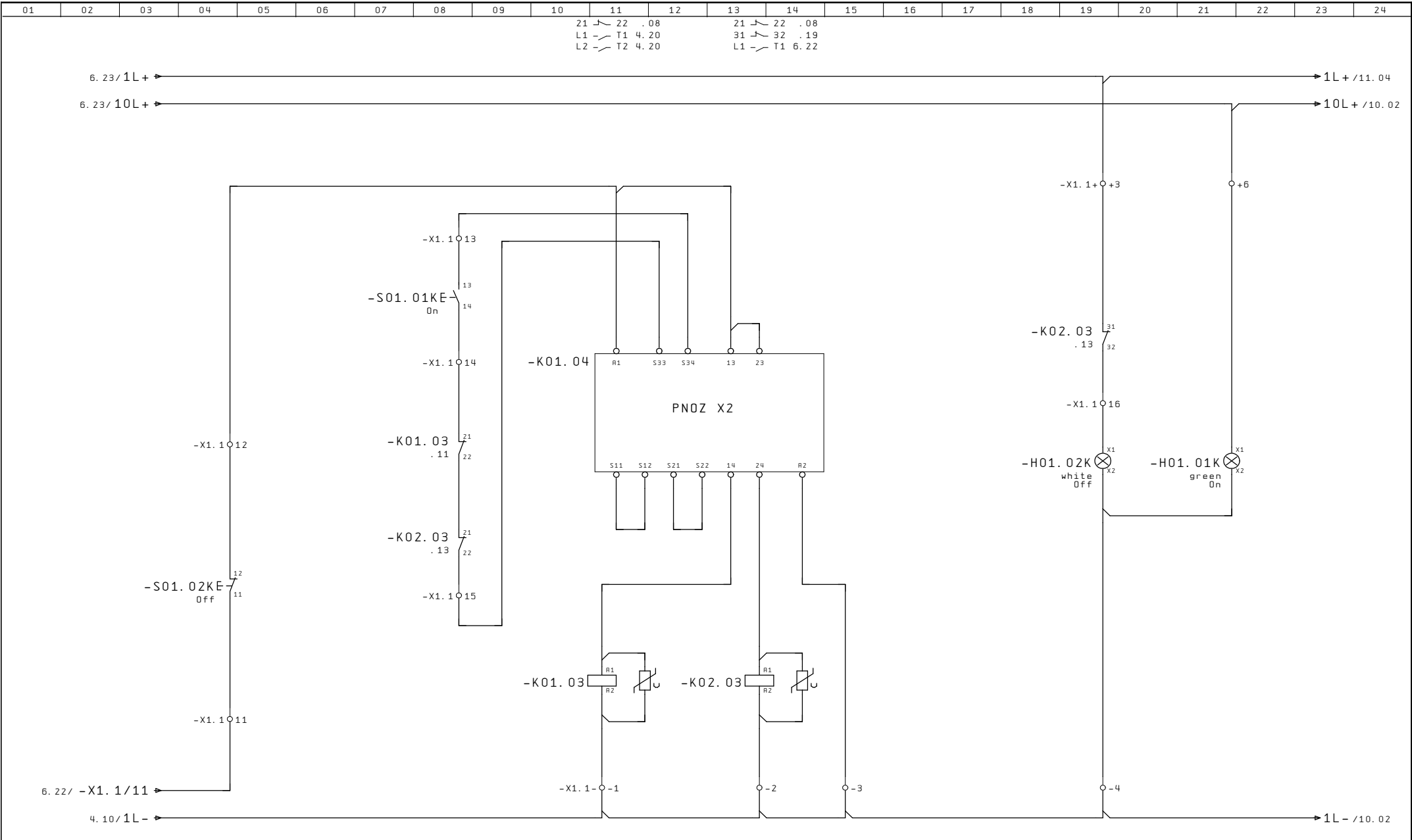
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Designer:	VOL	16.12.02
Modification:	VOL	29.06.05
Print:		11.01.07
System:	Place:	



Emergency stop + doors

PA-CONTROL 4 Compact Var. G

Customer	Drawing-no. IEF	Page no.
	1033746	6
Final customer	Drawing-no. customer	Pages
		22



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Print:		11.01.07
System:	Place:	



Protection circle

PA-CONTROL 4 Compact Var. G

Customer	
Final customer	

Drawing-no. IEF	1033746
Drawing-no. customer	

Page no.	7
Pages	22

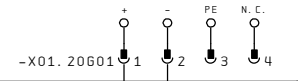
-R01.20
5.02

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 ▶

Editor		Date	
Designer:	VOL	16.12.02	
Modification:	VOL	29.06.05	
Print:		11.01.07	
System:	Place:	WERNER	

PA-CONTROL Compact CPU-Power supply

Customer

Drawing-no. IEF

Page no.

