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Circuit diagram

Customer :
 Plant designation : PA-CONTROL Compact CPU4
 Project number : 1027196

Type : 2 Axes english
 Manufacturing date : 2002
 Incoming supply : 230V/50Hz/16A
 Feeding : 3x1,5mm²
 Fuse protection : 16A
 Control voltage : 24V

Created on : 16.10.02 Highest Page No. : 16
 Project leader : A.Pfeiffer
 Last changed : 28.06.05
 Editor : VOL

Editor		Date		Title page	Customer	Drawing-no. IEF	Page no.
Designer:	VOL	16.10.02				1027196	1
Modification:	VOL	28.06.05			Final customer	Drawing-no. customer	Pages
Print:		11.01.07					16
System:	Place:			PA-CONTROL Compact CPU4			

-A01.20
5.02

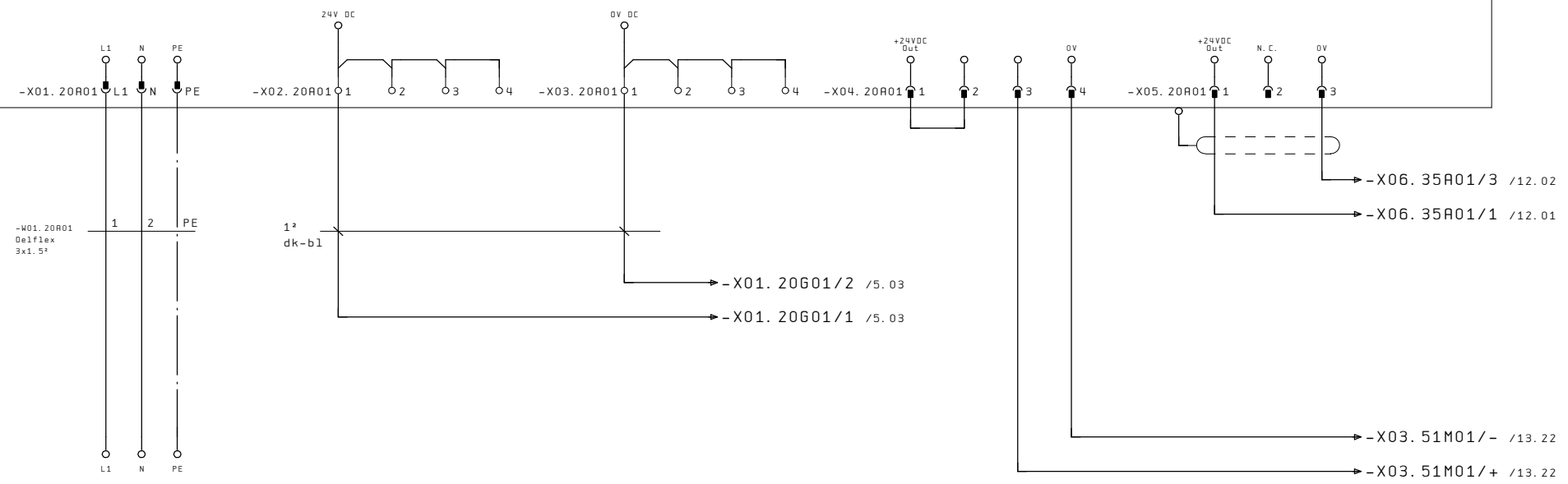
PA-CONTROL Compact

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

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

(X5)
Brake

(X1.4)
24V Limit switch



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PA-CONTROL Compact Power supply
PA-CONTROL Compact CPU4

Customer
Final customer

Drawing-no. IEF
1027196
Drawing-no. customer

Page no.
4
Pages
16

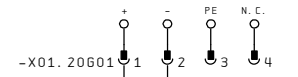
-R01.20
4.02

PA-CONTROL Compact

-G01.20

NT8

(X1.3)
24V IN



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

bn bu

4.12/ -X01.20G01/1

4.12/ -X01.20G01/2

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PA-CONTROL Compact CPU-Power supply

Customer

Drawing-no. IEF

Page no.

1027196

5

Final customer

Drawing-no. customer

Pages

PA-CONTROL Compact CPU4

16

-A01. 20
4. 02

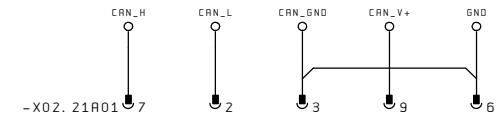
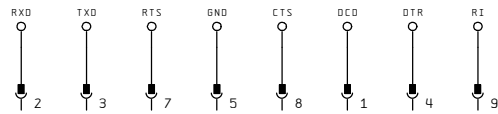
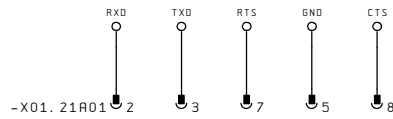
PA-CONTROL Compact

