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Revison 02 2015 03 Rel15.1

Sh. 10 Revision 02, Design 14, Release 15.1//

The earlier revision 01, title was wrongly Revision 00 2013 12 R13.2 New circuit dia.

Sh. 17 Signal RCH 1.2 and RCH 2.2 have change direction at coordinate 4 and 5.

Sh.19 At coordinat 4 and 5, the signal line have exchange to dashed.

Wire YE, GN, BU, VT//Text: "Not connected" add. coordinate 1 at A21:X15

Sh. 22 Hot plug conductor BU2 removed //FPU, Flexpendant removed//

Conductor connected to X2 and Equipotential bonding, coordinate column 4

Sh. 22.1 New sheet FPU, Hold to run, T10 Jogging

Sh. 66.1 New sheet. IRB360 Customer power/Single

Revison 03 2015 09 Rel15.2

Sh.20 The presentation for the dubbel press DP5 and DP6 have been changed.

And the reference between the sh 20 and 21 are drawn internal the unit.

Sh.21 The presentation for the dubbel press DP5 and DP6 have been changed.

And the reference between the sh 20 and 21 are drawn internal the unit.

wire 213 add, connect to the chassi, the wire from x2 to 14 was removed.

The reference to 22.1 with interruption points add.

Sh. 53 Connection between A44.x1:1 and x4:2 was removed.

Sh. 75 Implement the CS/CP XS5

Sh. 83 Shield adjusted coordinate 3 and 7

Sh. 83.4 added IRB4400 implemented.

Sh. 83.5 added IRB4400 implemented// Shield symbol was adjusted, coordinate 4, 5, 6

Sh. 83.6 added IRB4400 implemented// Shield symbol was adjusted, coordinate 4,7

Sh. 89 Shield adjusted coordinate 3 and 7

Sh. 100 Shield adjusted coordinate 3 and 7

Sh. 101 Shield adjusted coordinate 3 and 7

Revison 04 2016 02 Rel16.1

Sh. 1 Copyright 2015 updated.

Sh.12 Safety board added coordinate 2-3

Sh.23 New main computer board DSQC 1018

Sh.24 New main computer board DSQC 1018

Sh.35 New main computer board DSQC 1018

Sh.36 New main computer board DSQC 1018

Sh.37.2 Added Ethernet switch A64 Camera

Sh.37.3 Added, Vision, Integrated Camera

Sh. 45 Ethernet switch A64 camera

Sh. 58 IRB140 floor cable added

Sh. 59 IRB140 floor cable added

Sh. 72.1-72.3 IRB1200 added.

Revison 05 2016 09 Rel16.2

Sh.10 revision page updated.

Sh.12 Any bus and Interface board was moved to sheet 12.1 a new sheet.

Sh.12.1 New sheet Any bus and Interface board moved from sheet 12. Profibus add. DSQC1005.

Sh.40 text added, for Rel. 16.1 and earlier

Sh.40.1 New sheet with the ner Remote Service box from Rel.16.2

Sh.44 IRB460 was removed.

Sh.45 IRB460 was added.

Sh. 72.2 The floor cable for the SMB and the POWER CABLE added.

Sh. 72.3 The customer connection terminal was changed to Alphanumeric

Sh. 73-75 Title page changed to IRB1600/1660 before IRB1600.

Sh. 97 XS/XP58 was removed

Revison 06 2017 03 Rel17.1

Sh. 2-5 Updated Table of contents

Sh. 7 Revised Device list

Sh. 10 new revision information

Sh. 12 New computer board A31 text DSQC 1024 added.

Sh. 12.1 New Com Express module DSQC1022/1026

Sh. 23 DSQC 1024 added

Sh. 24 DSQC 1024 added

Sh. 34.2 New sheet Local I/O Digital Base 16in/16out

Sh. 34.4 New sheet Local I/O Digital add on 16in/16out

Sh. 34.6 New sheet Local I/O Analog add on 4in/4out

Sh. 34.8 New sheet Local I/O Relay add on 8ro/8di

Sh. 83.3 new sheet was before 84, should be implemented with other IRB2600

Sh. 90 TXD/RXD add. to XP9 coordinate 2

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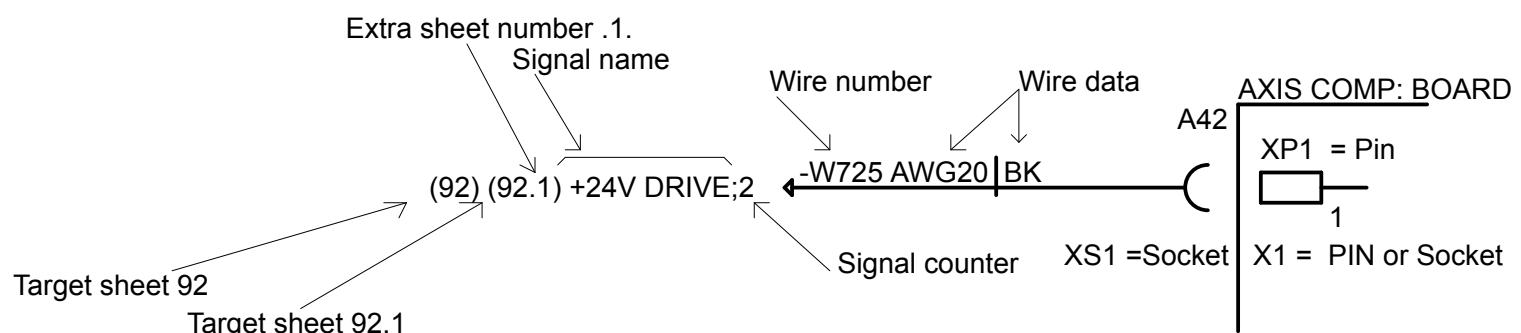
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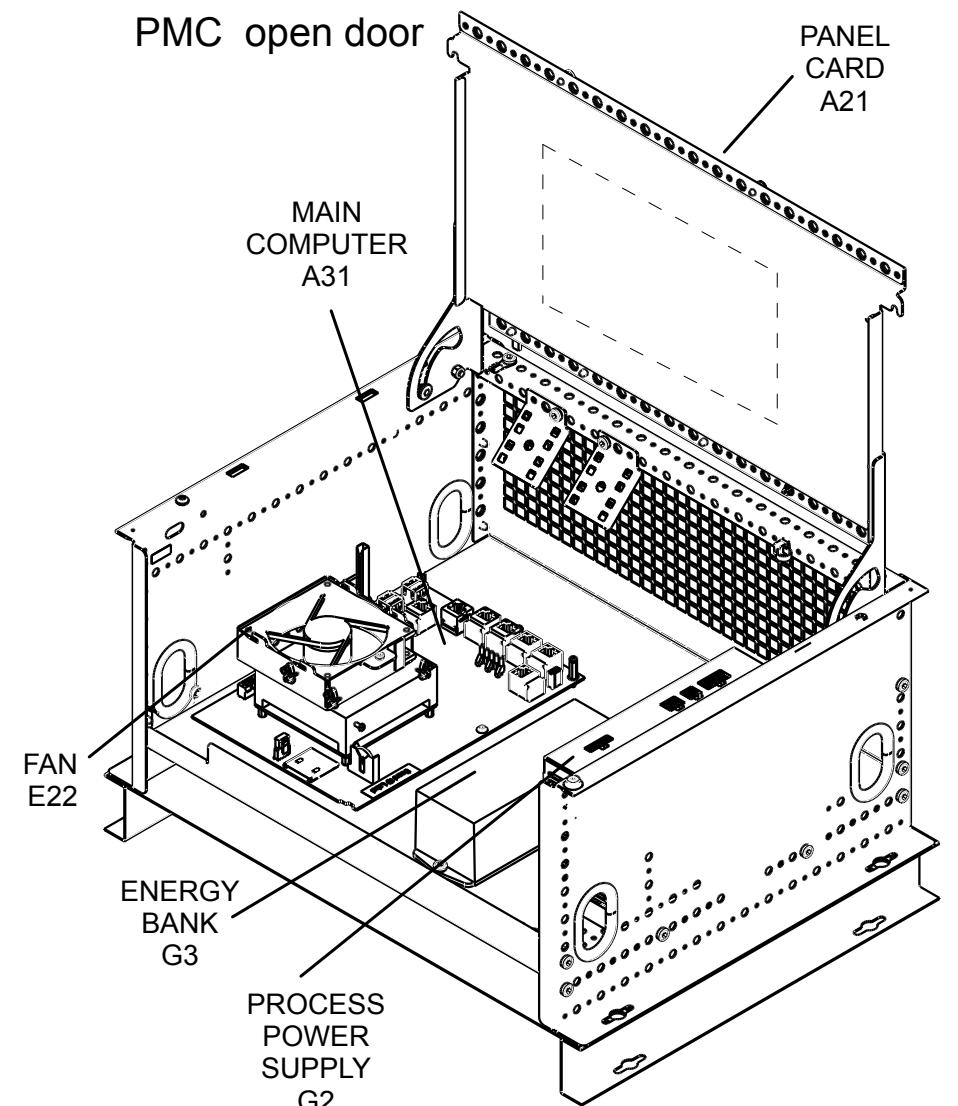
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	Stomme, ramverk/ Functional equipotential bonding		Slutkontakt/ Make contact, general.		Filter/ Filter.		Column coordinate number on the drawing																				
	Stomme, ramverk/ Functional equipotential bonding		Handmanövrerad brytare, allmän/ Switch manually operated, general.		Lampa/ Lamp.		Wire/connector one colour code. BK = Black, BN = Brown, RD = Red, OG = Orange YE = Yellow, GN = Green, BU = Blue, VT = Violet GY = Grey, WH = White, PK = Pink, TQ = Turquoise																				
	Jord, allmän symbol/ Earth , general symbol.		Styrning med spak/ Actuator (operated by lever).		Kontakthylsa hona/ Socket outlet female.		Wire/connector two colour code.																				
	Störningsfri jord/ Functional earthing.		Styrning genom vridning/ Actuator(operated by turning).		Kontaktstift hane/ Pin male.		Example 1 : WH/RD = White and Red.																				
	Skyddsjord/ Protective earthing.		Styrning genom tryckning/ Actuator(operated by pushing).		Strömtransformator/ Current transformer.		Example 2 : GNYE = Green and Yellow.																				
	Twinnade ledare/ Twisted conductors.		Nödstopp (svamptryckknapp)/ Actuator, emergency.		Likström, DC / Direct current, DC.		Example: Cable with four colour coded wire, square area AWG24 and cable number 709.																				
	Trippel twinnade ledare/ Triple twisted conductors.		Styrning, elektromagnetisk styrdon/ Actuator, by electromagnetic.		Växelström, AC / Alternating current, AC.		Translation table square area from AWG to mm2.																				
	Fyrdubbel twinnade ledare/ Quadruple twisted conductors.					<table border="1"> <tr><td>AWG28</td><td>0,093</td><td>AWG18</td><td>0,93</td></tr> <tr><td>AWG26</td><td>0,15</td><td>AWG16</td><td>1,25</td></tr> <tr><td>AWG24</td><td>0,25</td><td>AWG14</td><td>2,44</td></tr> <tr><td>AWG22</td><td>0,34</td><td>AWG12</td><td>3,02</td></tr> <tr><td>AWG20</td><td>0,56</td><td>AWG10</td><td>4,65</td></tr> </table>	AWG28	0,093	AWG18	0,93	AWG26	0,15	AWG16	1,25	AWG24	0,25	AWG14	2,44	AWG22	0,34	AWG12	3,02	AWG20	0,56	AWG10	4,65	
AWG28	0,093	AWG18	0,93																								
AWG26	0,15	AWG16	1,25																								
AWG24	0,25	AWG14	2,44																								
AWG22	0,34	AWG12	3,02																								
AWG20	0,56	AWG10	4,65																								
	Twinnade ledare part A med part B Twisted conductors part A with part B																										
	Skärm/ Shield.																										

Example, showing how to read the information before and after a signal.



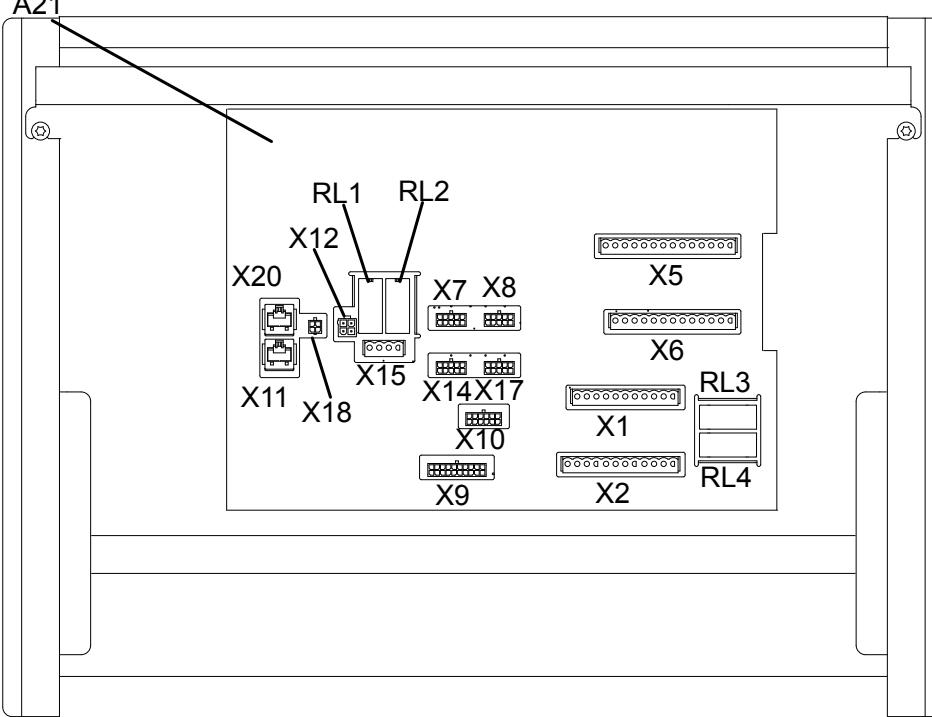


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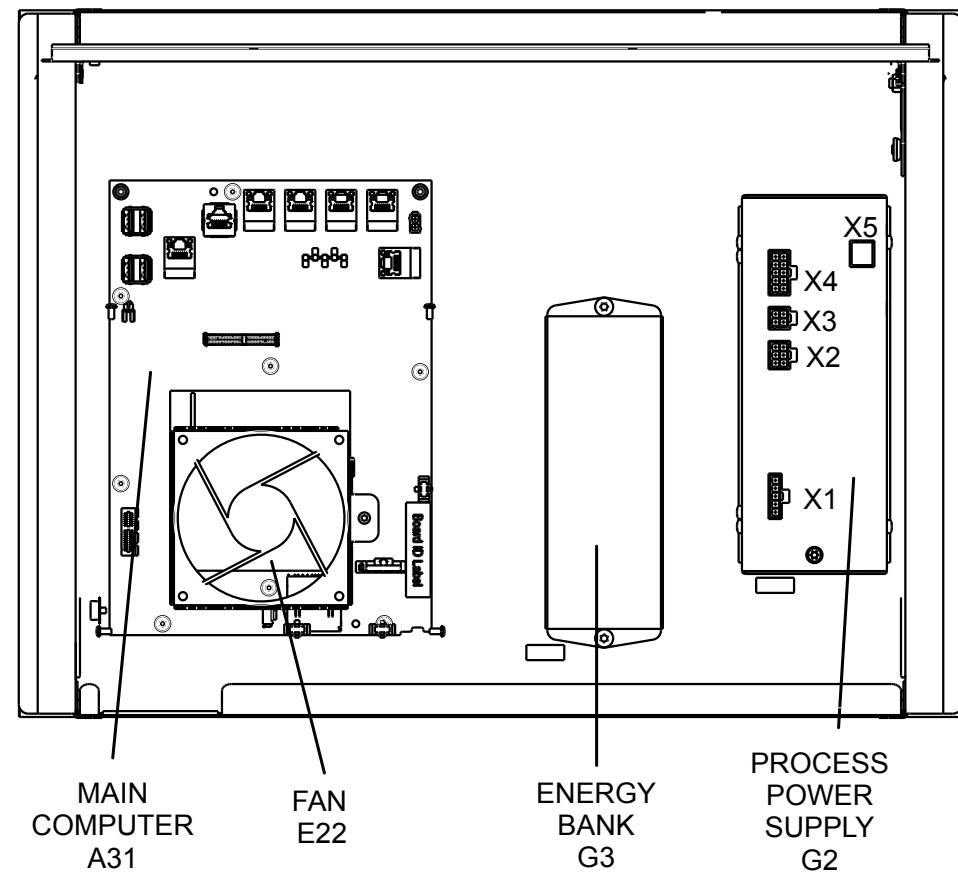
Main Computer Unit DSQC1000 Rel. 15.2 and earlier
Main Computer Unit DSQC1018 Rel. 16.1
Main Computer Unit DSQC1024 Rel. 17.1