1033746

8

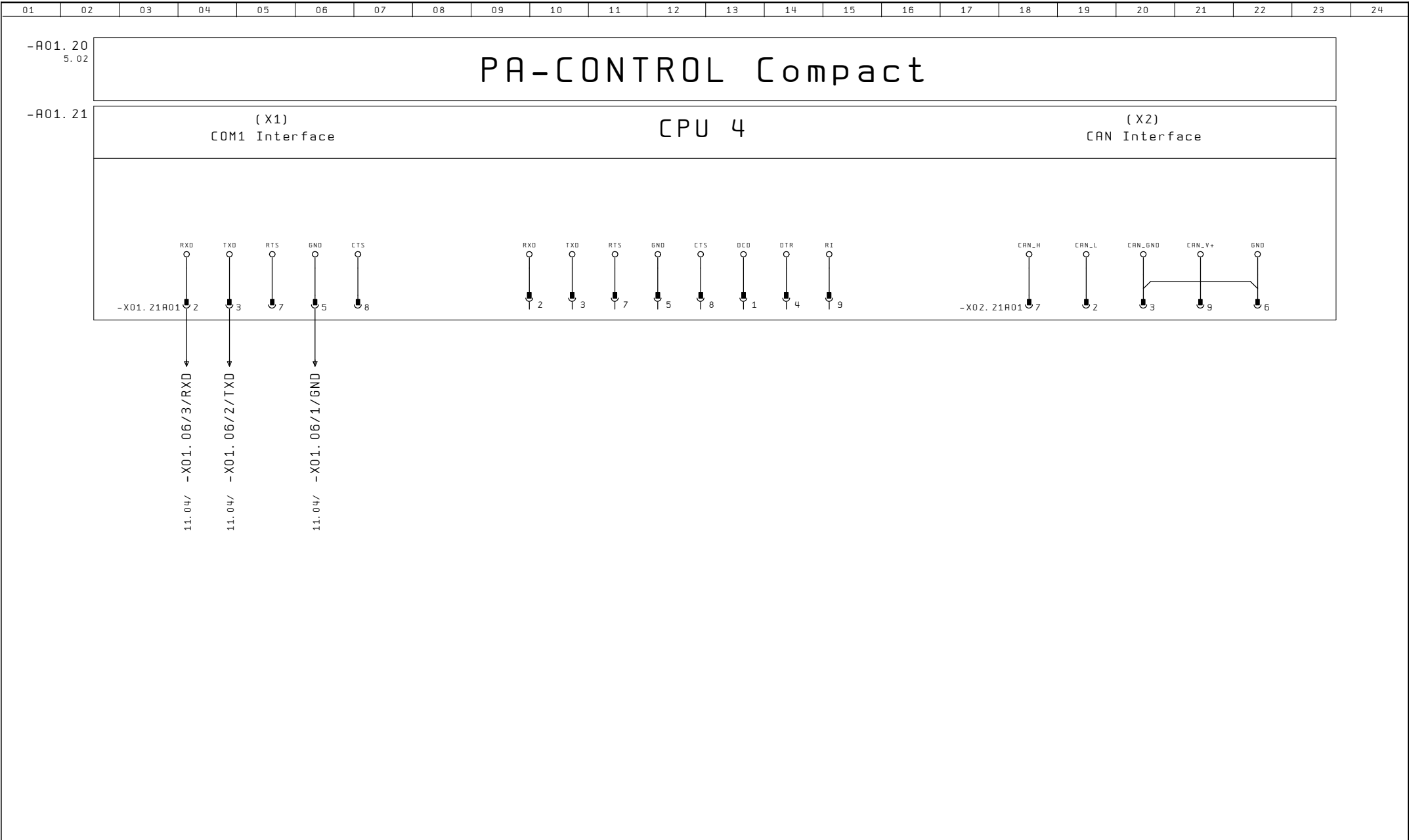
Final customer

Drawing-no. customer

Pages

PA-CONTROL 4 Compact Var. G

22



Editor	Date	
Designer: VDL	16.12.02	
Modification: VDL	29.06.05	
Print:	11.01.07	
System:	Place:	

PA-CONTROL Compact
Interface connection

PA-CONTROL 4 Compact Var. G

Customer		Drawing-no. IEF	Page no.
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Final customer		Drawing-no. customer	Pages
			22

-A01.20
5.02

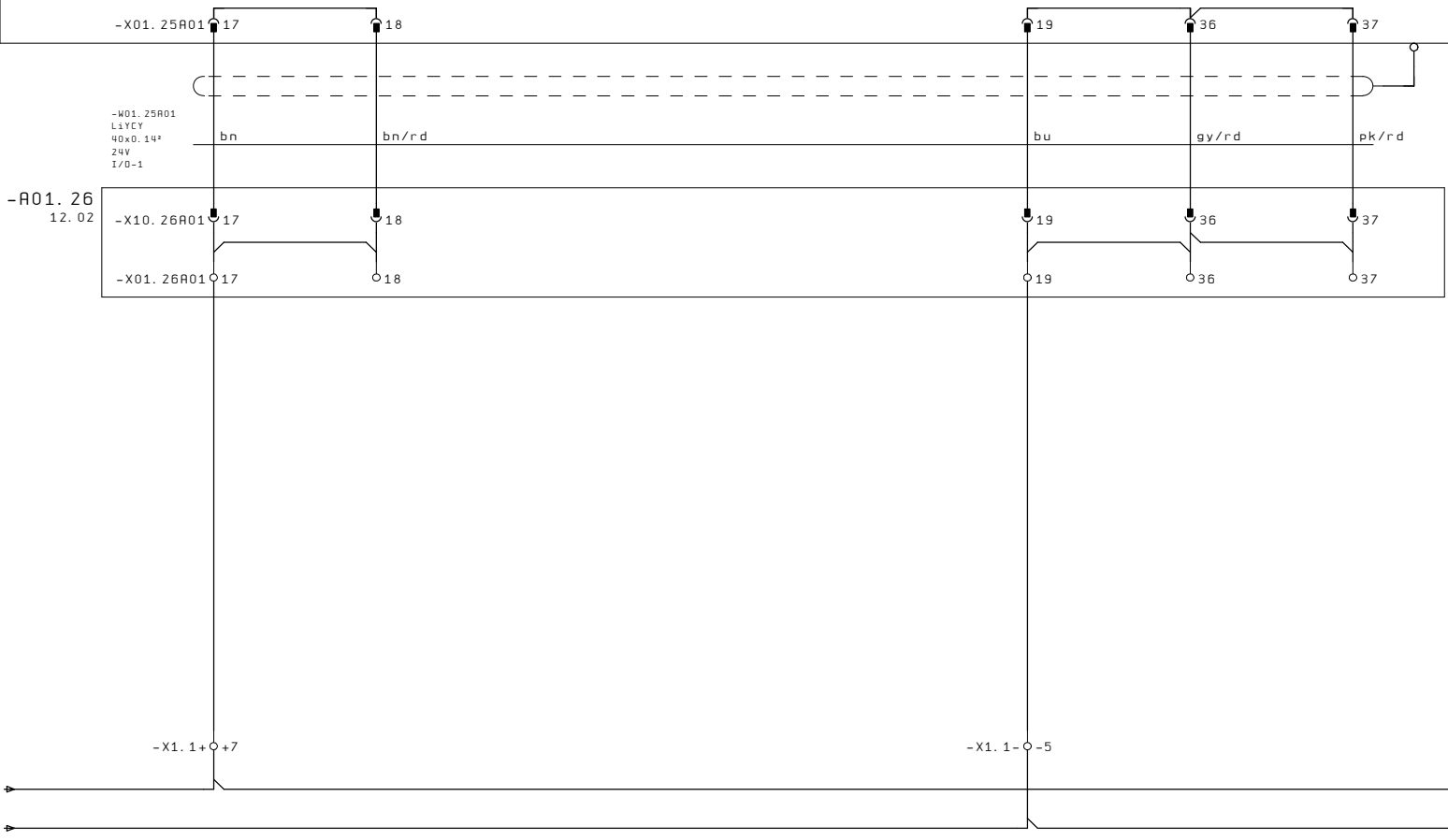
PA-CONTROL Compact

-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)