-A01. 21

(X1)
COM1 Interface

CPU 4

(X2)
CAN Interface



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PA-CONTROL Compact
Interface connection

PA-CONTROL Compact CPU4

Customer	Drawing-no. IEF	Page no.
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Final customer	Drawing-no. customer	Pages
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-A01.20
4.02

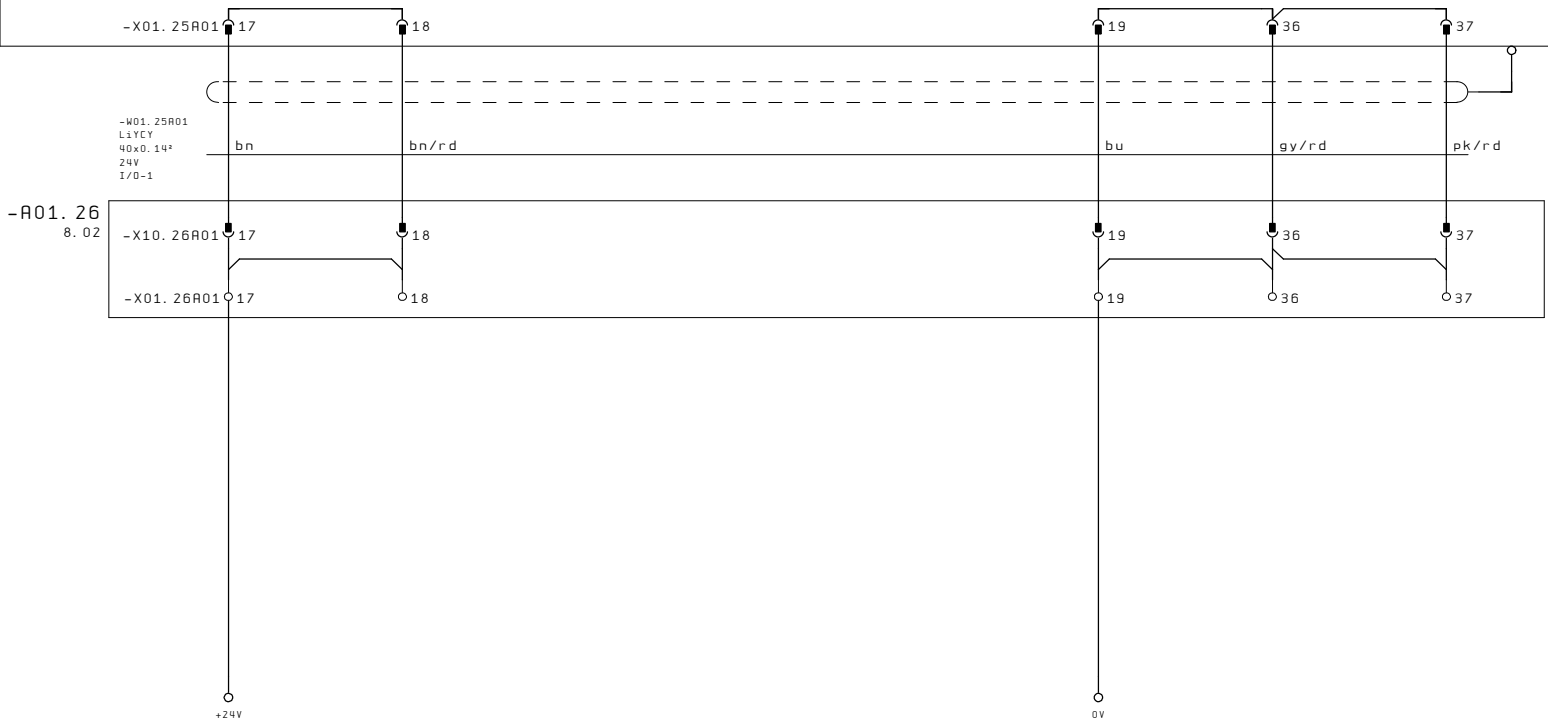
PA-CONTROL Compact


-A01.25
8.02

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)