PANEL
CARD
A21

PMC top view



PMC bottom view



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VIEW OF CONTROL MODULE

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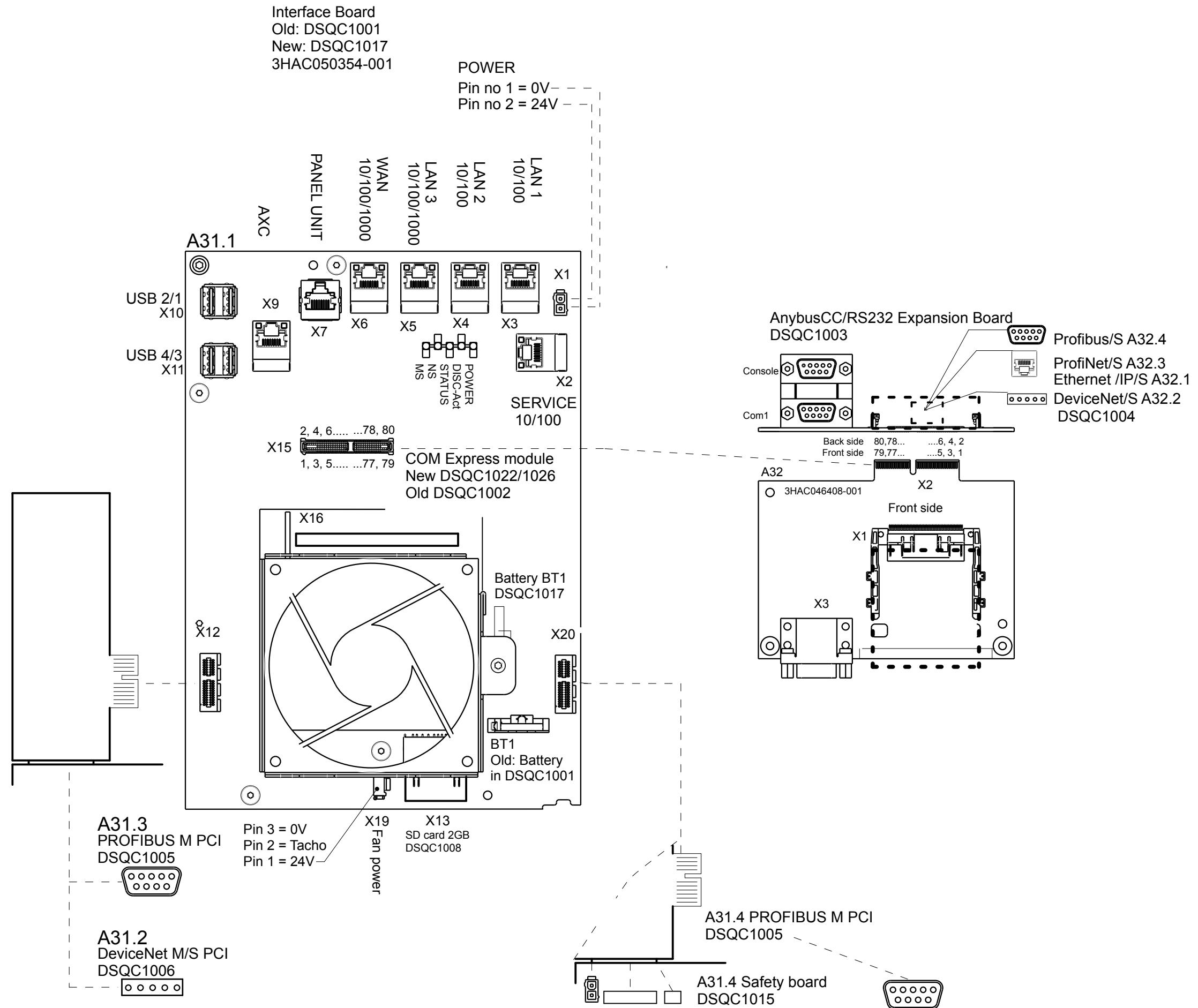
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INTERFACE BOARD, ANYBUS

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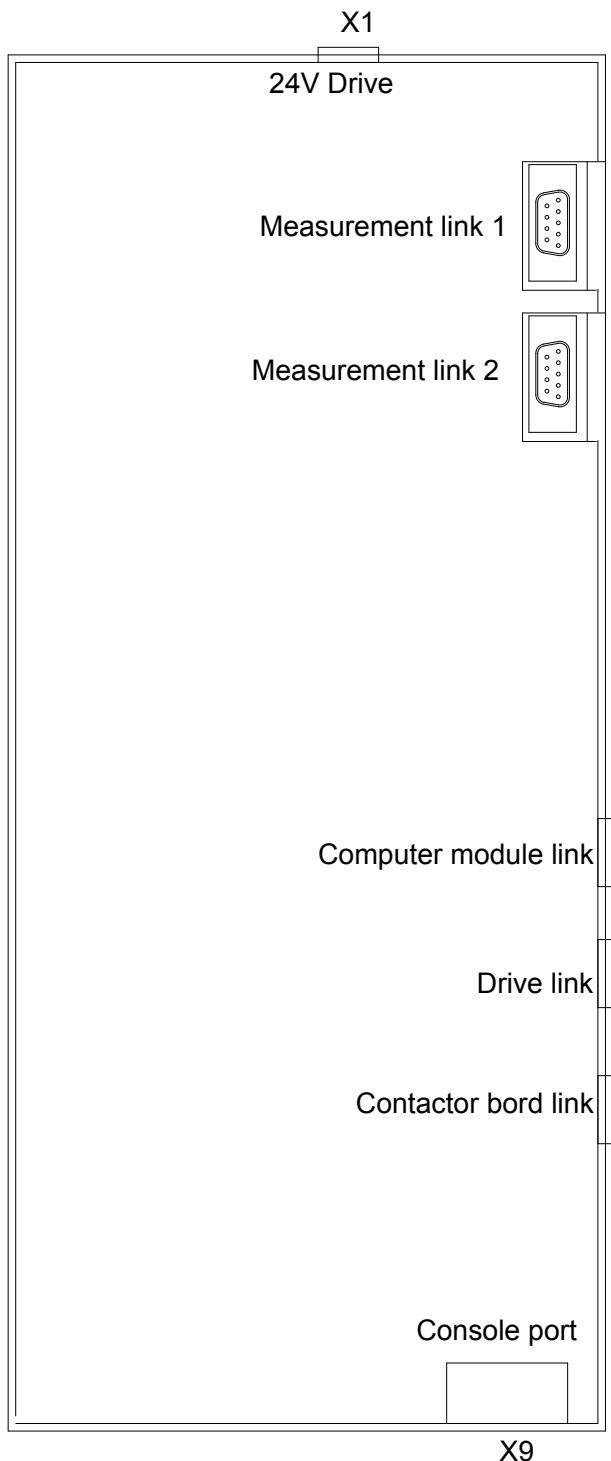
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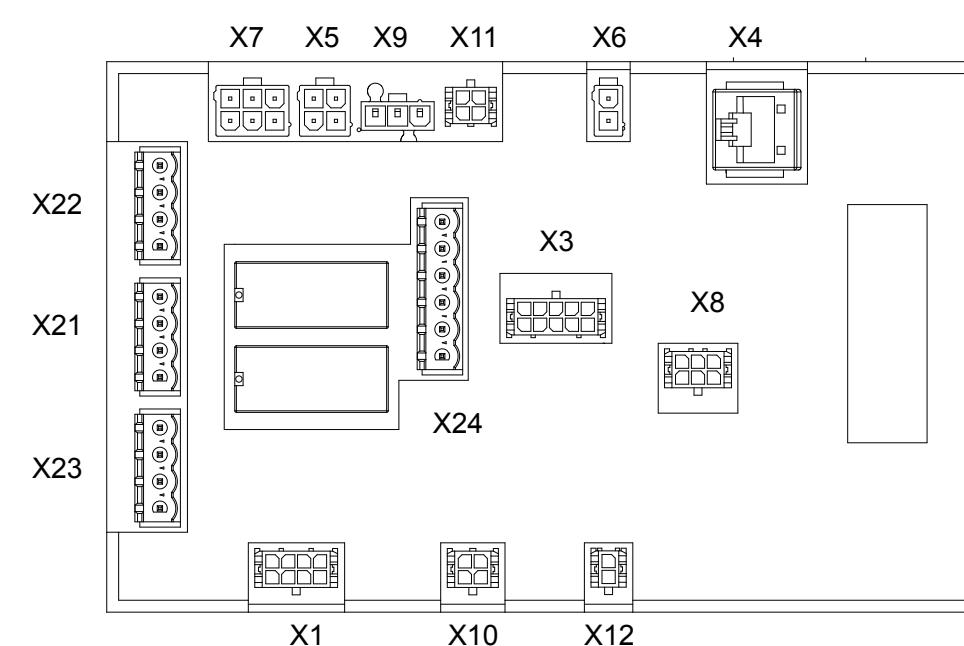
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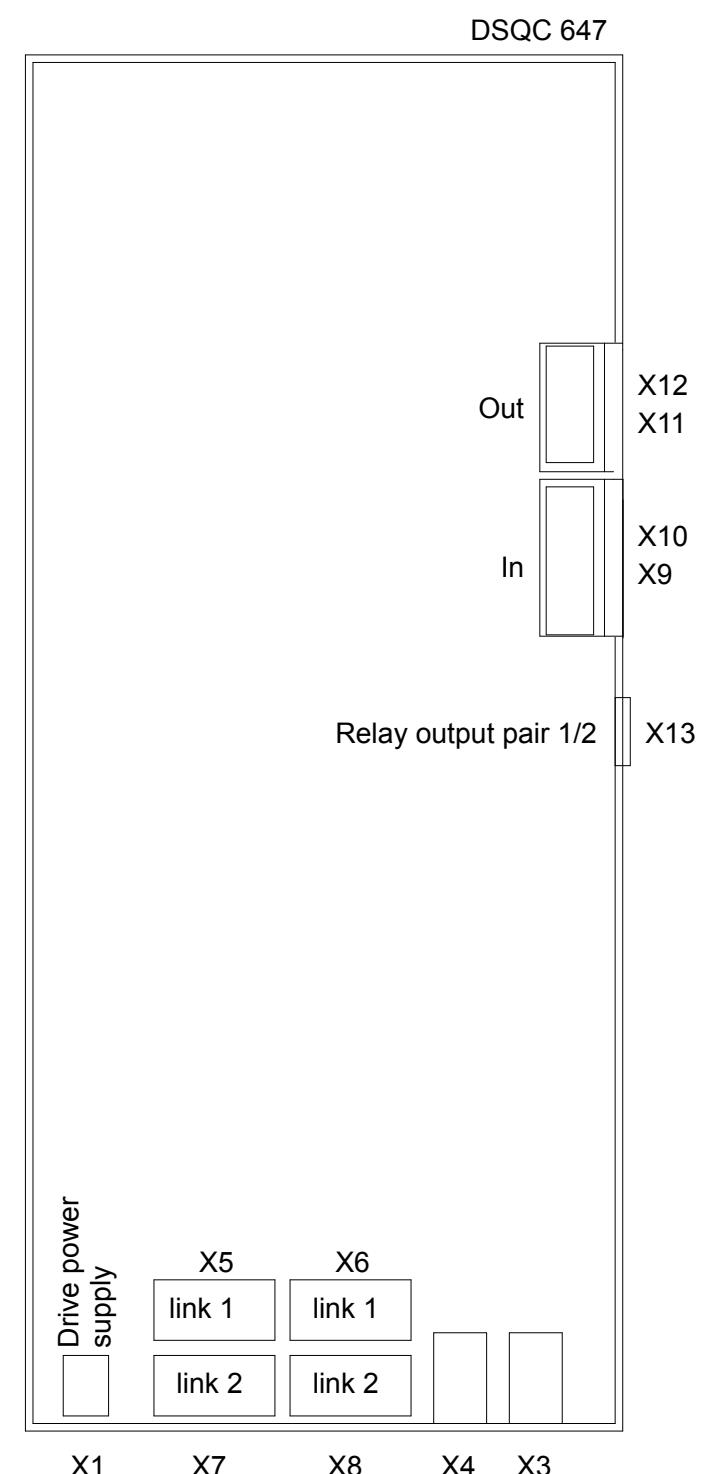
A42 Axis computer unit



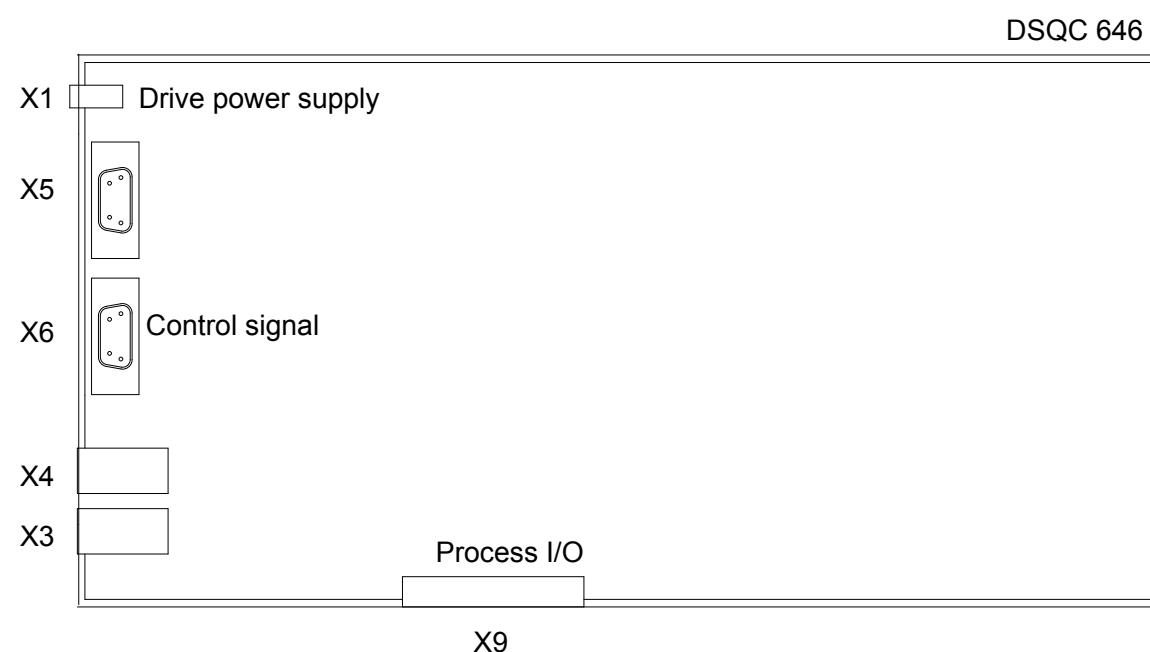
A43 Contactor unit



A44 Safe move



A44 EPS unit



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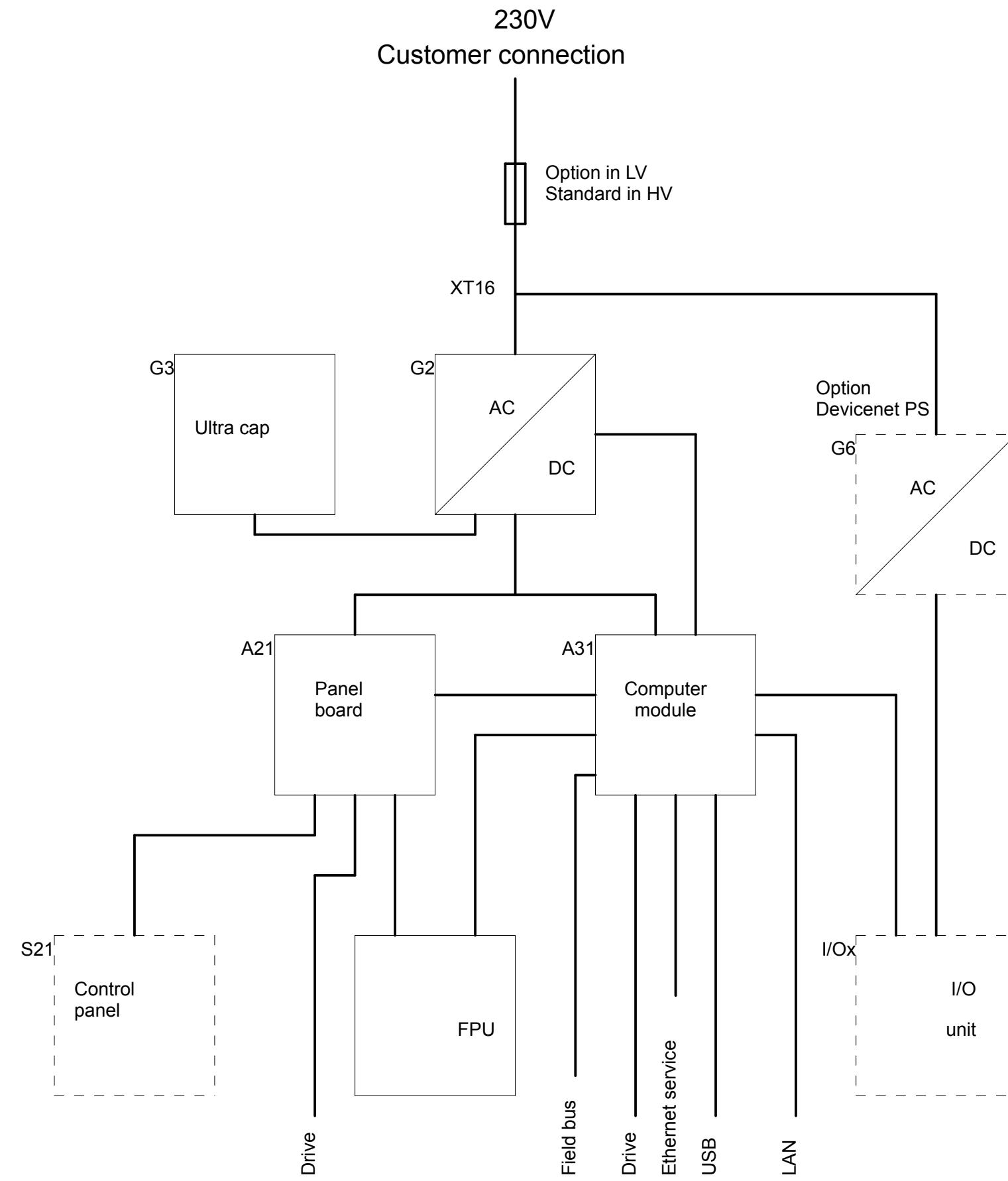
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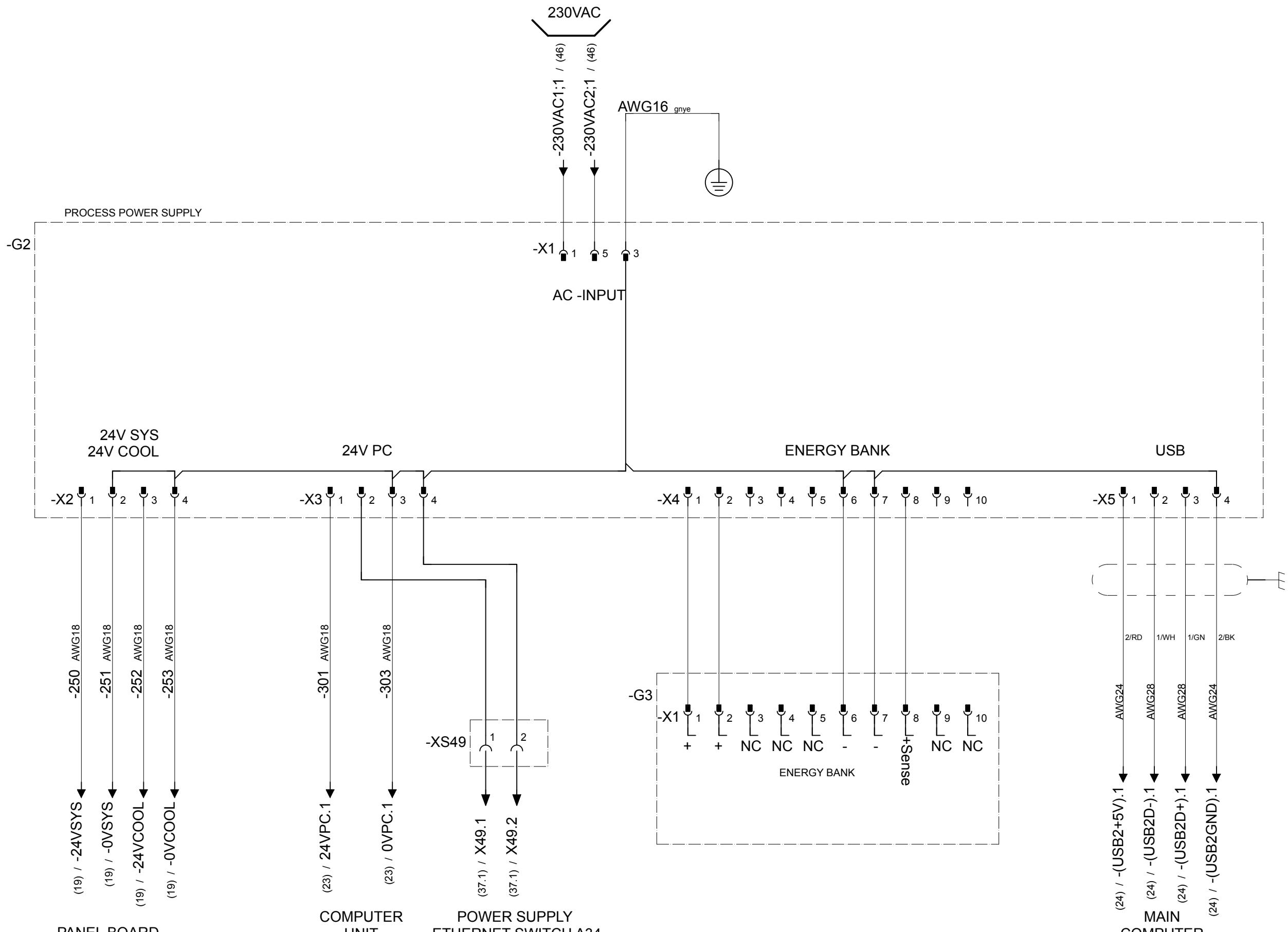
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PROCESS POWER SUPPLY