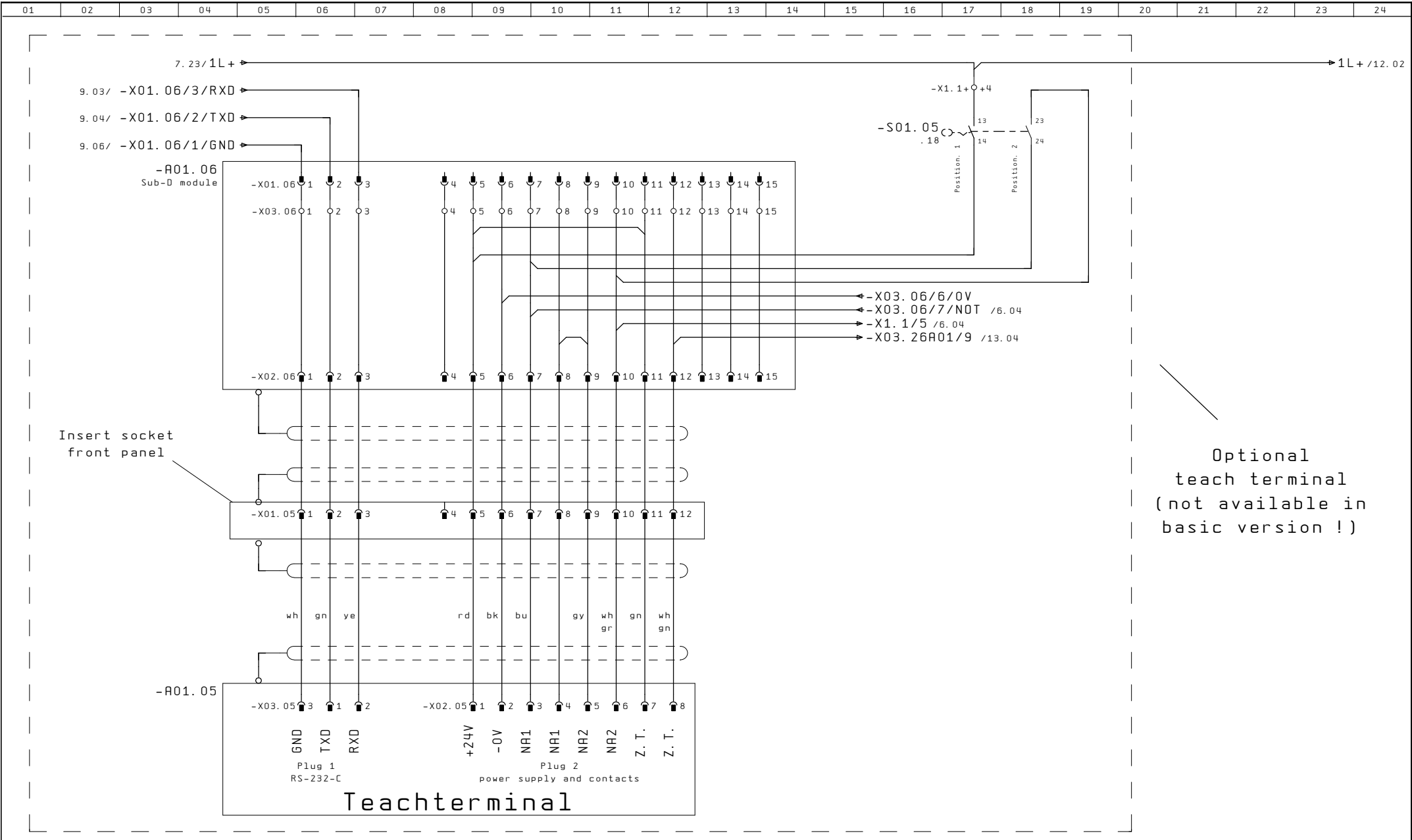
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Modification:	VOL	29.06.05	
Print:		11.01.07	
System:	Place:		



Power supply PAC Compact
I/O-card

PA-CONTROL 4 Compact Var. G

Customer	Drawing-no. IEF	Page no.
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Final customer	Drawing-no. customer	Pages
		22



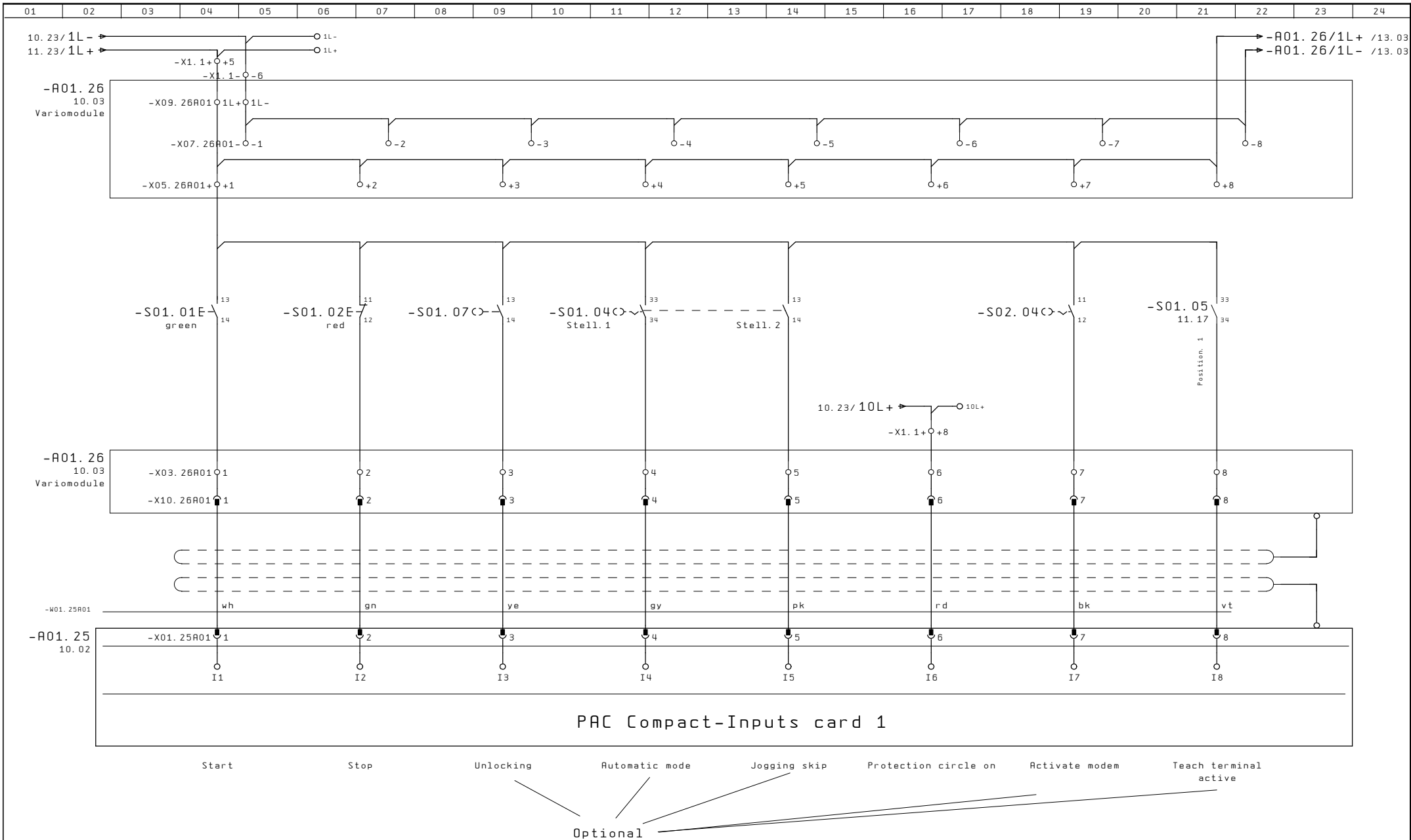
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Designer:	VOL	16.12.02
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Print:		11.01.07
System:	Place:	