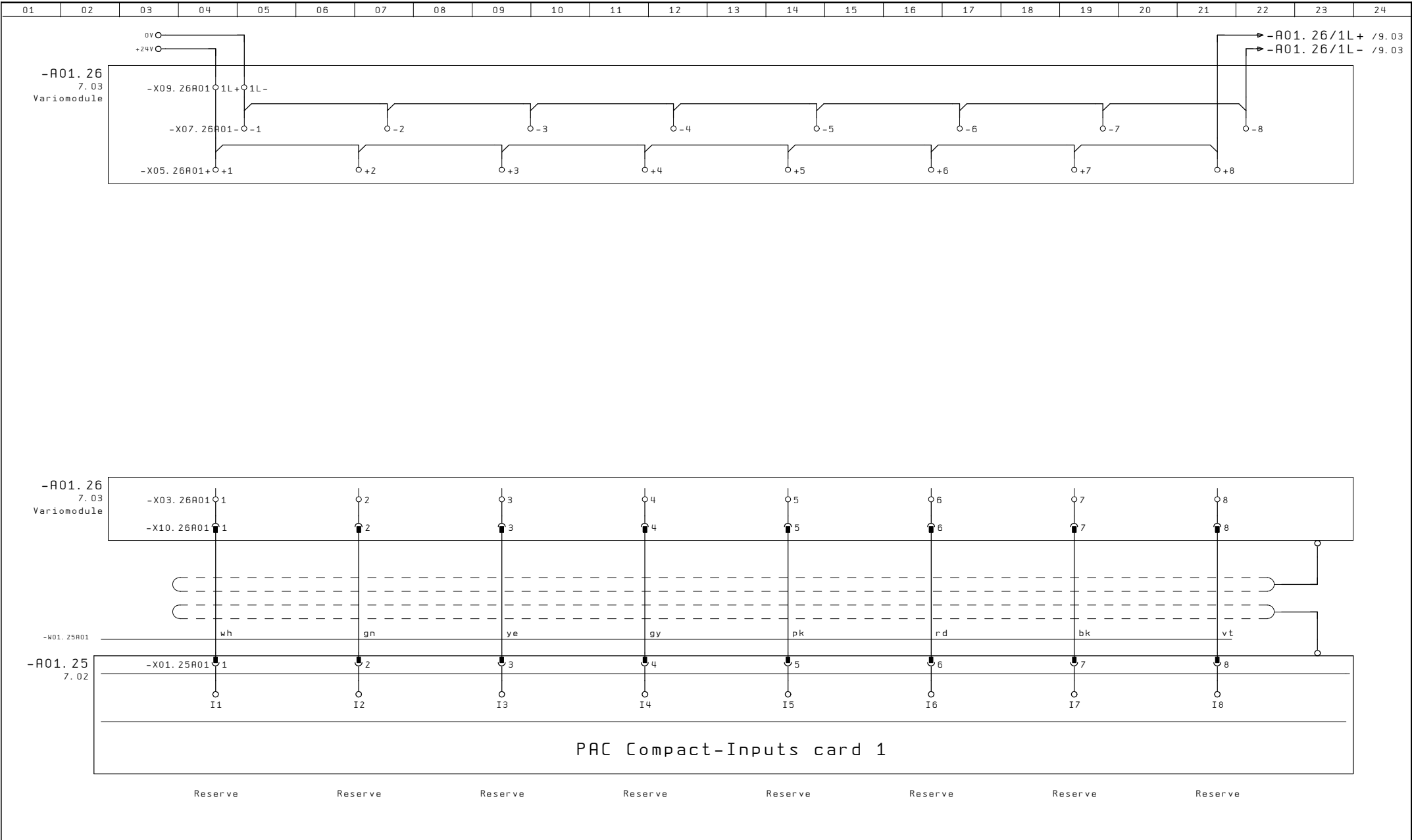


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Power supply PAC
Compact I/O-card