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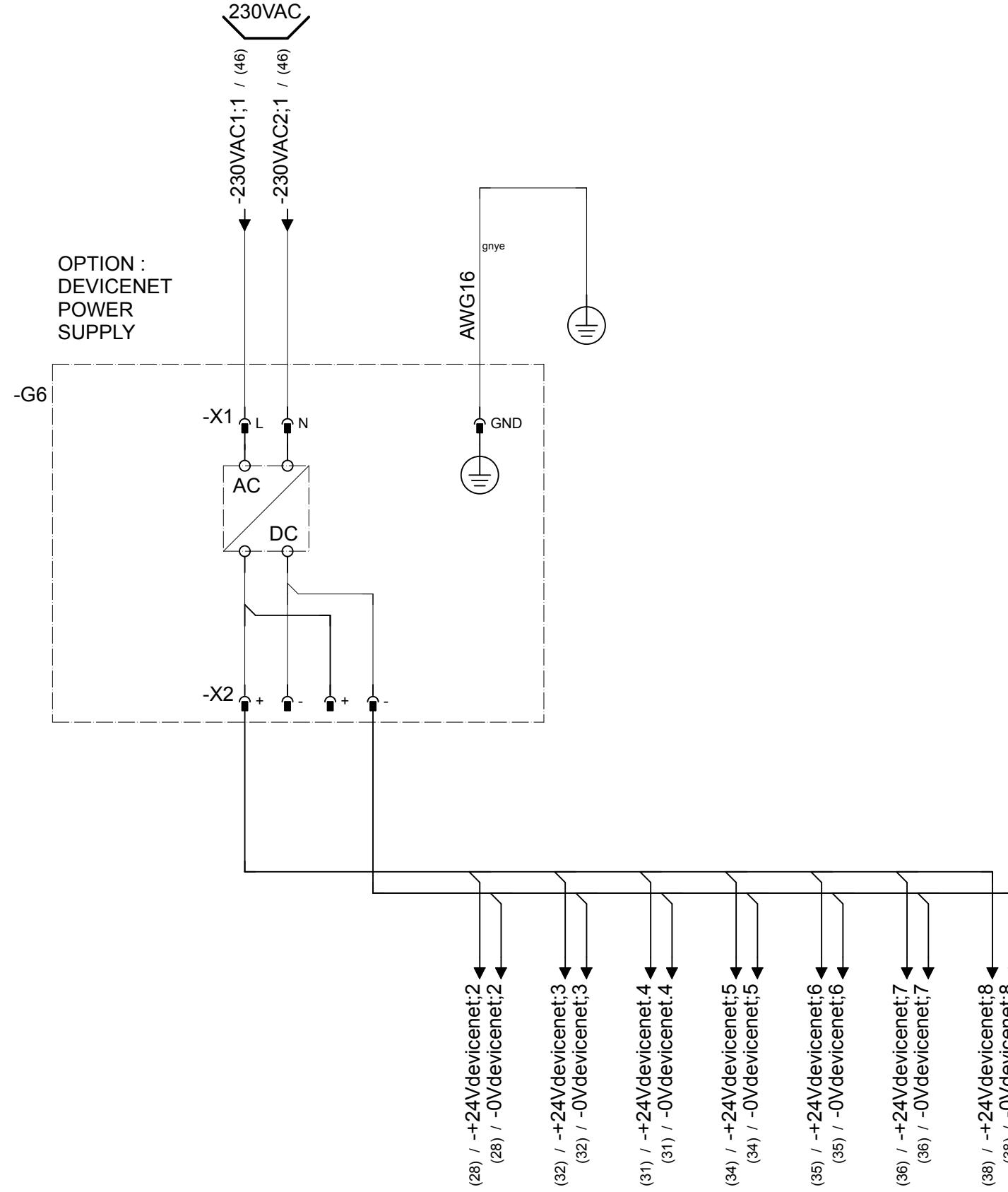
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Prepared by, date: Thomas Stålnacke 2005-05-19 | Approved by, date: S Ögren 20170317 2017-03-17



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OPTION : POWER SUPPLY DEVICENET

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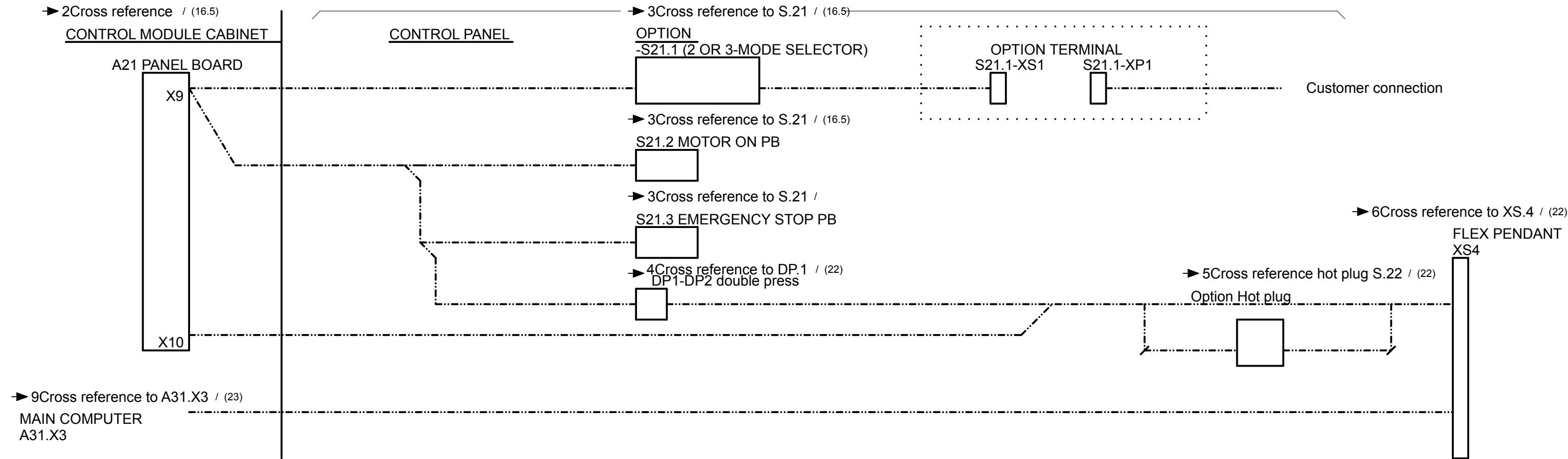
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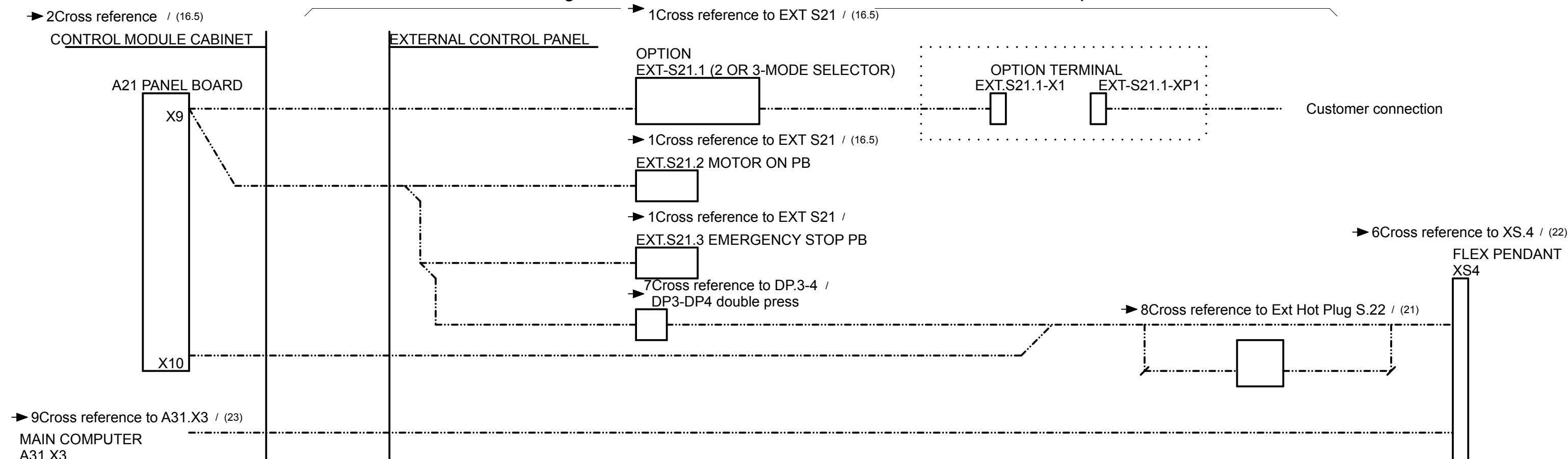
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Block diagram for the Run chain in A21 Panel board and S21 Control Panel with Options.



Block diagram for the Run chain and External Control Panel with Options.



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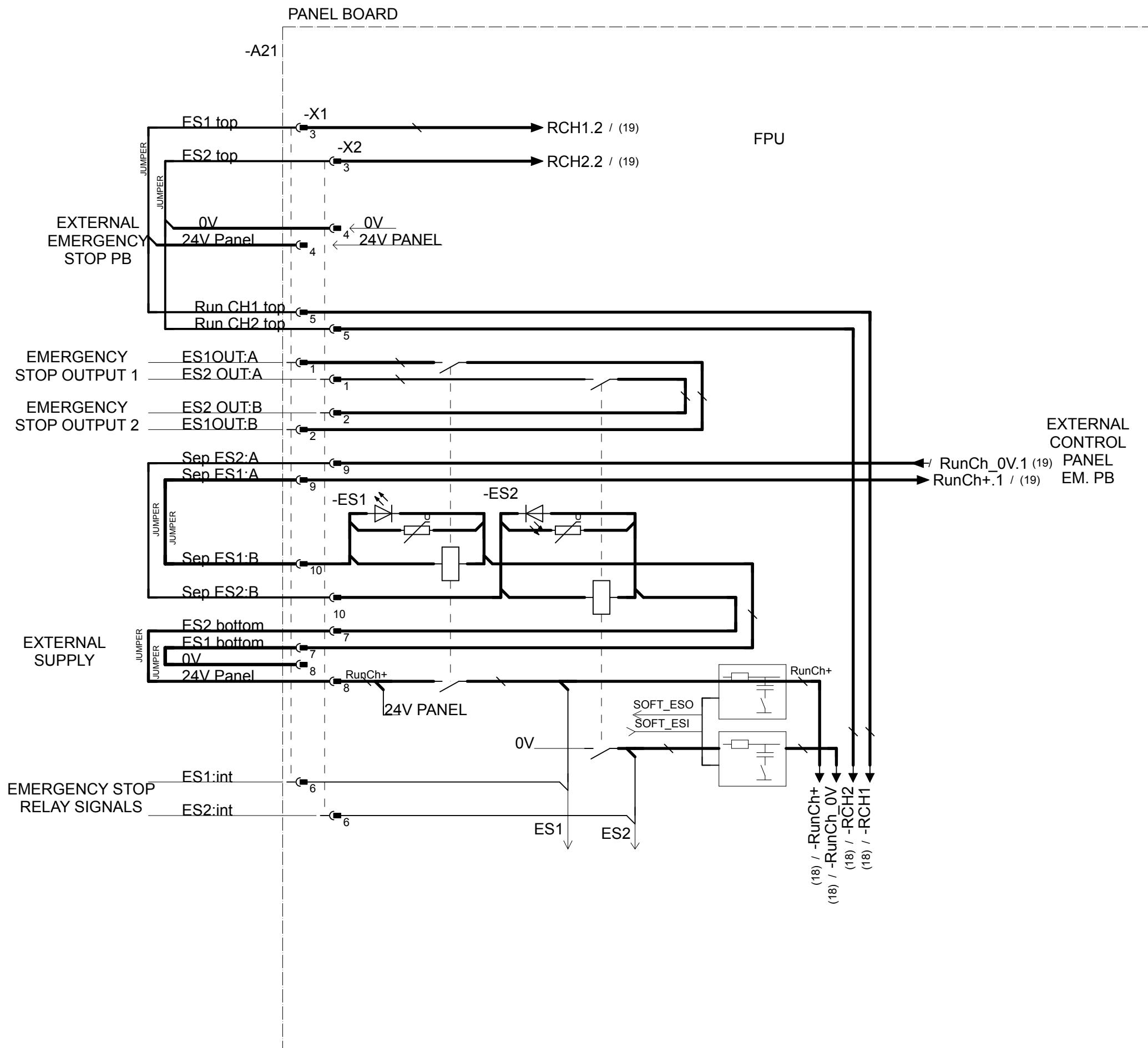
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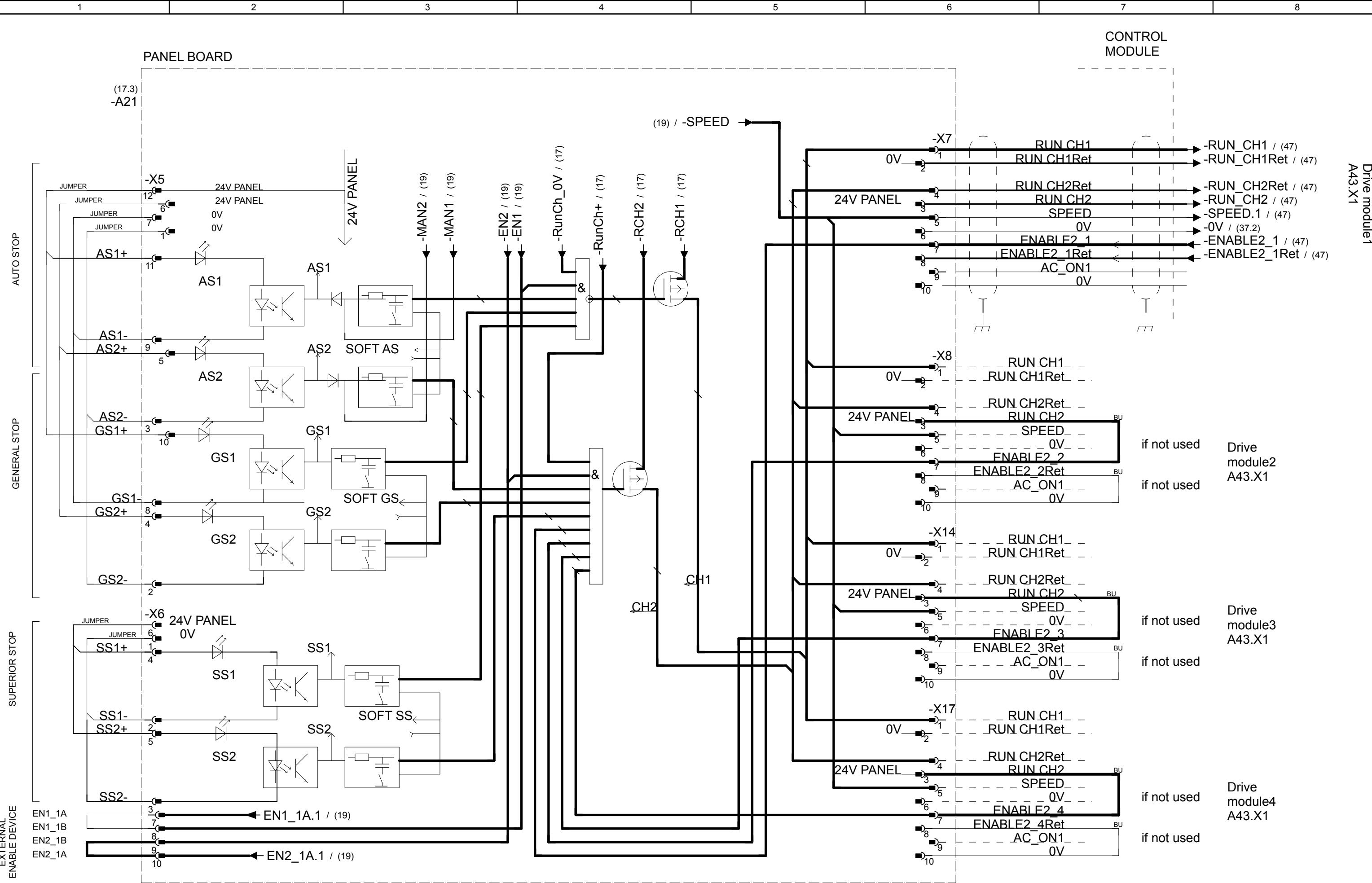
3HAC026871-020