Optional teachterminal

PA-CONTROL 4 Compact Var. G

Customer	Drawing-no. IEF	Page no.
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Final customer	Drawing-no. customer	Pages
		22



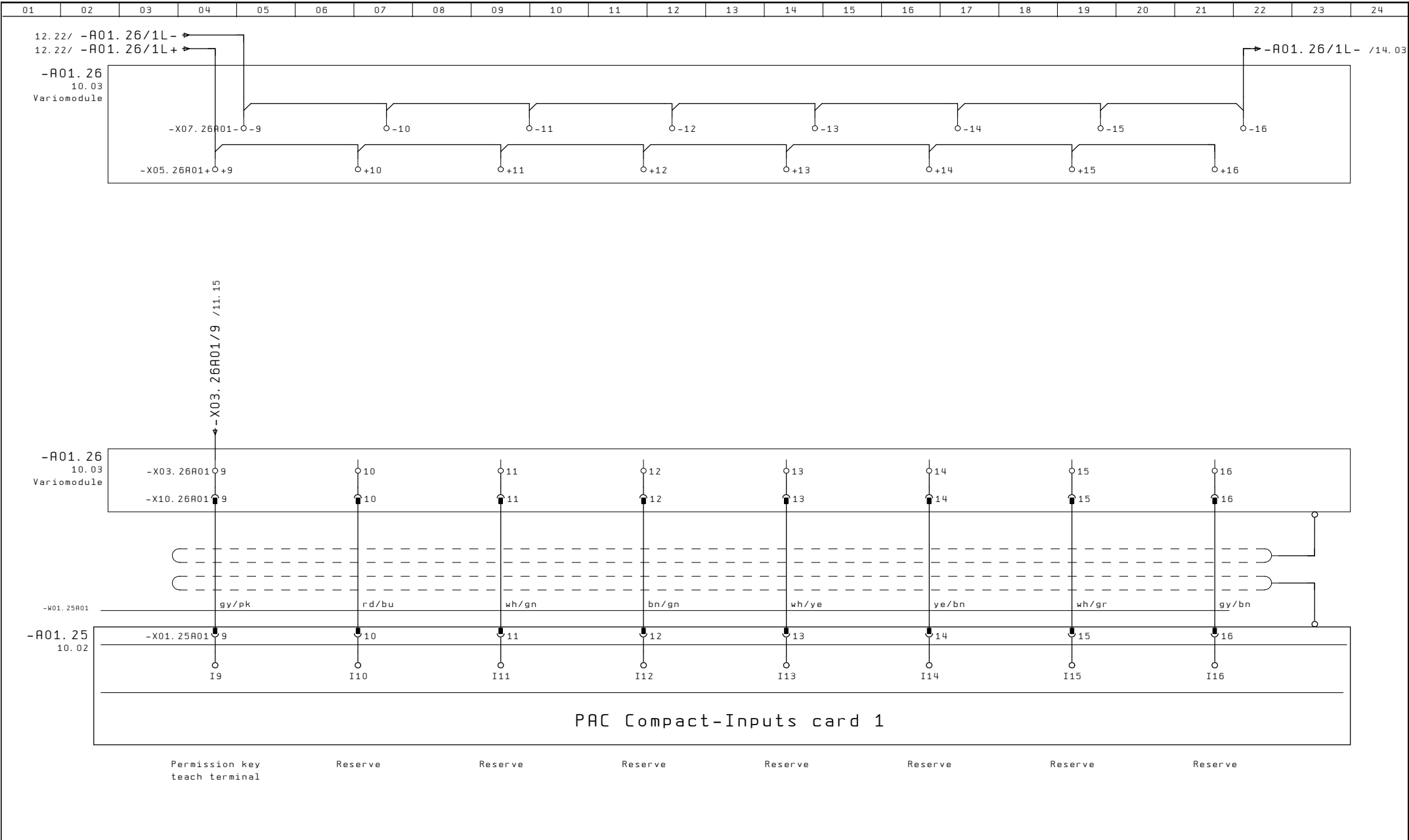
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Designer: VOL	16.12.02
Modification: VOL	29.06.05
Print:	11.01.07
System:	Place:



PAC Compact Inputs
I1-I8

PA-CONTROL 4 Compact Var. G

Customer	Drawing-no. IEF	Page no.
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Final customer	Drawing-no. customer	Pages
		22