PA-CONTROL Compact CPU4

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

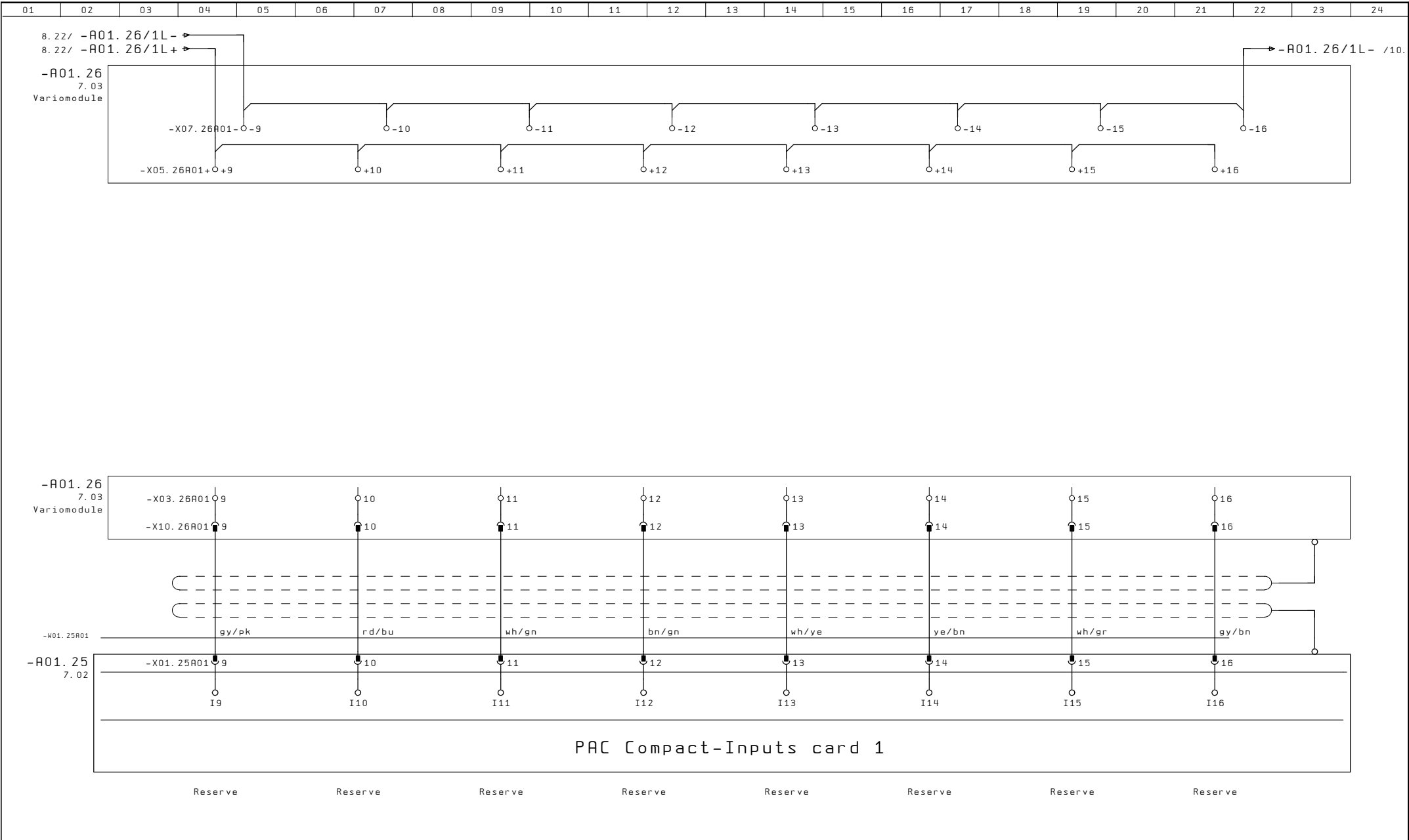


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PAC Compact Inputs I1-I8
PA-CONTROL Compact CPU4

Customer	Drawing-no. IEF	Page no.
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Final customer	Drawing-no. customer	Pages
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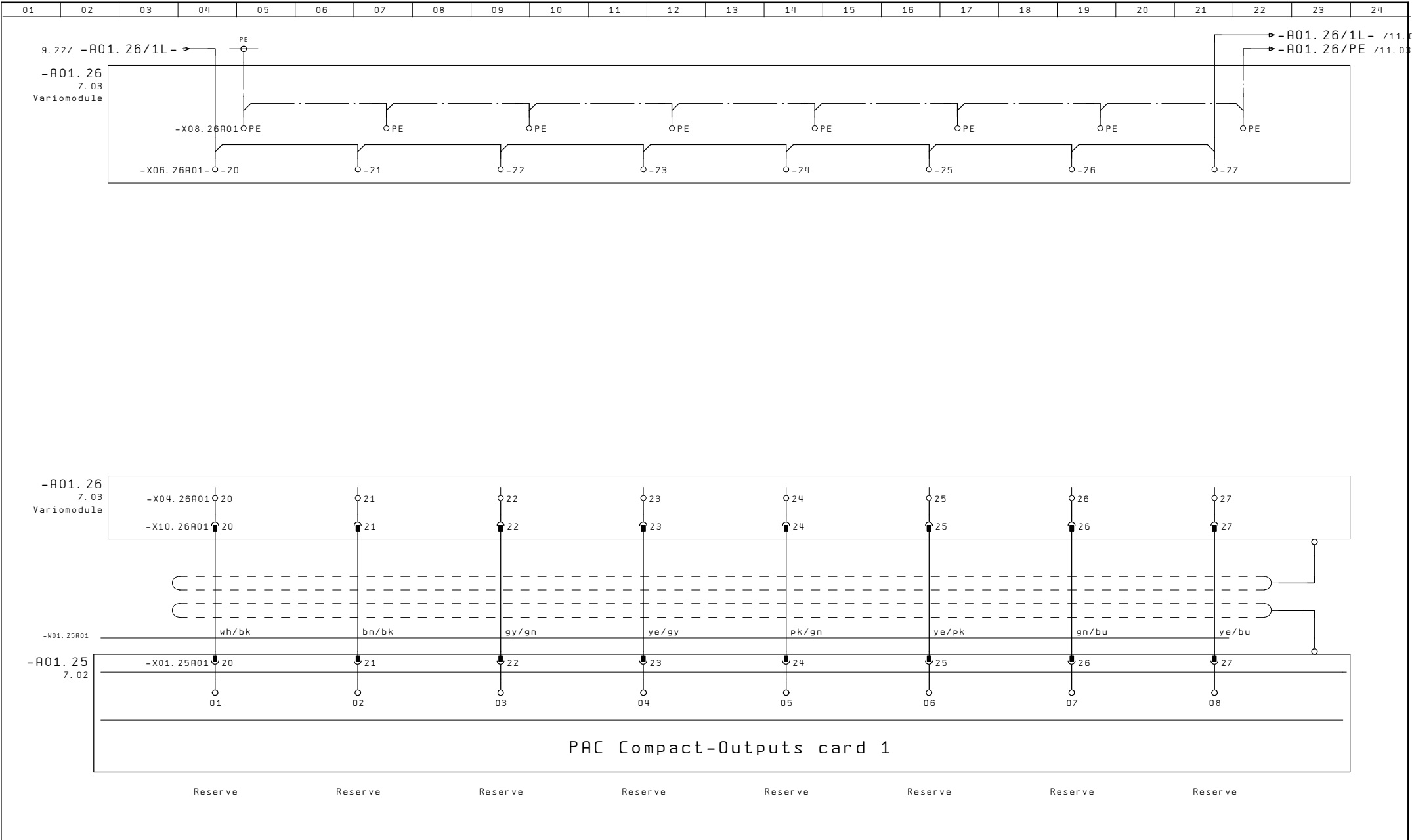
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PAC Compact Inputs
I9-I16