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Next 17

Total 116





Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
RUN CHAIN and PANEL BOARD A21 Sh. 2 of 3

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

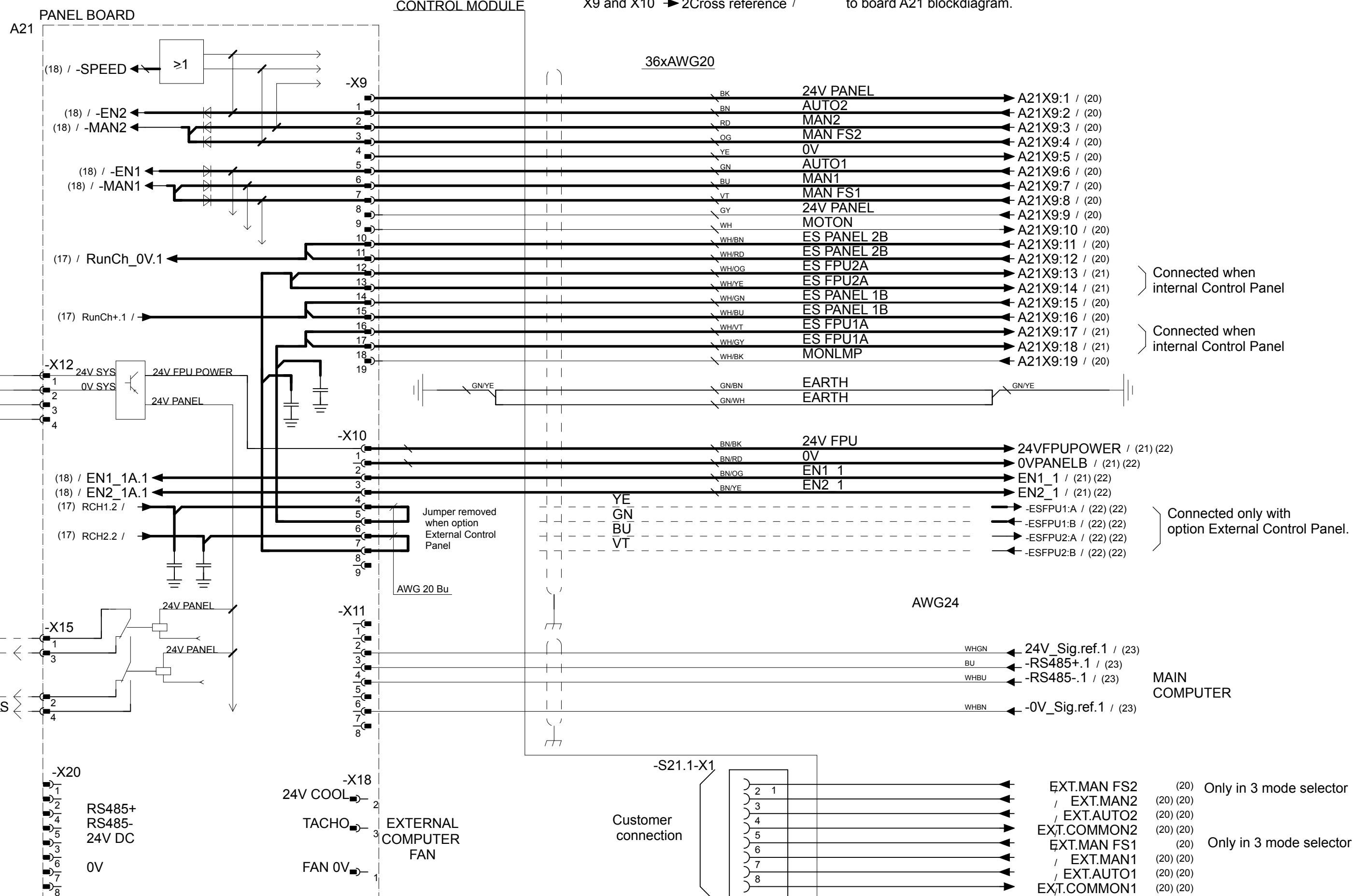
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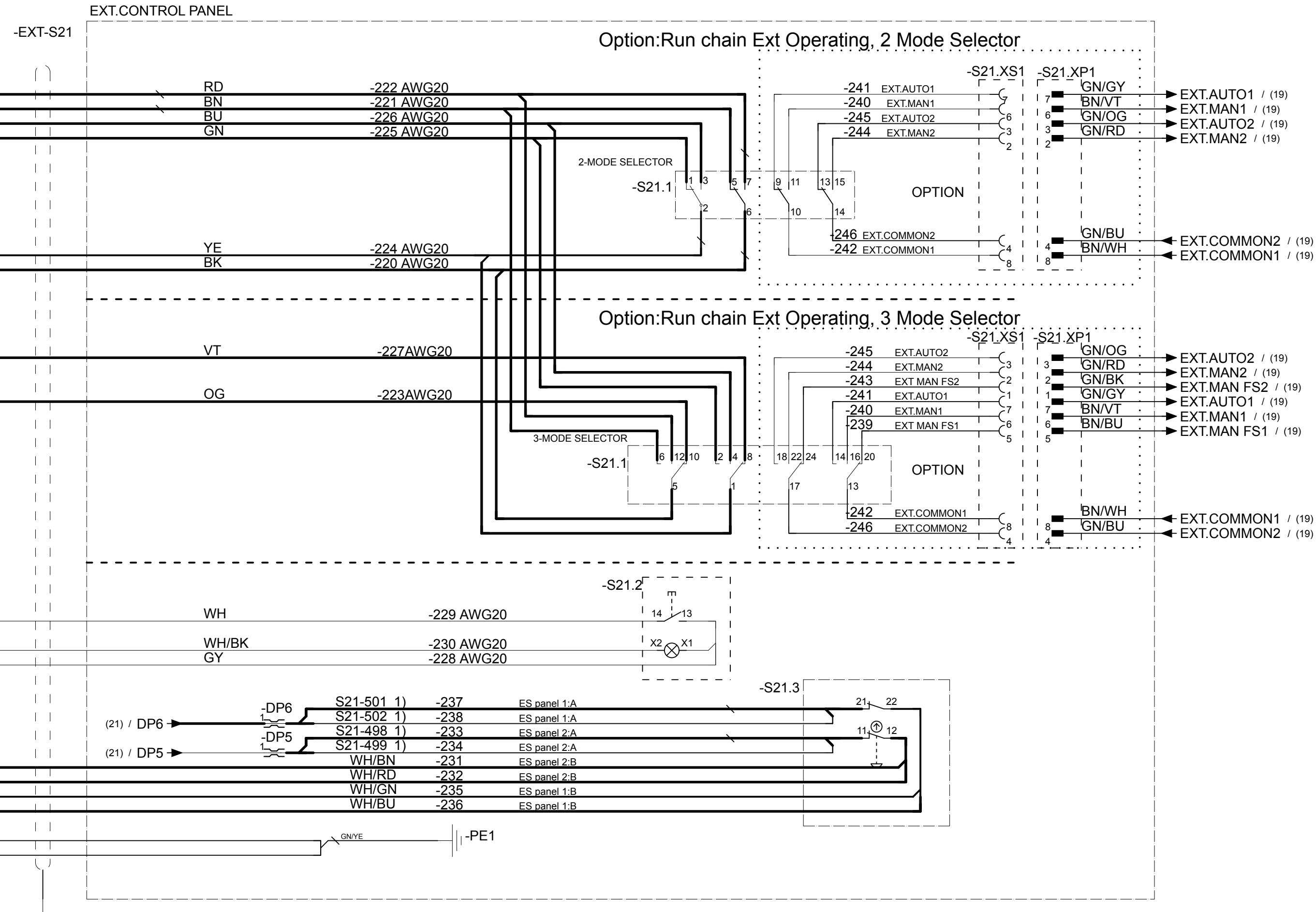
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Total 116





Latest revision:



Lab/Office:
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PRN

IRC5 PMC DESIGN 14 Rel 17.1
RUN CHAIN, EMERGENCY STOP,
EXT. CONTROL PANEL 2 AND 3 MODE SELECTOR

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind Page 20

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06

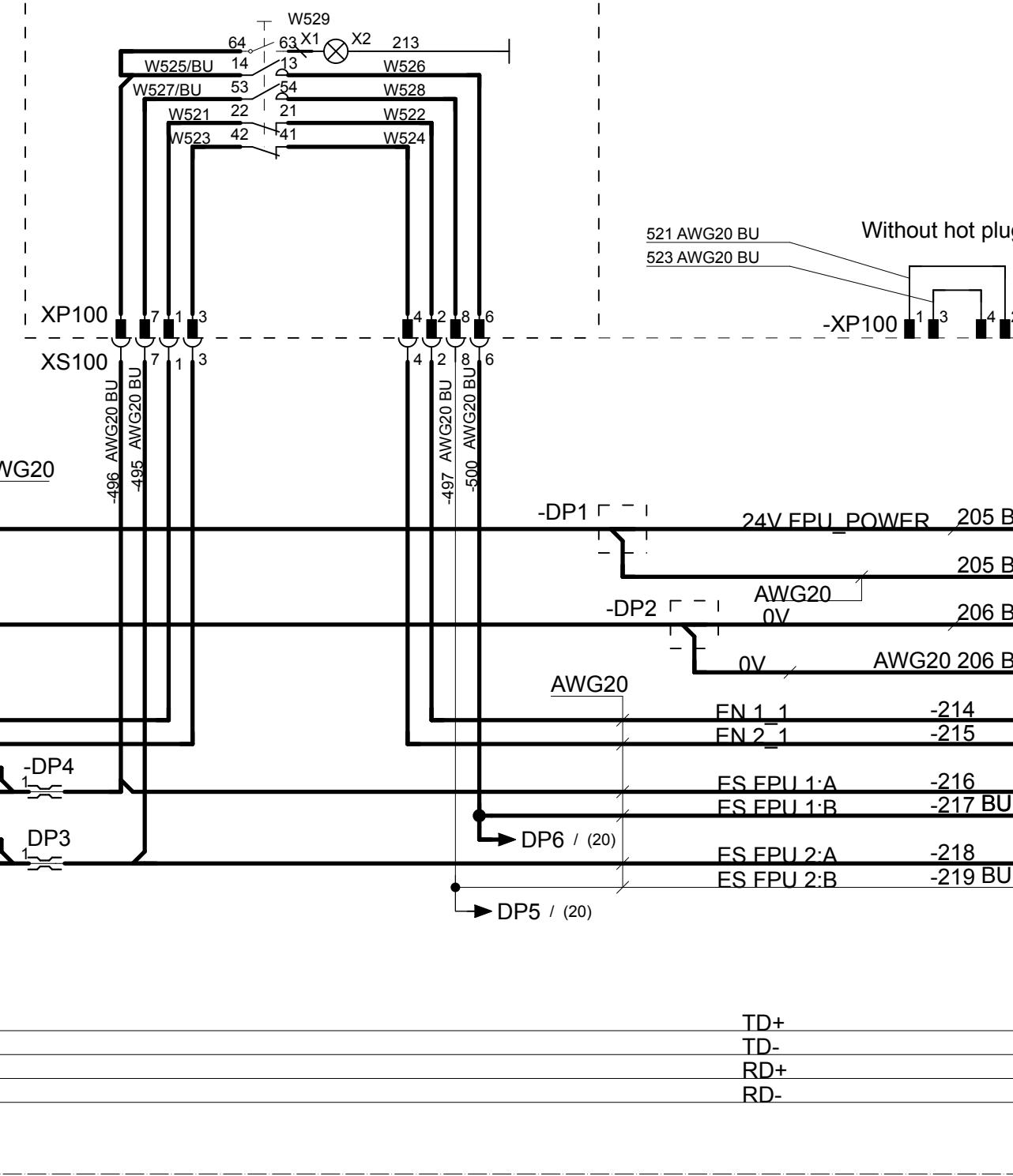
Total 116

EXT.CONTROL PANEL

-EXT-S21

Option:Hot plug

S22



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
RUN CHAIN EXT A21 OPERATING WITH
OPT: HOT PLUG rel 11.1

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind

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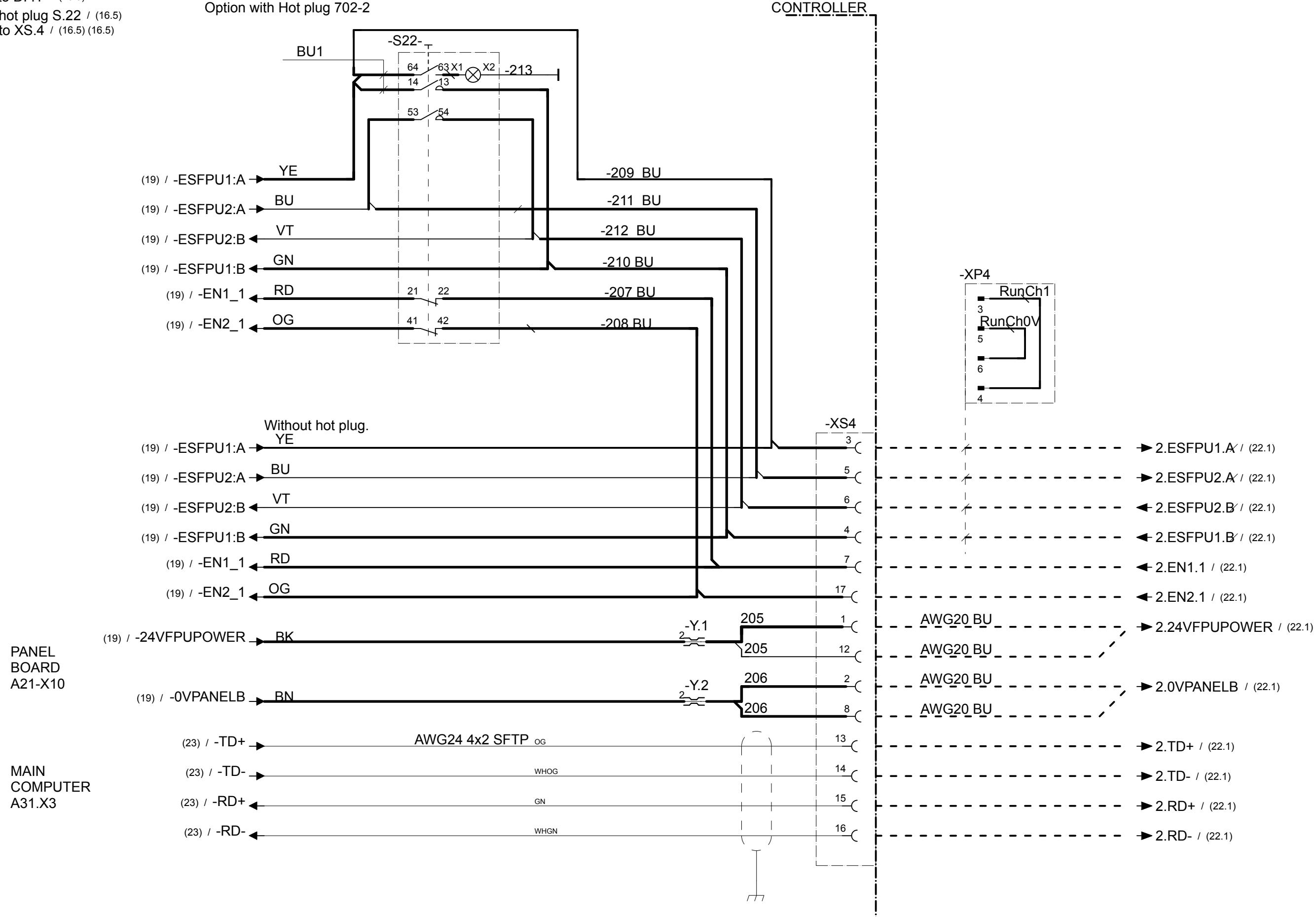
3HAC026871-020

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Total 116

- 4Cross reference to DP.1 / (16.5)
- 5Cross reference hot plug S.22 / (16.5)
- 6Cross reference to XS.4 / (16.5) (16.5)