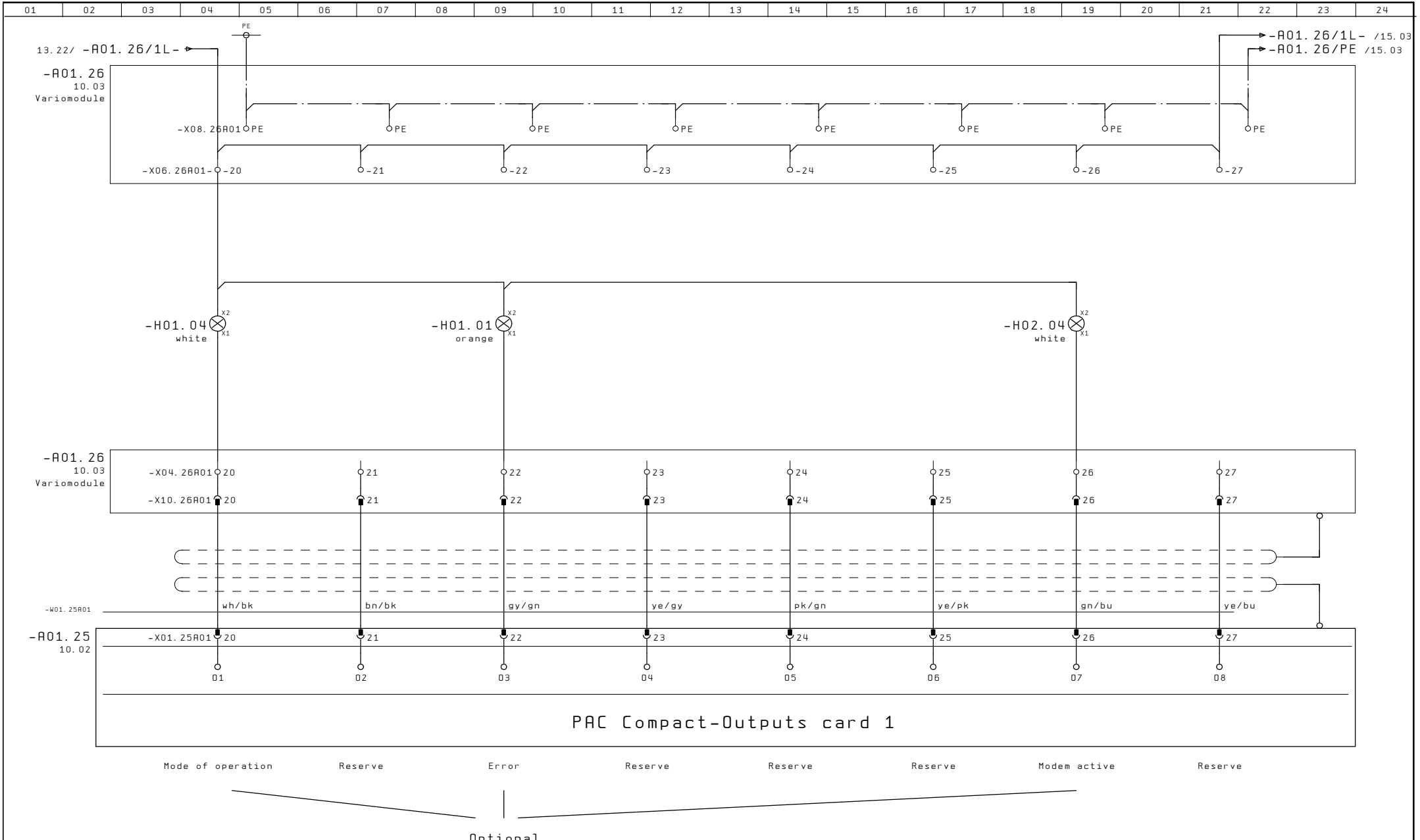


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Modification:	VOL	29.06.05
Print:		11.01.07
System:	Place:	



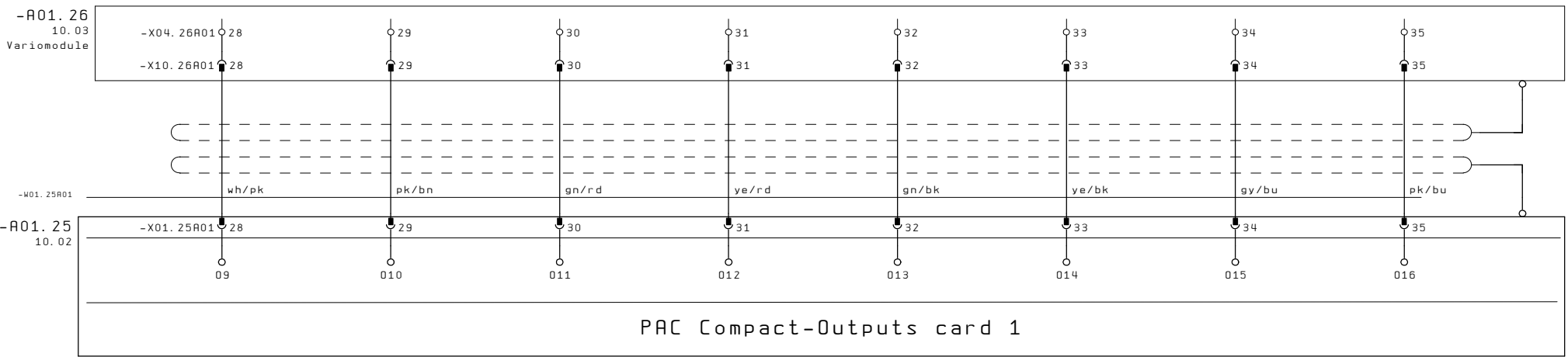
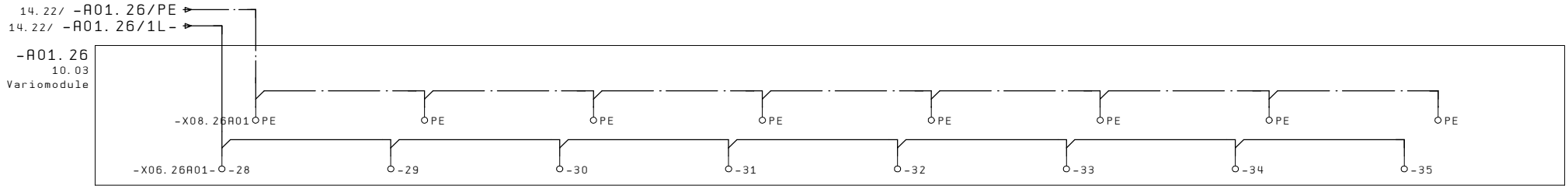
PAC Compact Inputs I9-I16	
PA-CONTROL 4 Compact Var. G	

Customer	Drawing-no. IEF	Page no.
	1033746	13
Final customer	Drawing-no. customer	Pages
		22



Optional

Editor		Date			PAC Compact Outputs 01-08 PA-CONTROL 4 Compact Var. G	Customer	Drawing-no. IEF	Page no.
Designer:	VOL	16.12.02				1033746	14	
Modification:	VOL	29.06.05						
Print:		11.01.07		Final customer	Drawing-no. customer	Pages		
System:	Place:						22	



PAC Compact-Outputs card 1

Reserve Reserve Reserve Reserve Reserve Reserve Reserve Reserve

Editor	Date
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System:	Place:



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

Drawing-no. IEF	Page no.
1033746	15
Drawing-no. customer	Pages
	22

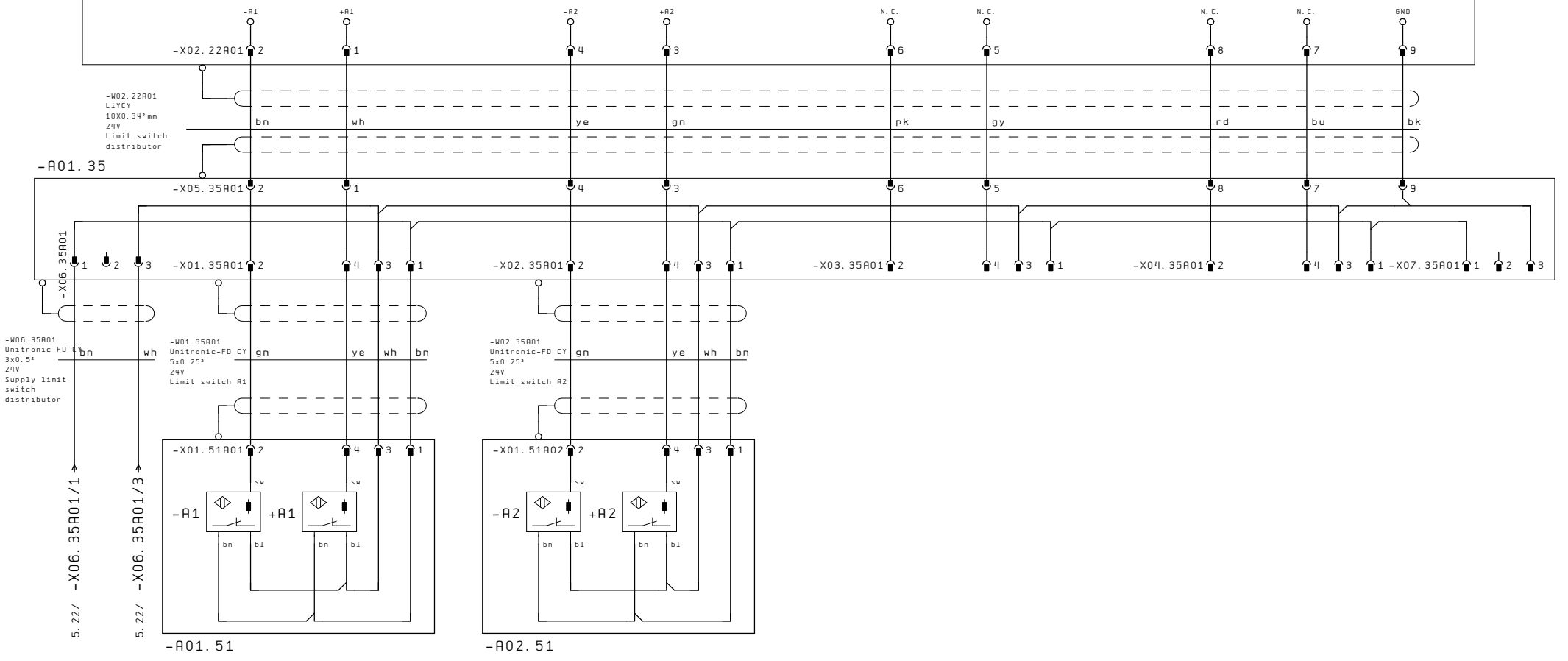
-A01. 20
5. 02

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+



Editor	Date
Designer: VOL	16.12.02
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System:	Place:



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

Customer	Drawing-no. IEF	Page no.
	1033746	16
Final customer	Drawing-no. customer	Pages
		22

-A01. 20
5. 02

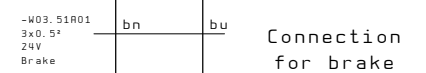
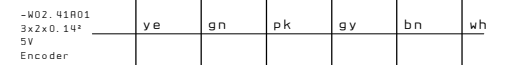
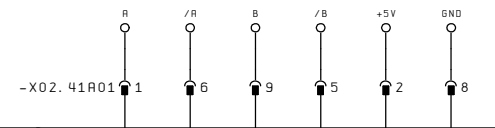
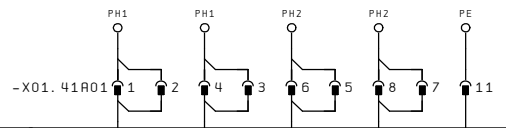
PA-CONTROL Compact

-A01. 41

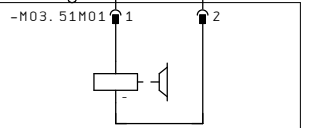
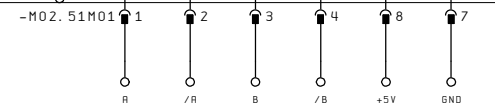
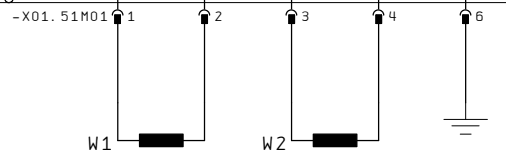
Power card 1

(X2) Motor

(X4) ENC



-M01. 51




Motor

Rotation monitoring

Brake

Optional

Editor		Date	
Designer:	VOL	16.12.02	
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System:	Place:		

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

Customer	Drawing-no. IEF	Page no.
	1033746	17
Final customer	Drawing-no. customer	Pages
		22

-A01. 20
5. 02

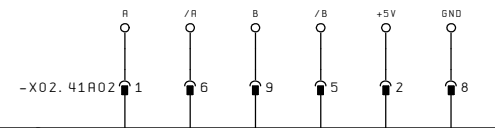
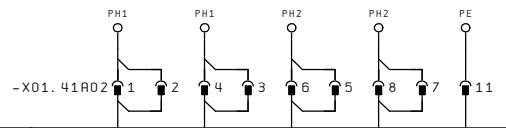
PA-CONTROL Compact

-A02. 41

Power card 2

(X2) Motor

(X4) ENC

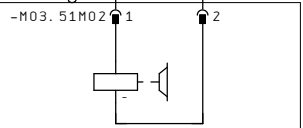
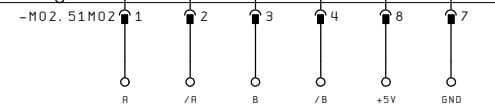
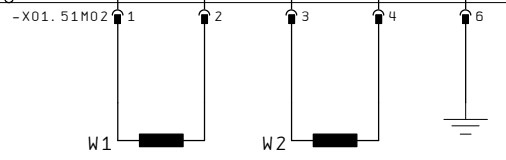


-W01. 41A02
5x1. 5"
90V
Motor A2
gy bn pk bu gn ye

-W02. 41R02
3x2x0. 14"
5V
Encoder
ye gn pk gy bn wh

-W03. 51R02
3x0. 5"
24V
Brake
bn bu Connection for brake

-M02. 51




Motor

Rotation monitoring

Brake

Optional

Editor		Date	
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System:	Place:		