PA-CONTROL Compact CPU4

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

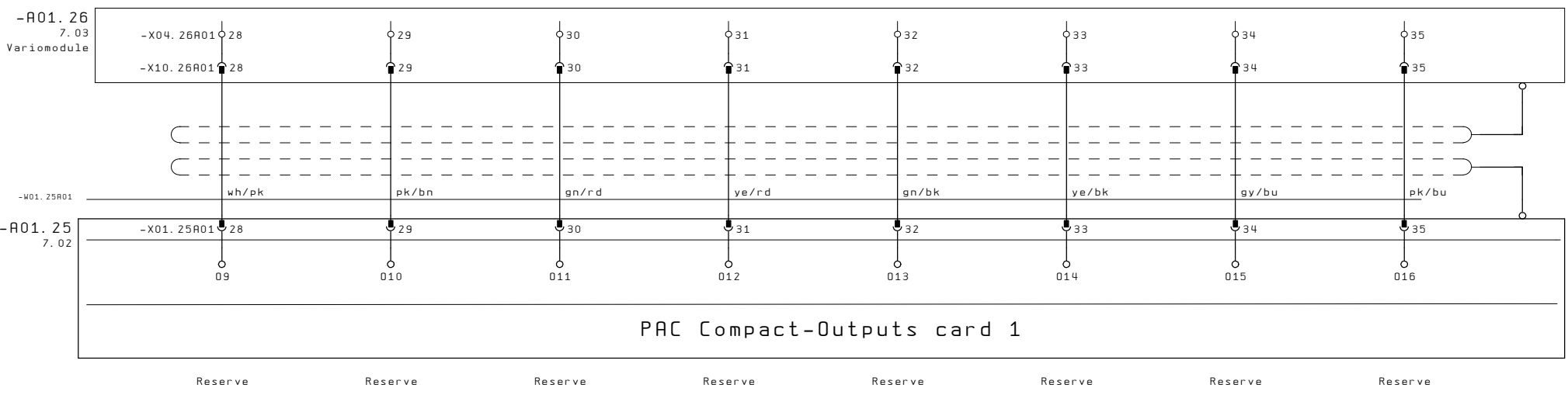
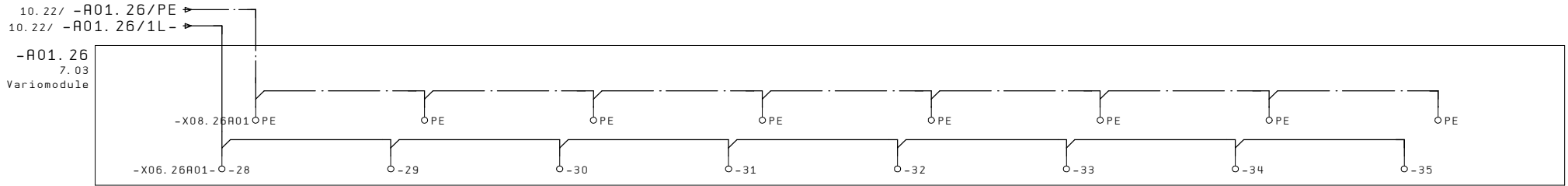


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PAC Compact Outputs 01-08	
PA-CONTROL Compact CPU4	

Customer	Drawing-no. IEF	Page no.
	1027196	10
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		16