Option with Hot plug 702-2



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
FPU, FLEXPENDANT interface XS4 and option HOT PLUG

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

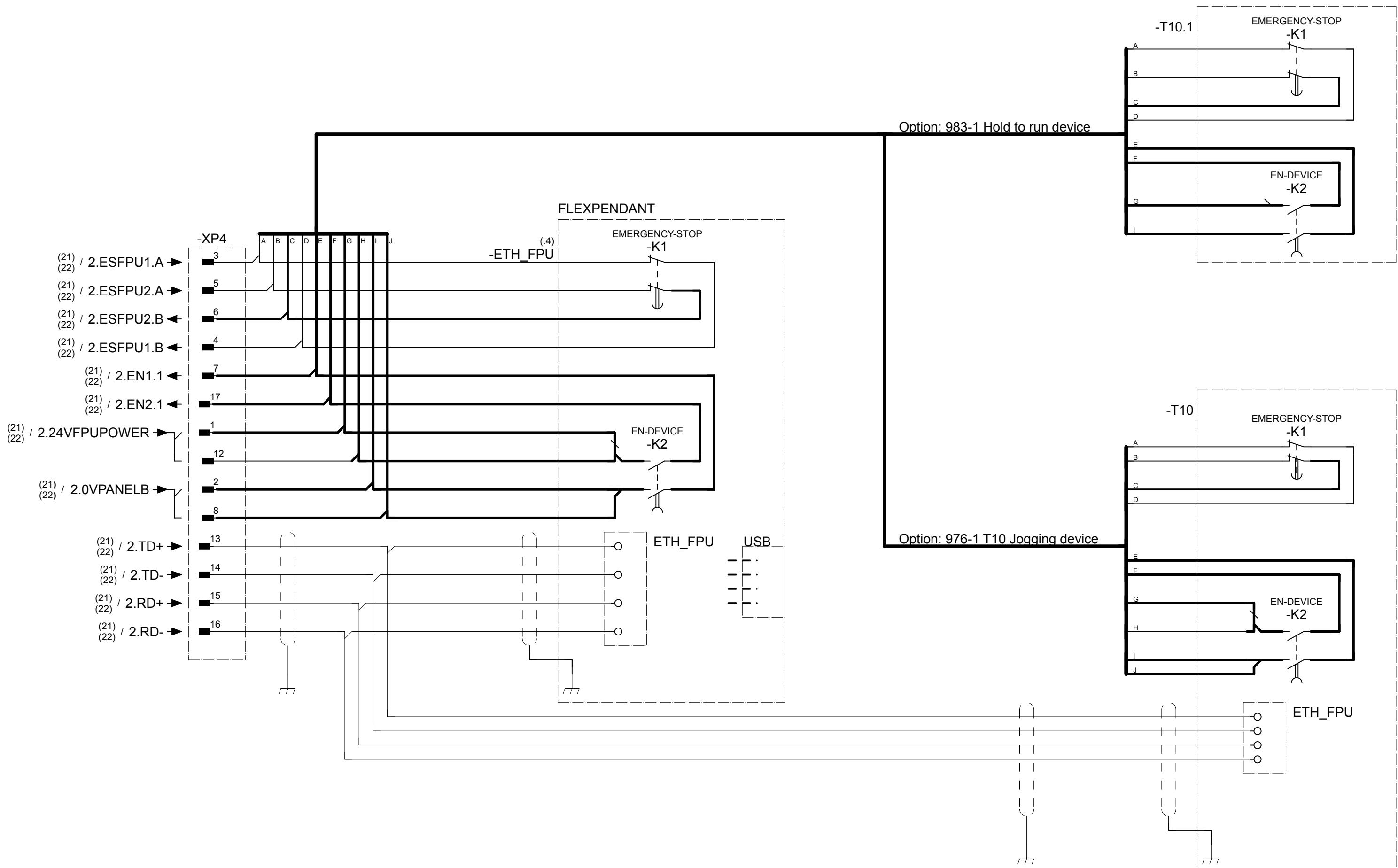
Rev. Ind

Page 22

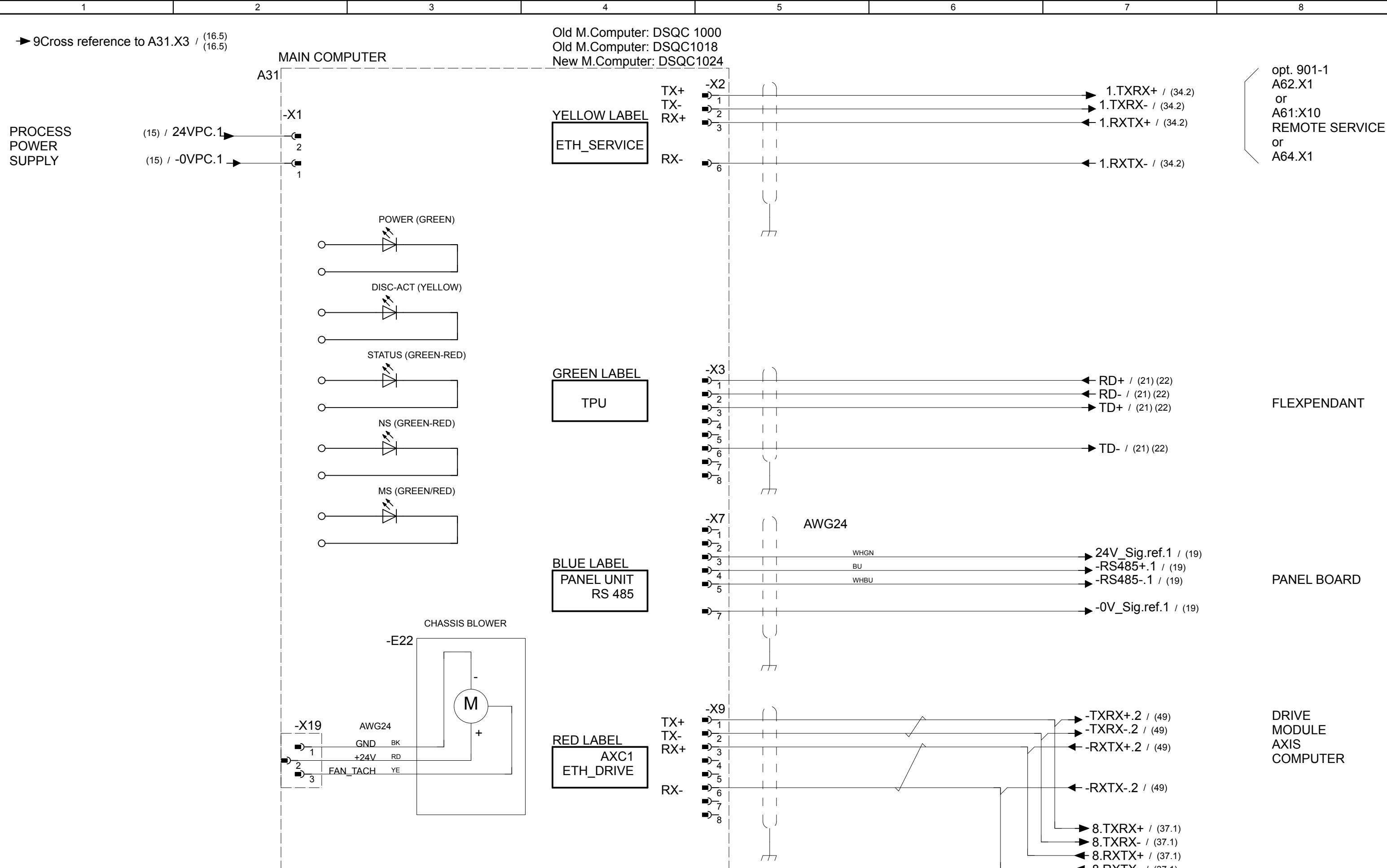
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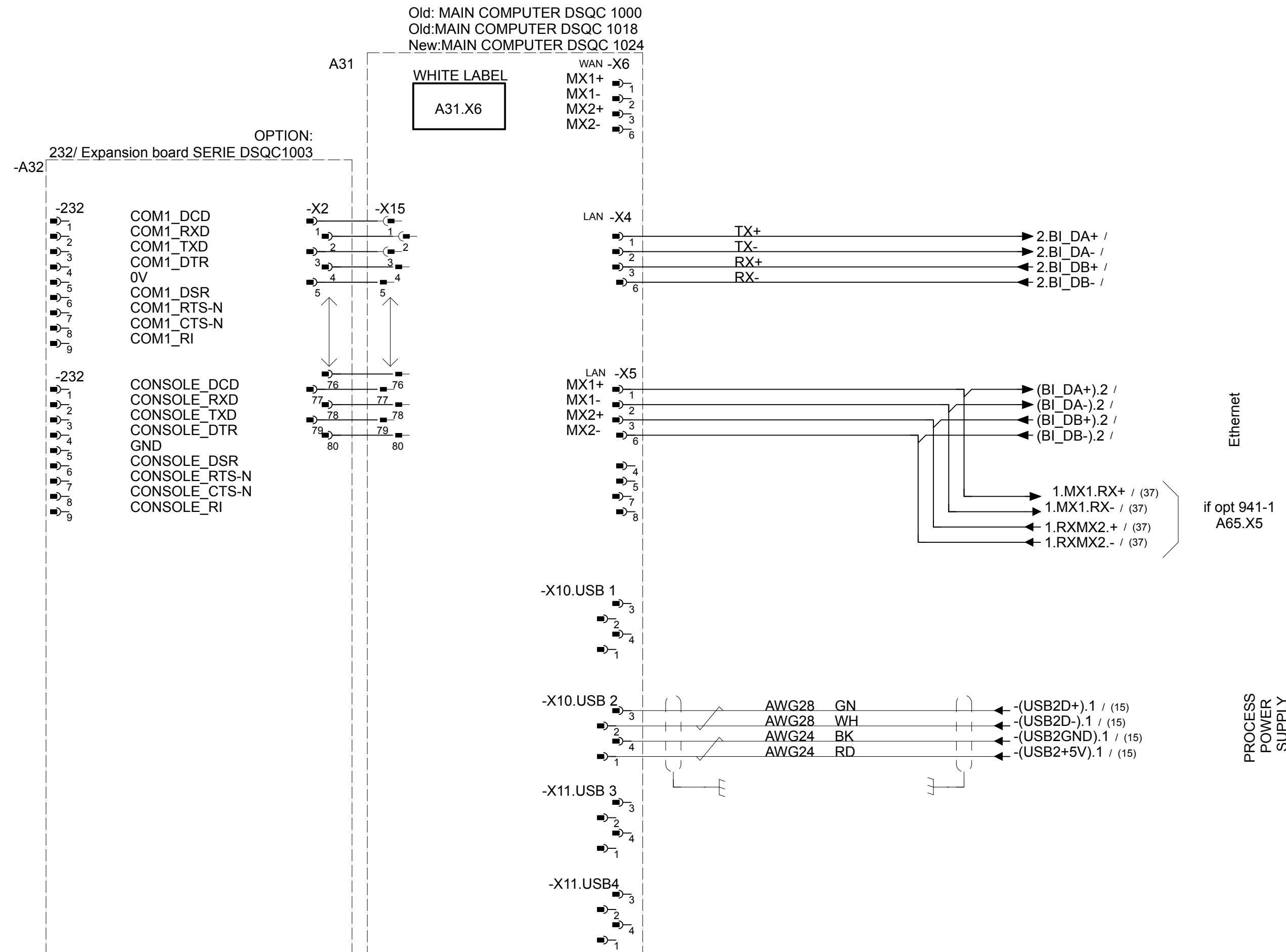
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Total 116



Latest revision:			Lab/Office: DMRO SE/ PRN	IRC5 PMC DESIGN 14 Rel 17.1 FPU, FLEXPENDANT and Opt. HOLD TO RUN DEVICE T10 JOGGING DEVICE	Status: Approved	Plant: = Location: + Sublocation: +
Prepared by, date: Thomas Stålなcke 2005-05-19	Approved by, date: S Ögren 20170317 2017-03-17				Document no. 3HAC026871-020	Rev. Ind 06 Page 22.1 Next 23 Total 116





Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
MAIN COMPUTER DSQC1000/1018/1024

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind

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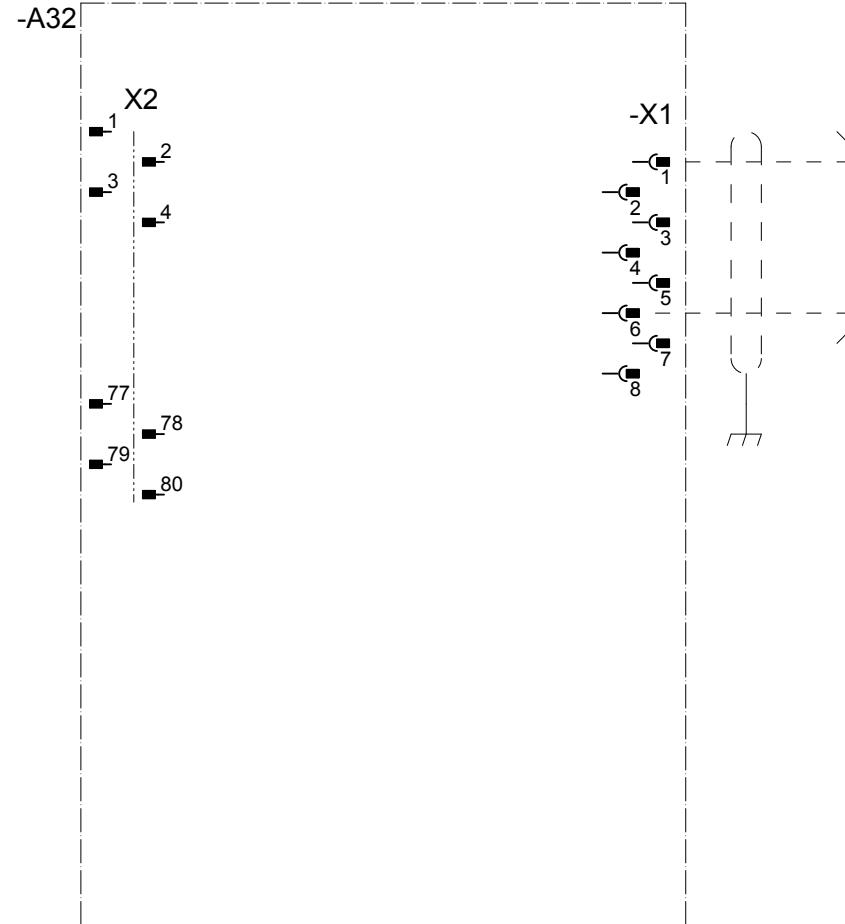
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Total 116

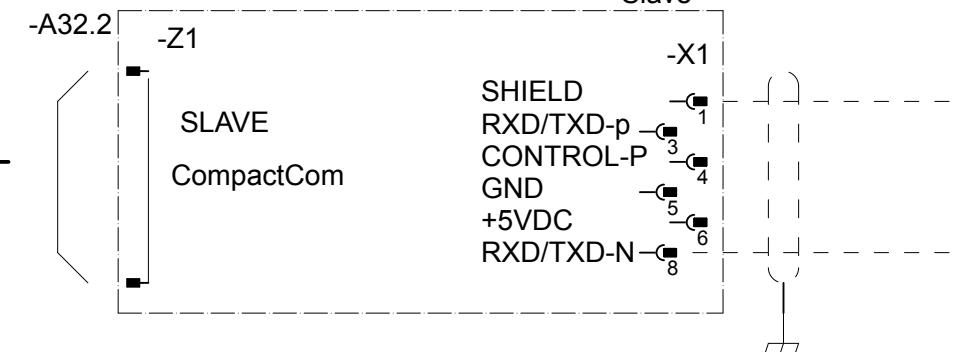
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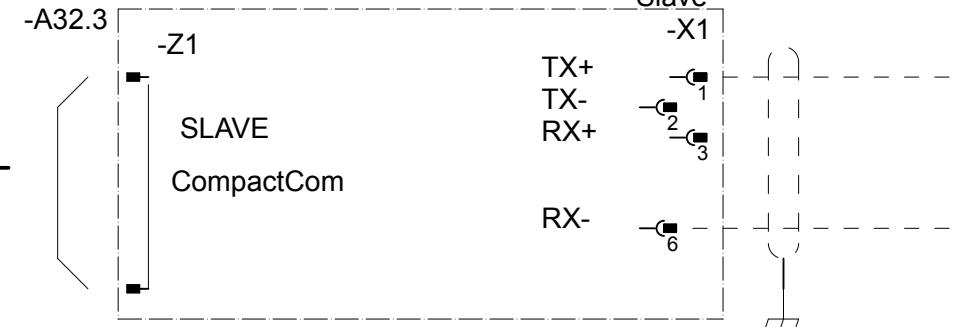
Expansion Board DSQC 1003