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

Customer	Drawing-no. IEF	Page no.
	1033746	18
Final customer	Drawing-no. customer	Pages
		22

-A01.20
5.02

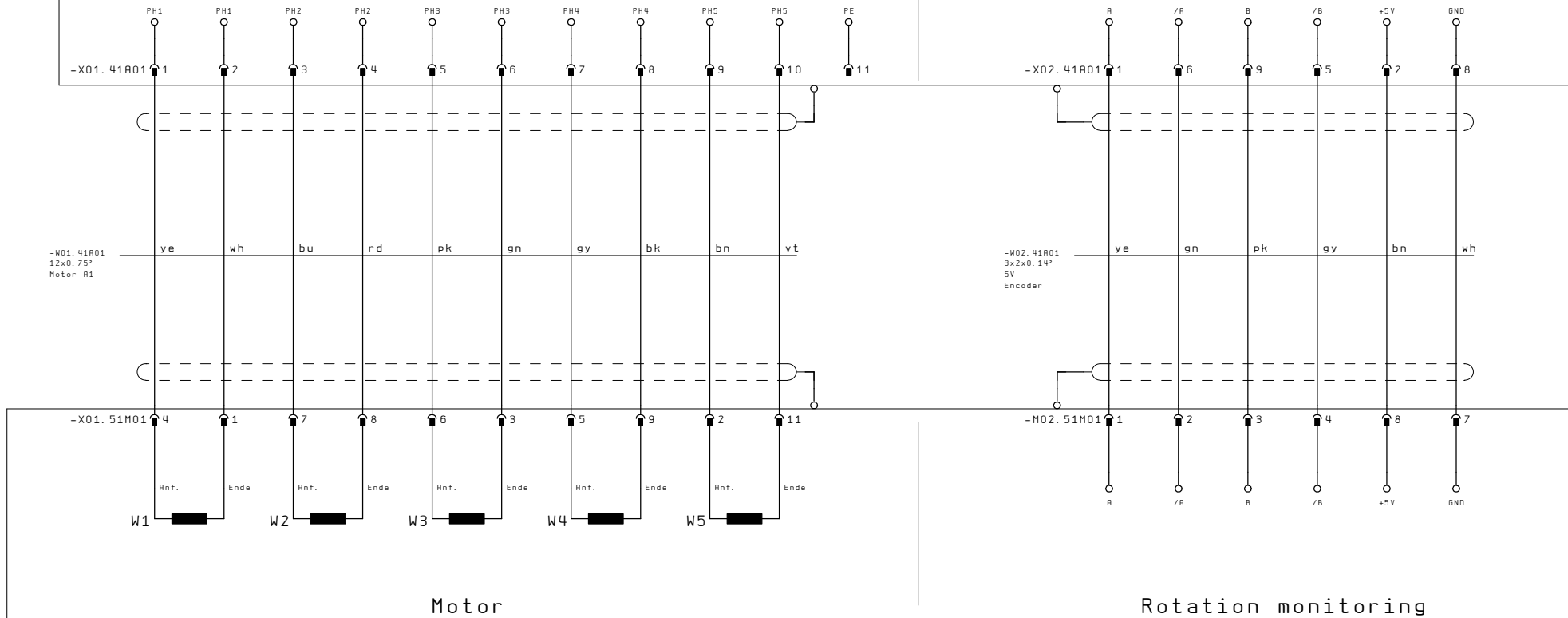
PA-CONTROL Compact

-A01.41

Power card 1

(X2) Motor

(X4) ENC



-M01.51

Editor		Date	
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System:	Place:		