PAC Compact-Outputs card 1

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PAC Compact Outputs	
09-016	
PA-CONTROL Compact CPU4	

Customer	Drawing-no. IEF	Page no.
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Final customer	Drawing-no. customer	Pages
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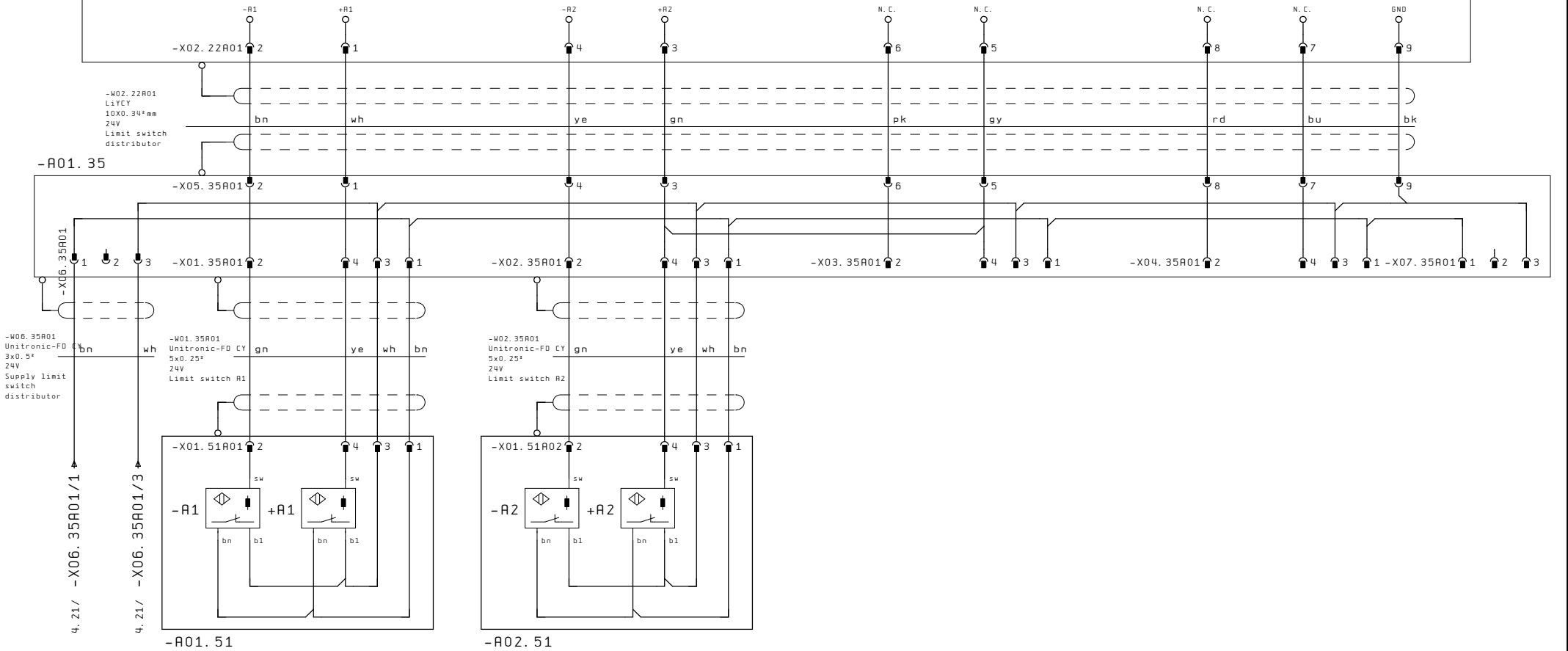
-A01. 20
4. 02

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 Compact CPU4

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

-A01.20
4.02

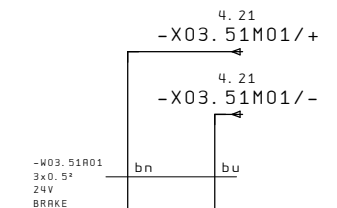
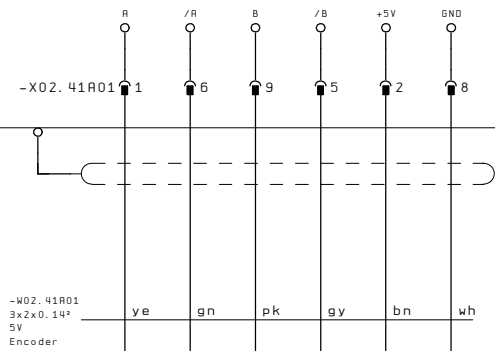
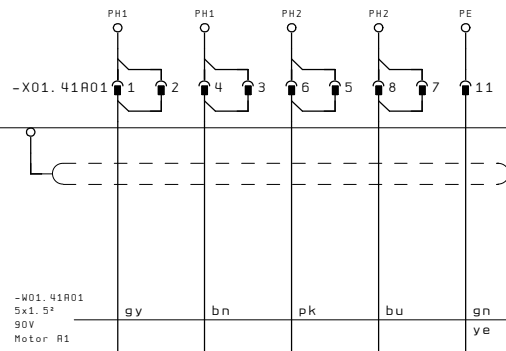
PA-CONTROL Compact