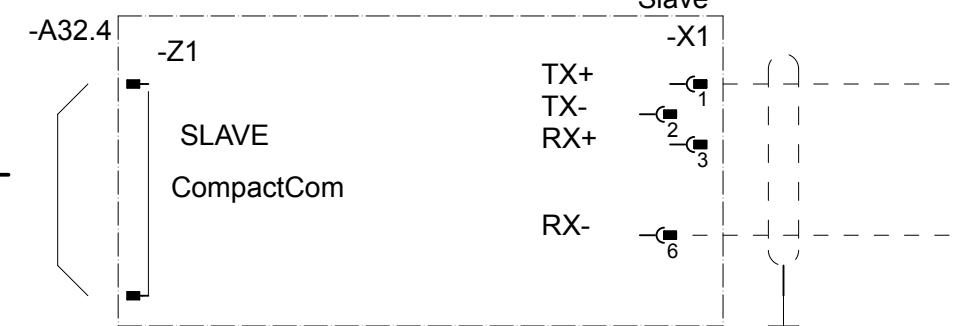
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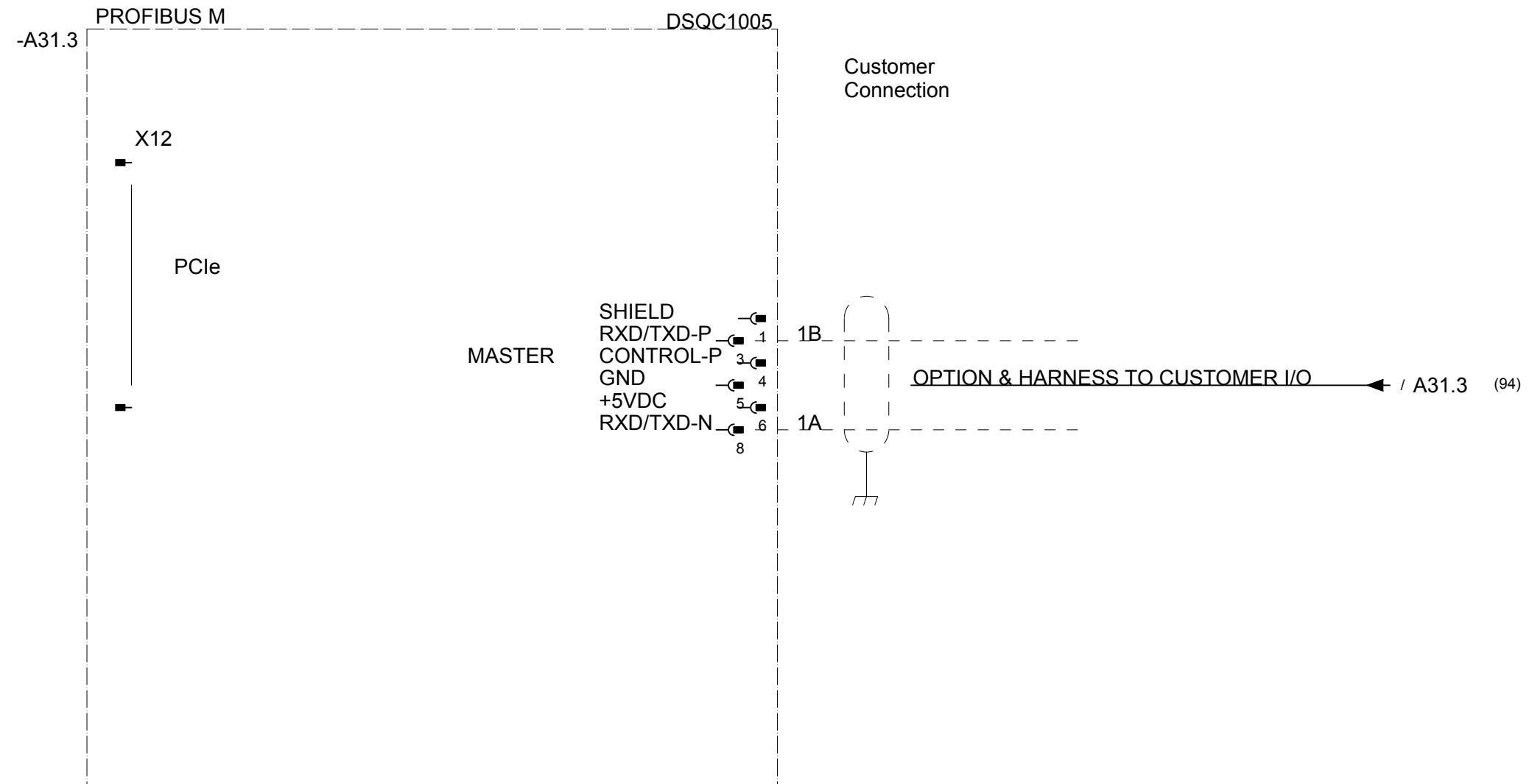


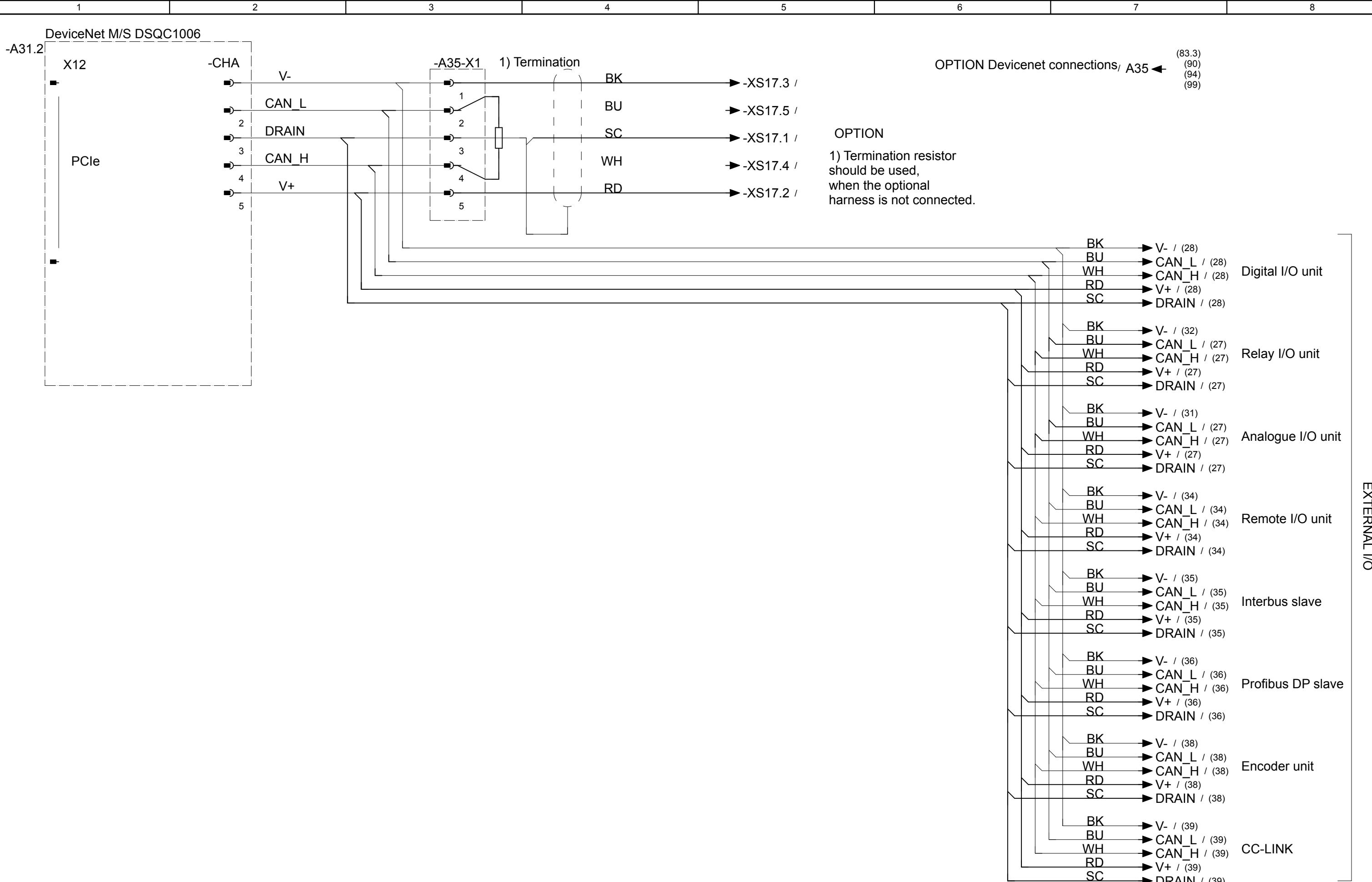
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DEVICENET IO Fieldbus adapter DSQC 1004 Slave







Latest revision:



Lab/Office:
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IRC5 PMC DESIGN 14 Rel 17.1
 DEVICENET ADAPTER

Status:
 Approved

Plant: =
 Location: +
 Sublocation: +

Document no.

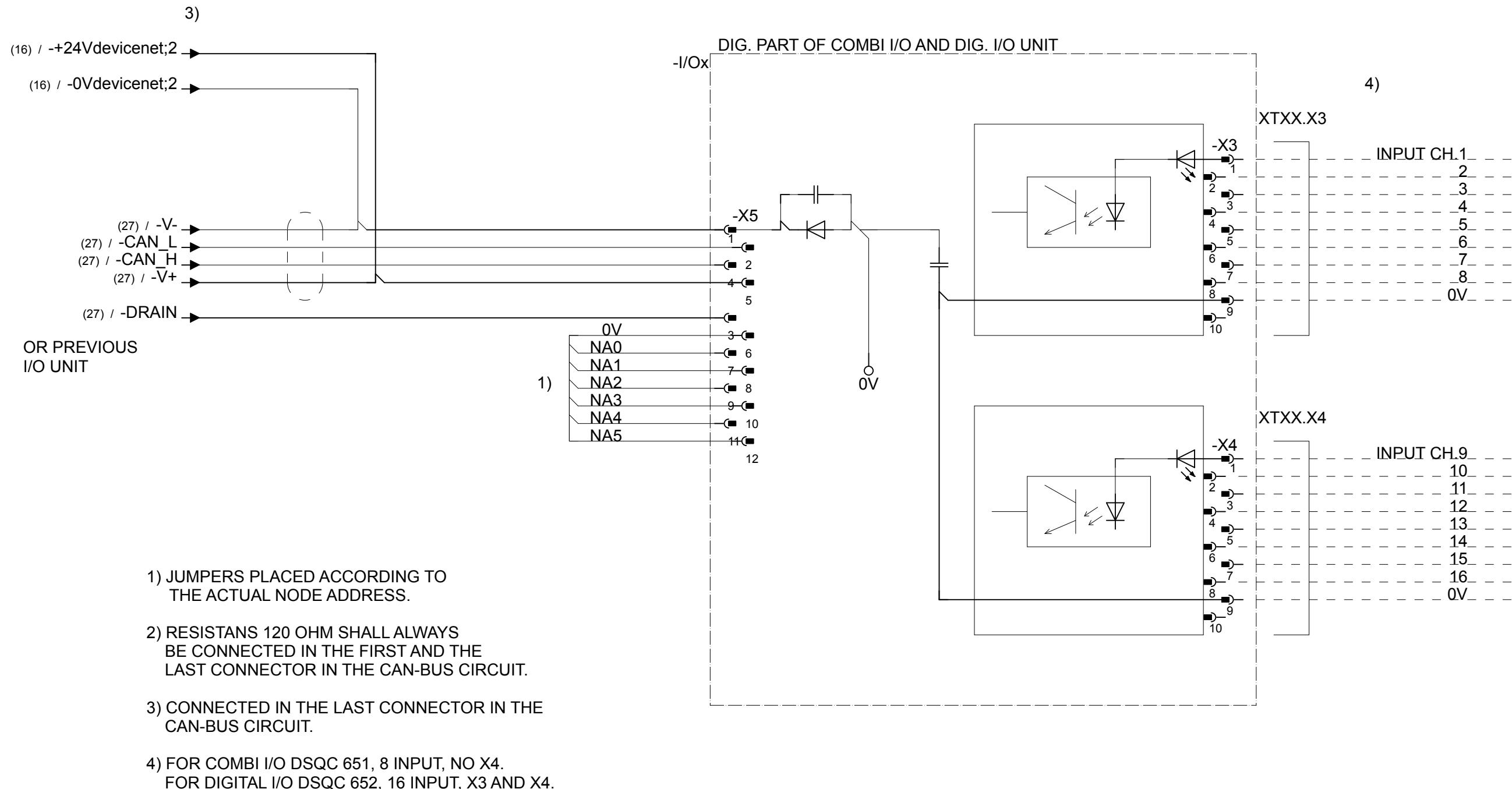
Rev. Ind

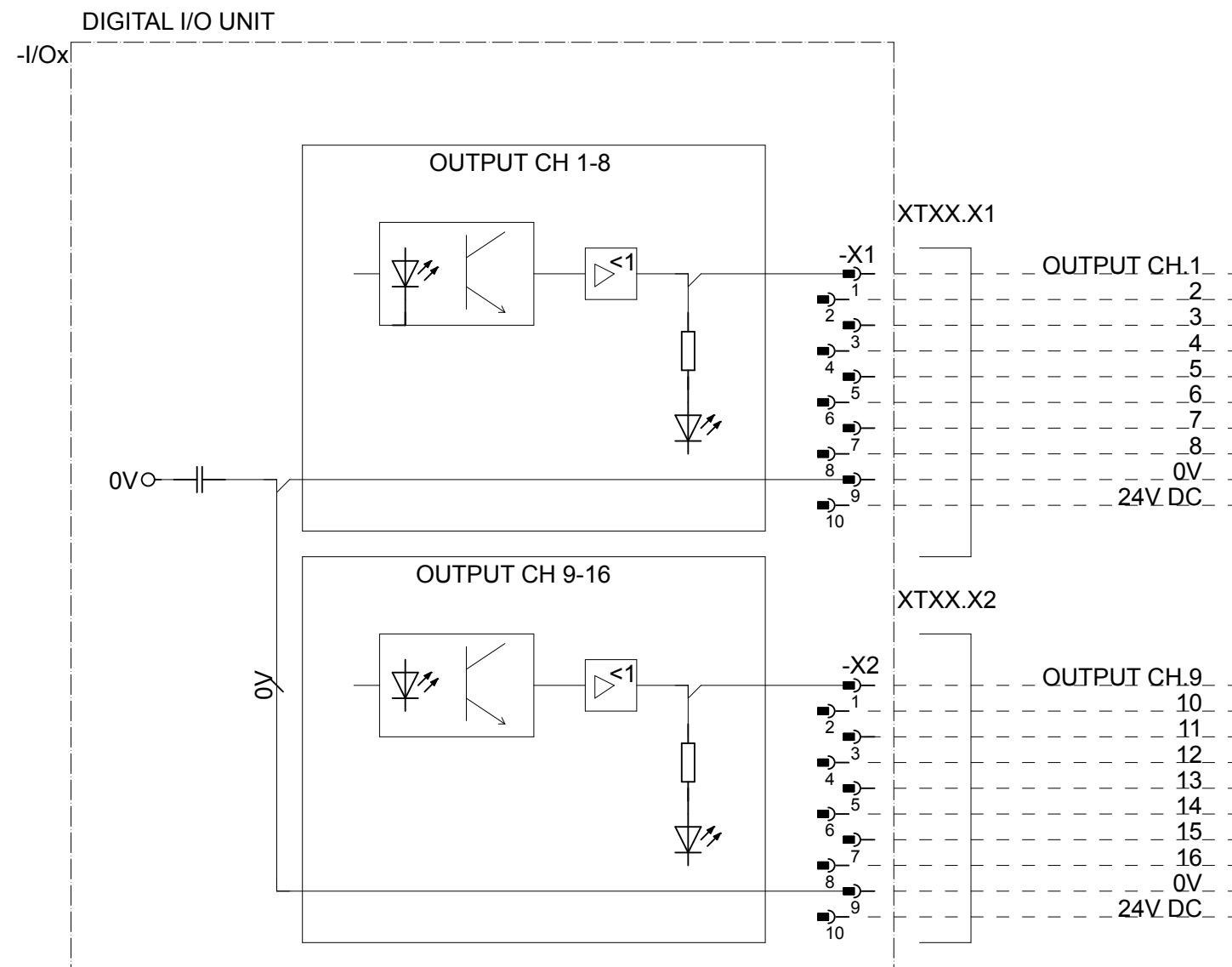
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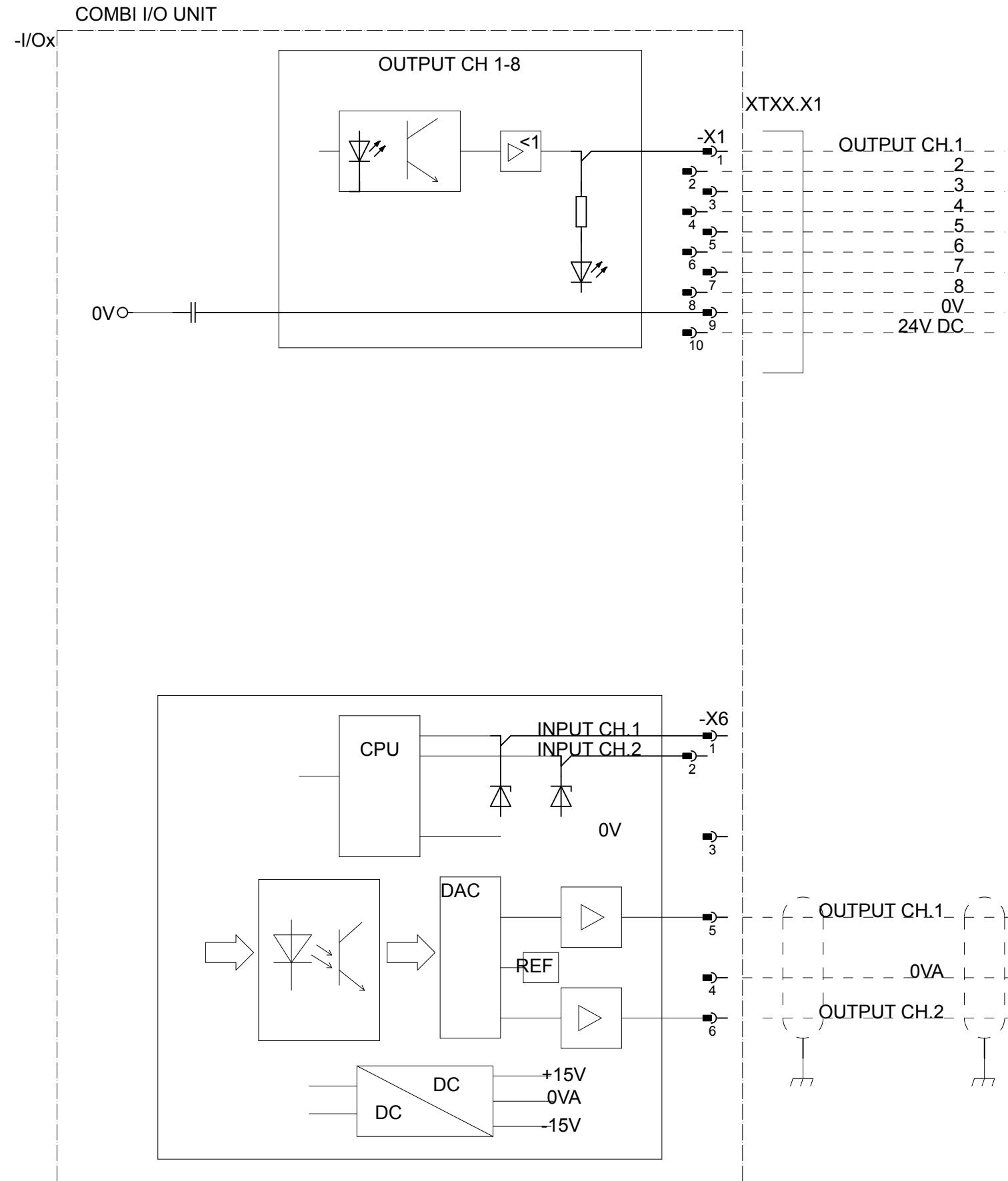
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Total 116