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

Customer	
Final customer	

Drawing-no. IEF	1033746
Drawing-no. customer	

Page no.	19
Pages	22

-A01. 20
5. 02

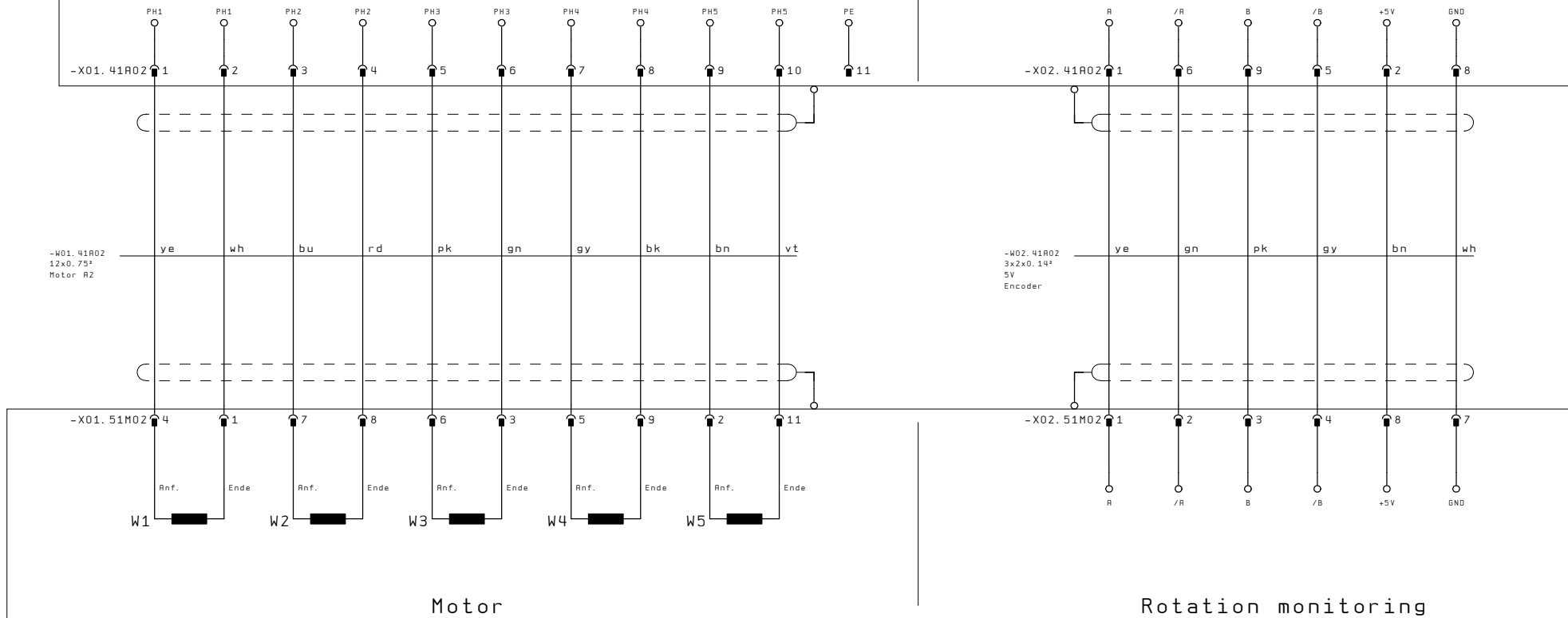
PA-CONTROL Compact

-A02. 41


Power card 1

(X2) Motor

(X4) ENC

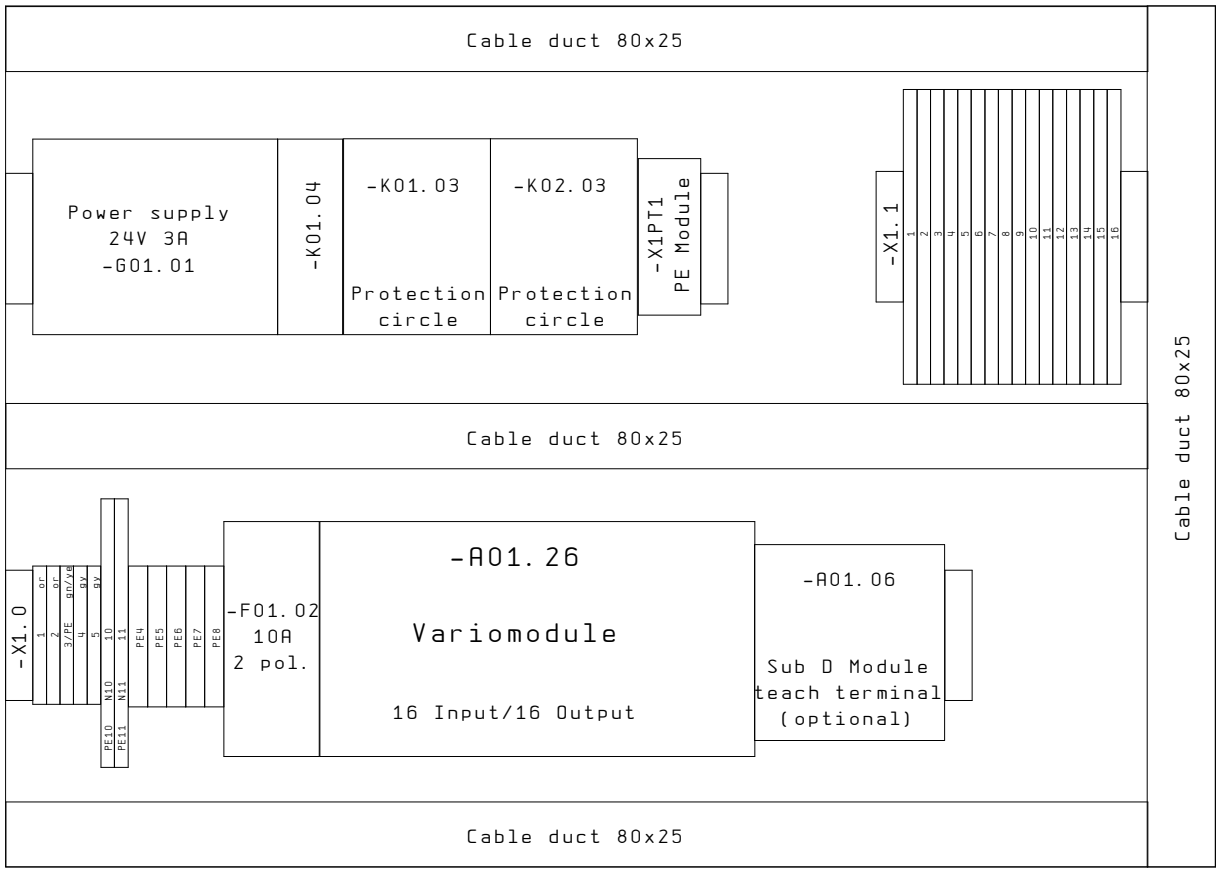


-M02. 51

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Print:		11.01.07	
System:	Place:		

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

Customer	Drawing-no. IEF	Page no.
	1033746	20
Final customer	Drawing-no. customer	Pages
		22



Editor		Date	
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Print:		11.01.07	
System:	Place:		



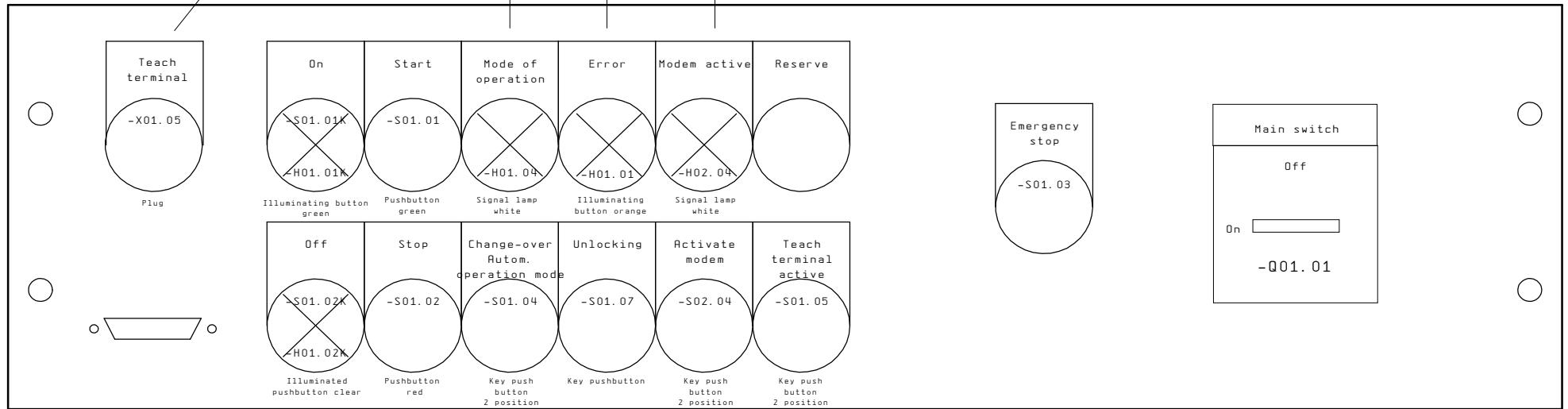
Assembly mounting plate	
PA-CONTROL 4 Compact Var. G	

Customer	
Final customer	

Drawing-no. IEF	1033746
Drawing-no. customer	

Page no.	21
Pages	22

Optionally in
basic version with blind plug



Optionally in
basic version with blind plug

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Assembly control panel
PA-CONTROL 4 Compact Var. G

Customer	Drawing-no. IEF	Page no.
	1033746	22
Final customer	Drawing-no. customer	Pages
		22