-A01.41

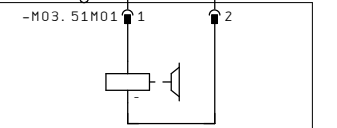
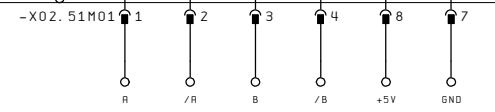
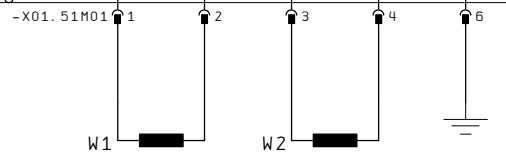
Power card 1

(X2) Motor

(X4) ENC



-M01.51




Motor

Rotation monitoring

Brake

optional

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Power card 1
A1-axis 2
phase stepper motor
PA-CONTROL Compact CPU4

Customer	Drawing-no. IEF	Page no.
	1027196	13
Final customer	Drawing-no. customer	Pages
		16

-A01. 20
4. 02

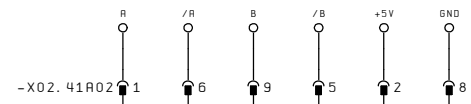
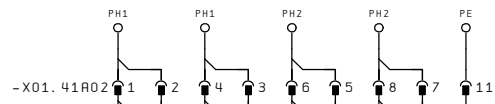
PA-CONTROL Compact

-A02. 41

Power card 2

(X2) Motor

(X4) ENC



-W01. 41A02
5x1.5²
90V
Motor A2

gy bn pk bu gn ye

-W02. 41A02
3x2x0.14²
5V
Encoder

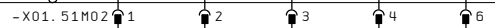
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-W03. 51A02
3x0.5²
24V
Brake

bn bu

Connection for brake

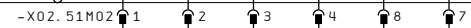
-M02. 51



W1

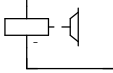
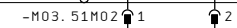
W2

Motor




R /R B /B +5V GND

Rotation monitoring



Brake

optional

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Power card 2
A2-axis 2
phase stepper motor
PA-CONTROL Compact CPU4

Customer	Drawing-no. IEF	Page no.
	1027196	14
Final customer	Drawing-no. customer	Pages
		16

-A01. 20
4. 02

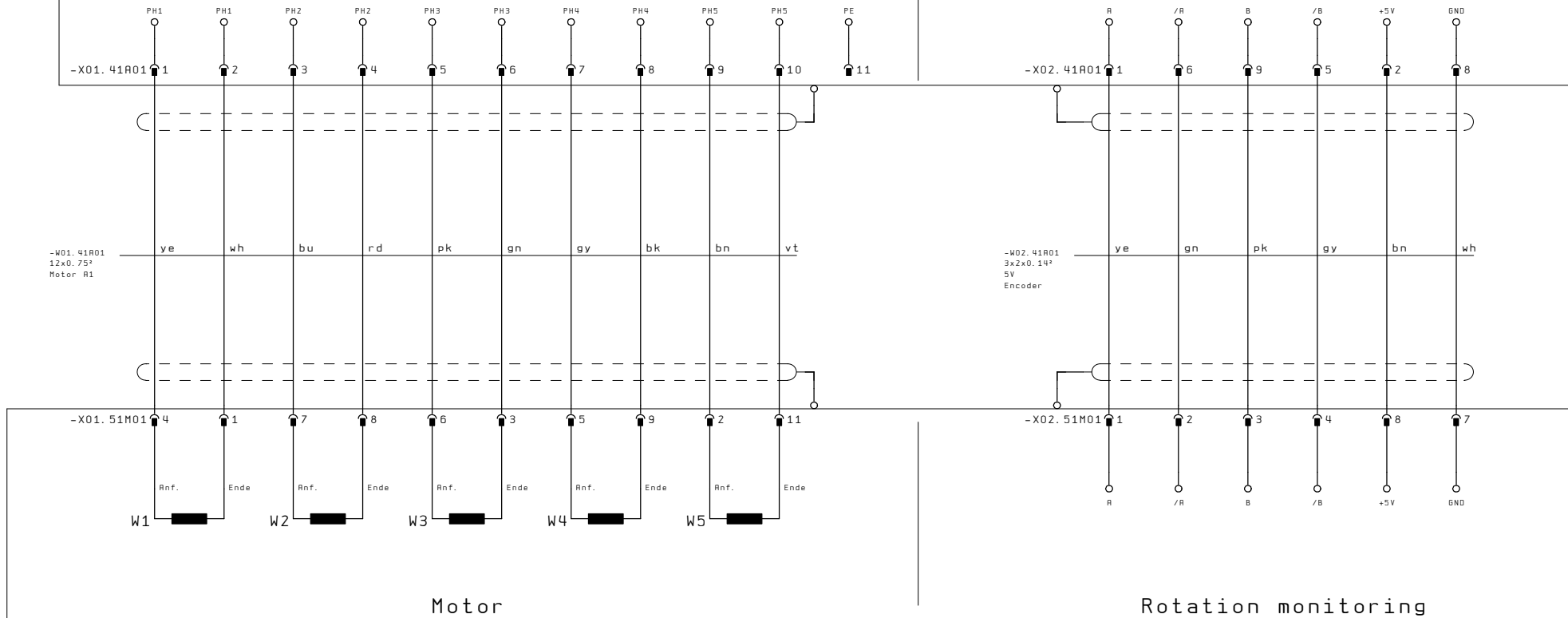
PA-CONTROL Compact

-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 Compact CPU4

Customer	
Final customer	

Drawing-no. IEF	1027196
Drawing-no. customer	

Page no.	15
Pages	16

-A01. 20
4. 02

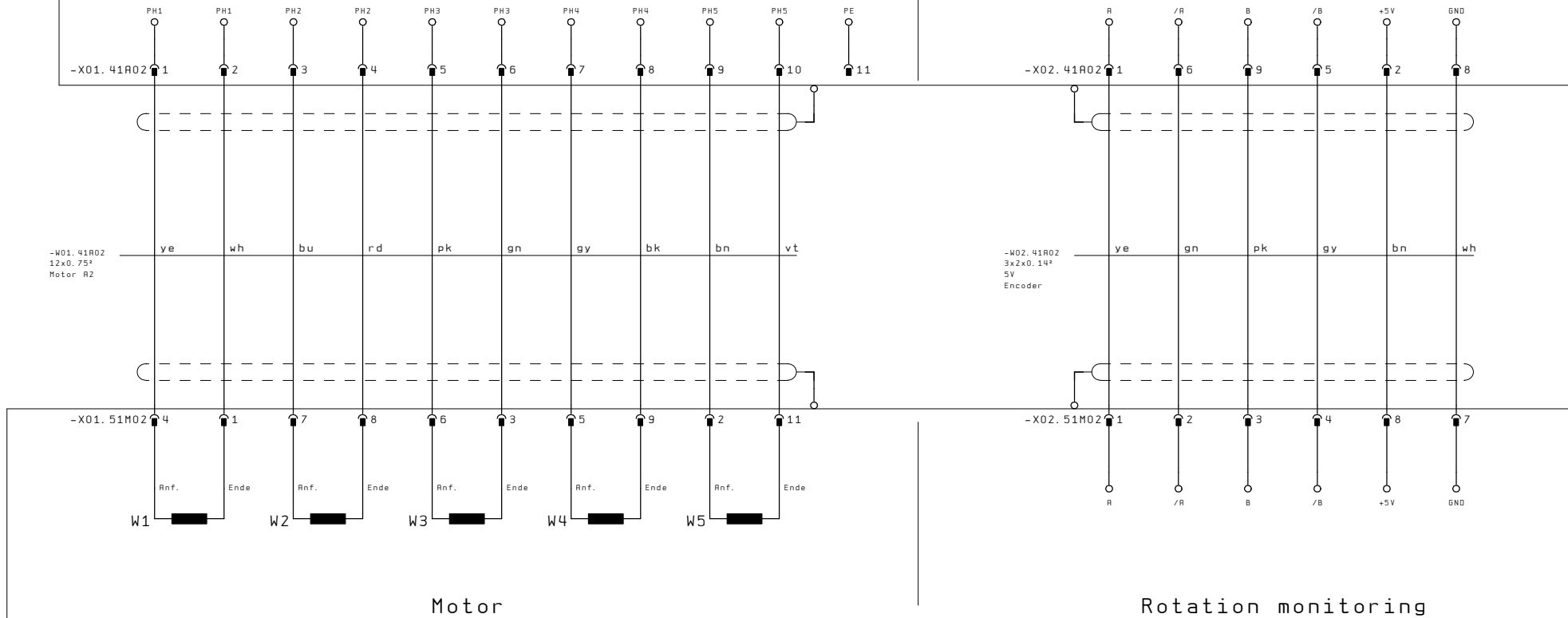
PA-CONTROL Compact

-A02. 41

Power card 1

(X2) Motor

(X4) ENC



-M02. 51

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Power card 2
A2-axis 5-phase
stepper motor
PA-CONTROL Compact CPU4

Customer	
Final customer	

Drawing-no. IEF	1027196
Drawing-no. customer	

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Pages	16