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PRN

IRC5 PMC DESIGN 14 Rel 17.1
COMBI I/O UNIT

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

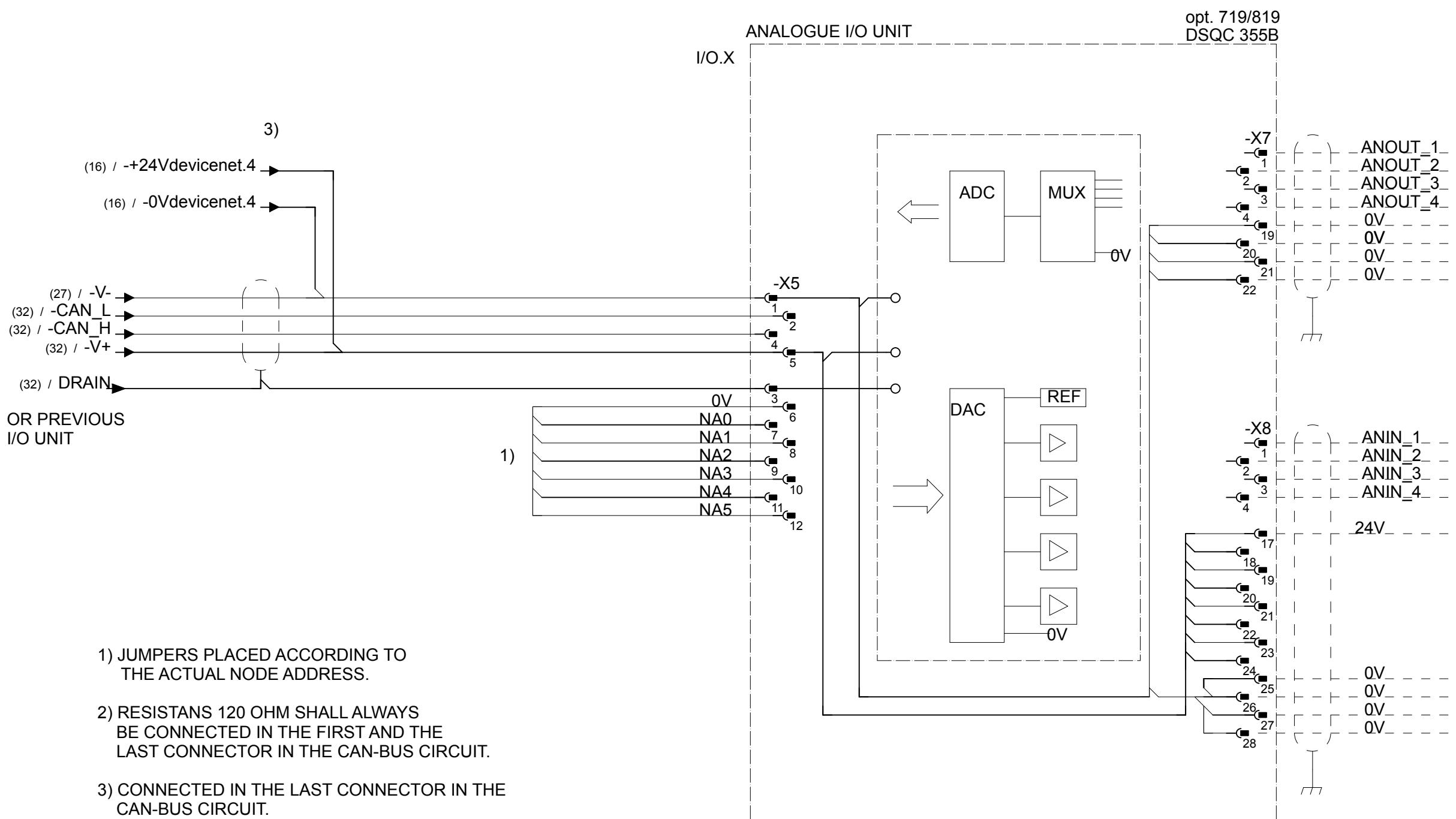
Rev. Ind

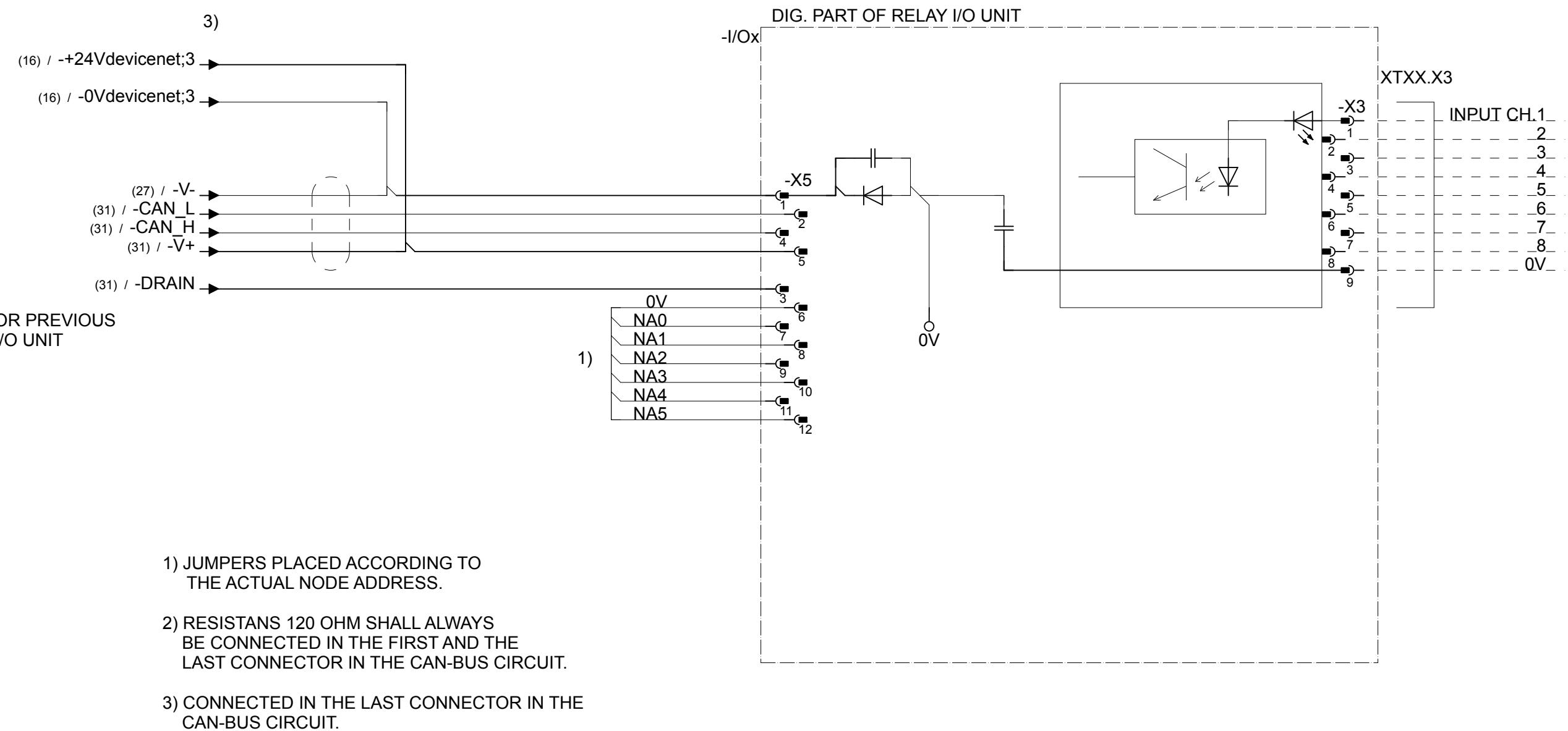
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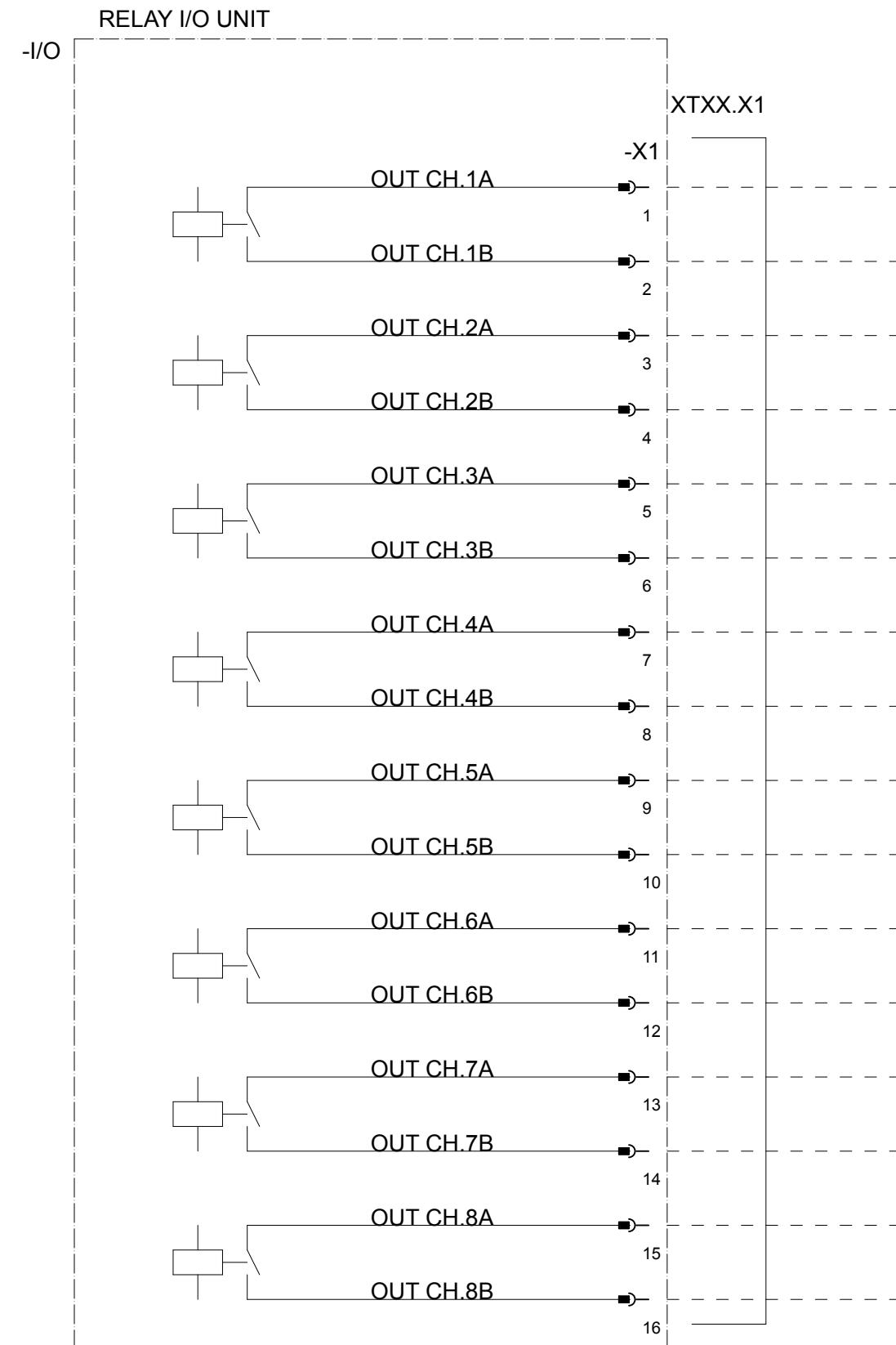
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- 1) JUMPERS PLACED ACCORDING TO THE ACTUAL NODE ADDRESS.
- 2) RESISTANS 120 OHM SHALL ALWAYS BE CONNECTED IN THE FIRST AND THE LAST CONNECTOR IN THE CAN-BUS CIRCUIT.
- 3) CONNECTED IN THE LAST CONNECTOR IN THE CAN-BUS CIRCUIT.



Latest revision:



Lab/Office:
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PRN

IRC5 PMC DESIGN 14 Rel 17.1
RELAY I/O UNIT

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind

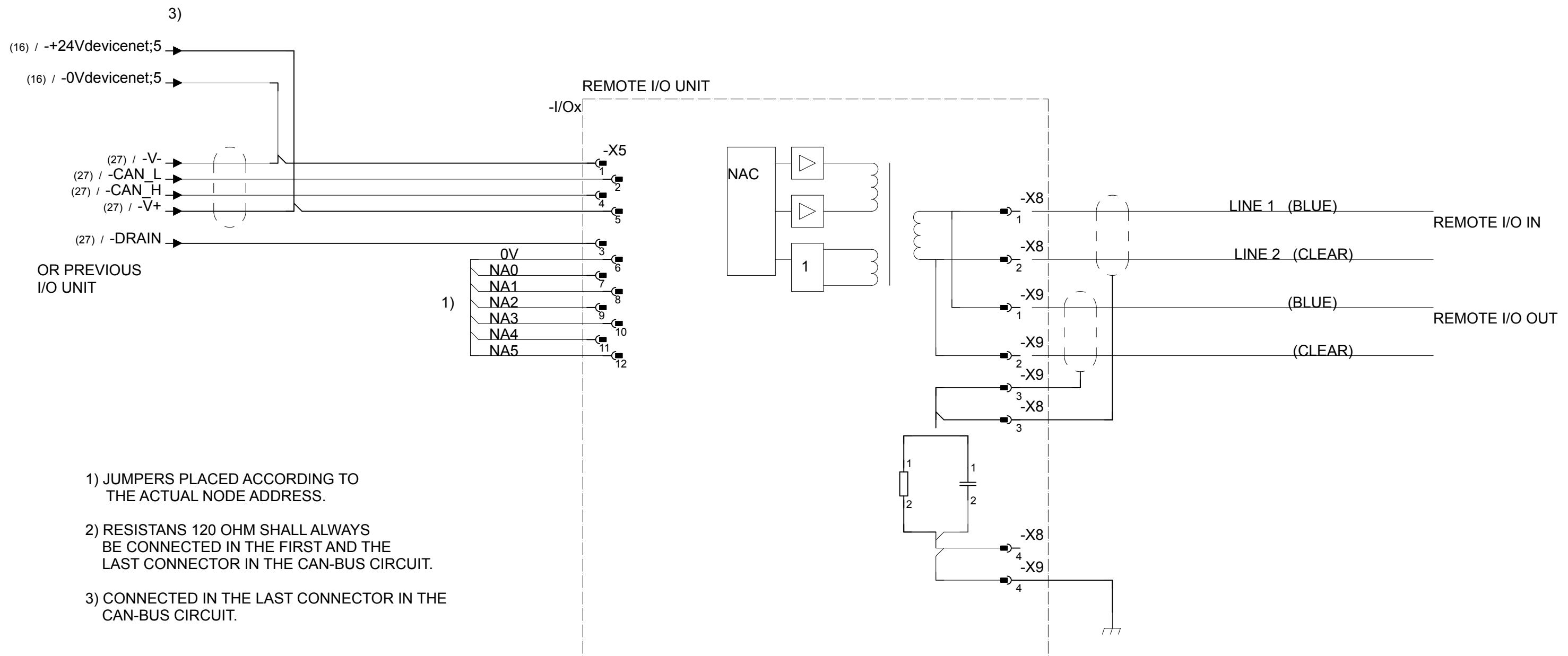
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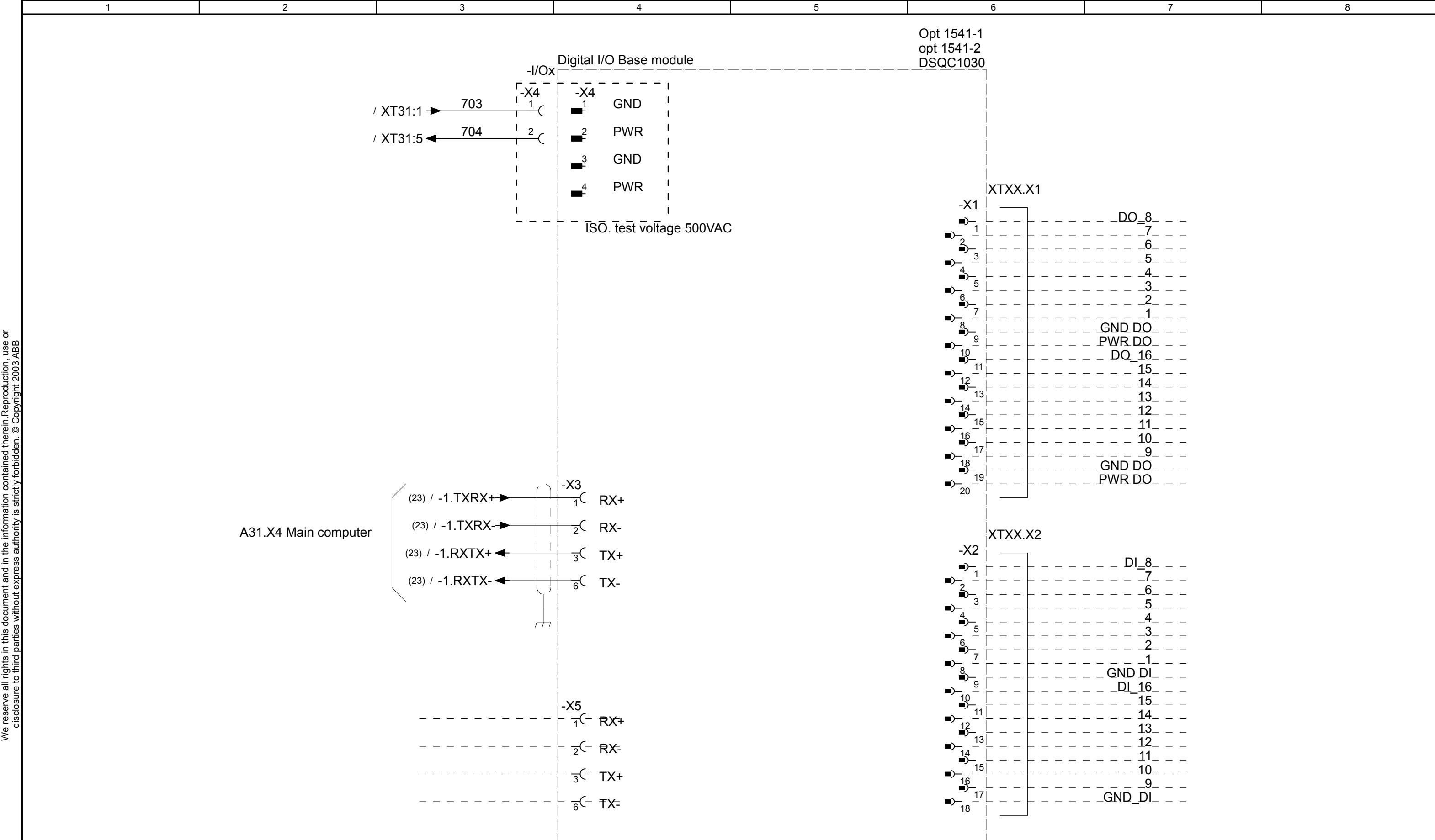
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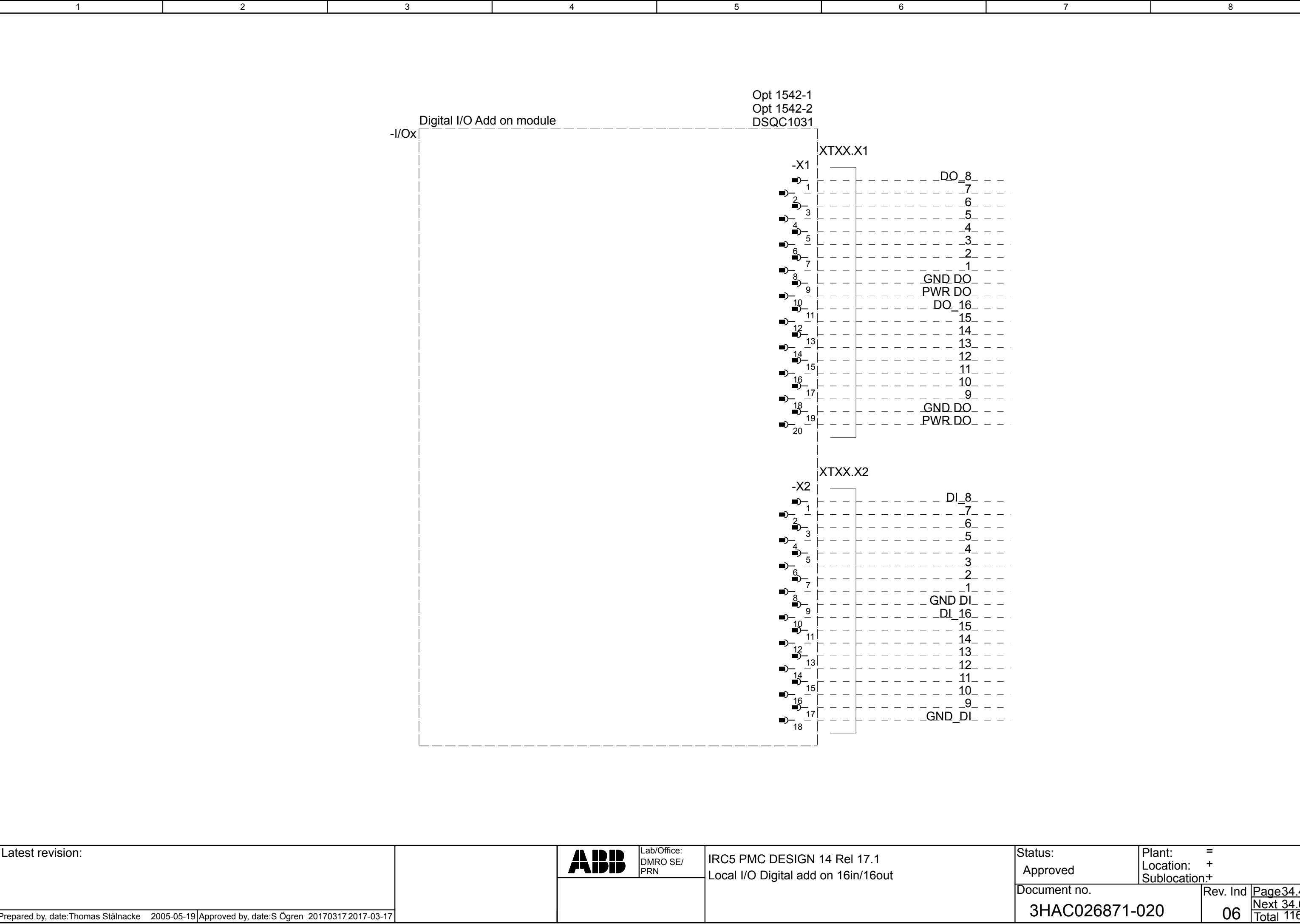
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Total 116







Latest revision:



Lab/Office:
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PRN

IRC5 PMC DESIGN 14 Rel 17.1
Local I/O Digital add on 16in/16out

Status:
Approved

Plant: =
Location: +
Sublocation: +

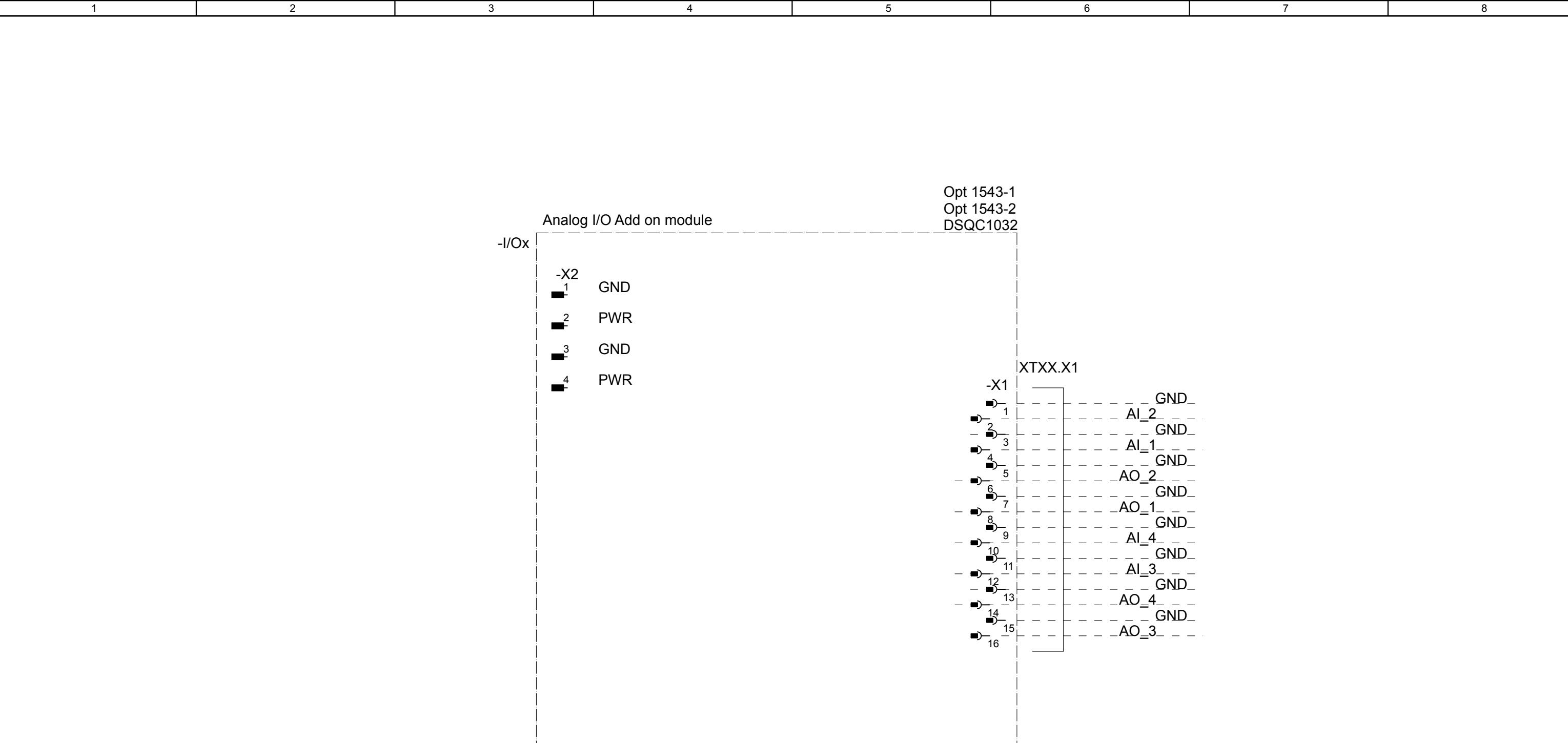
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Latest revision:



Lab/Office:
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PRN

IRC5 PMC DESIGN 14 Rel 17.1
Local I/O Analog add on 4in/4out

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

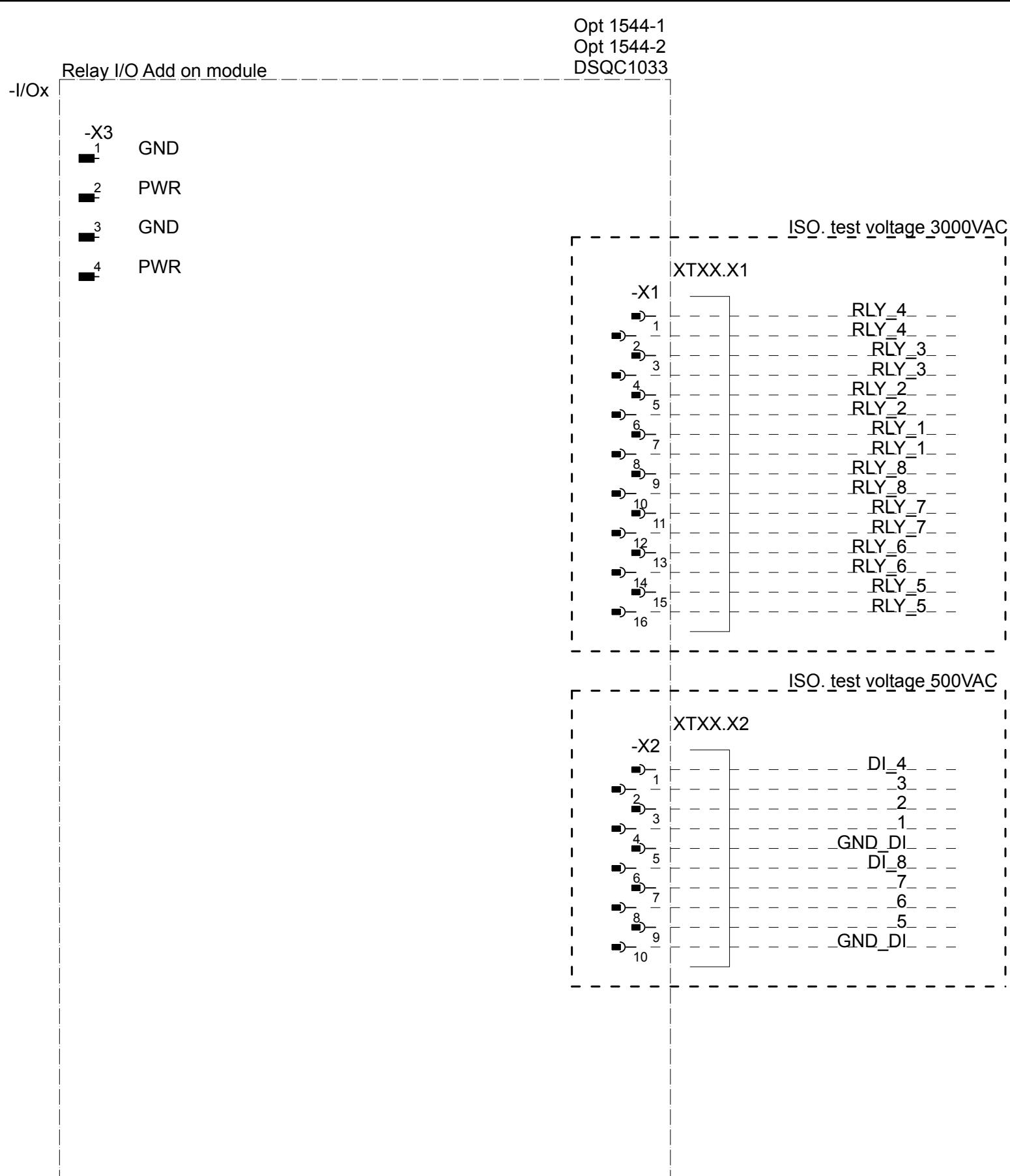
Rev. Ind

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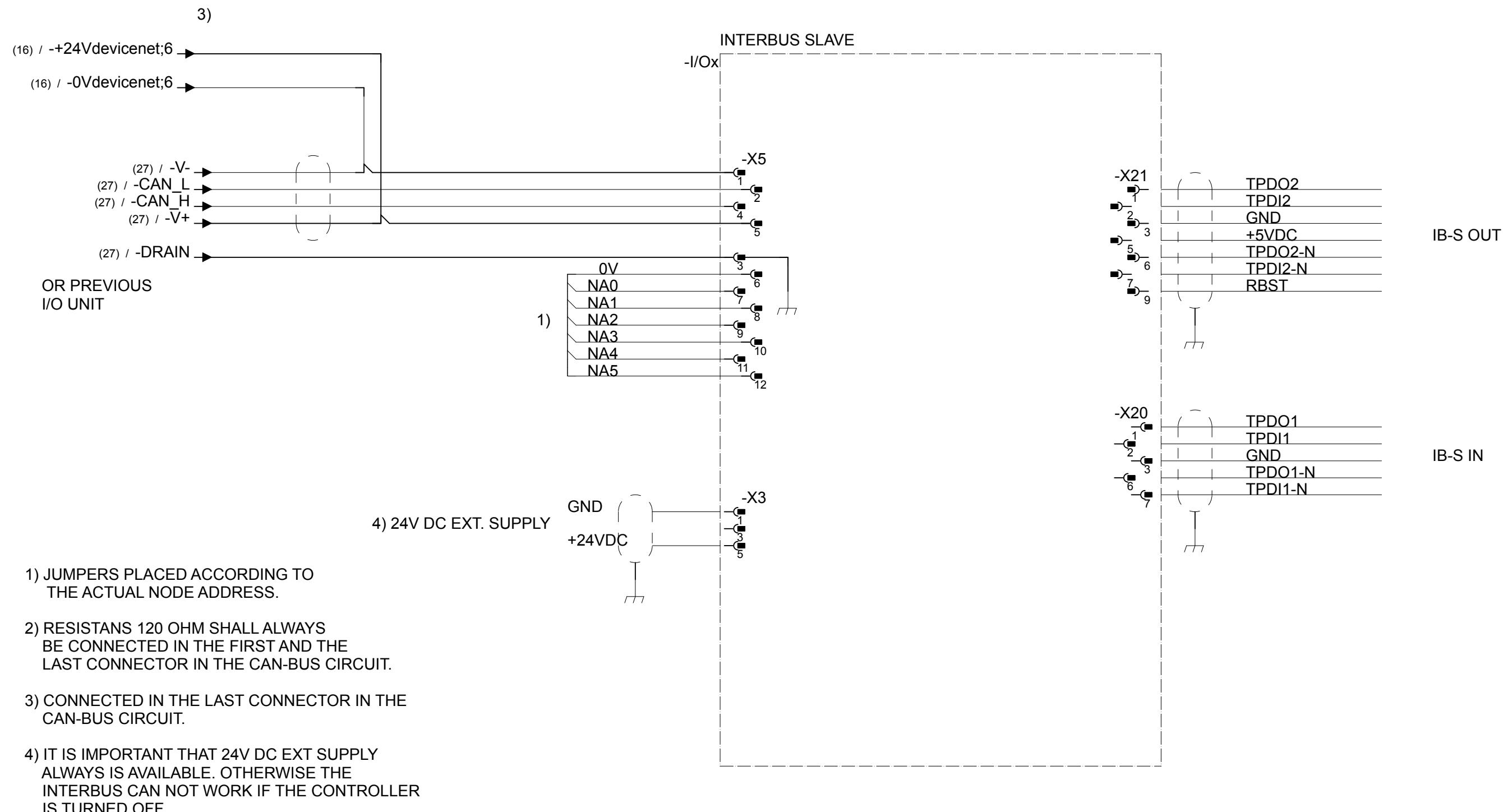
3HAC026871-020

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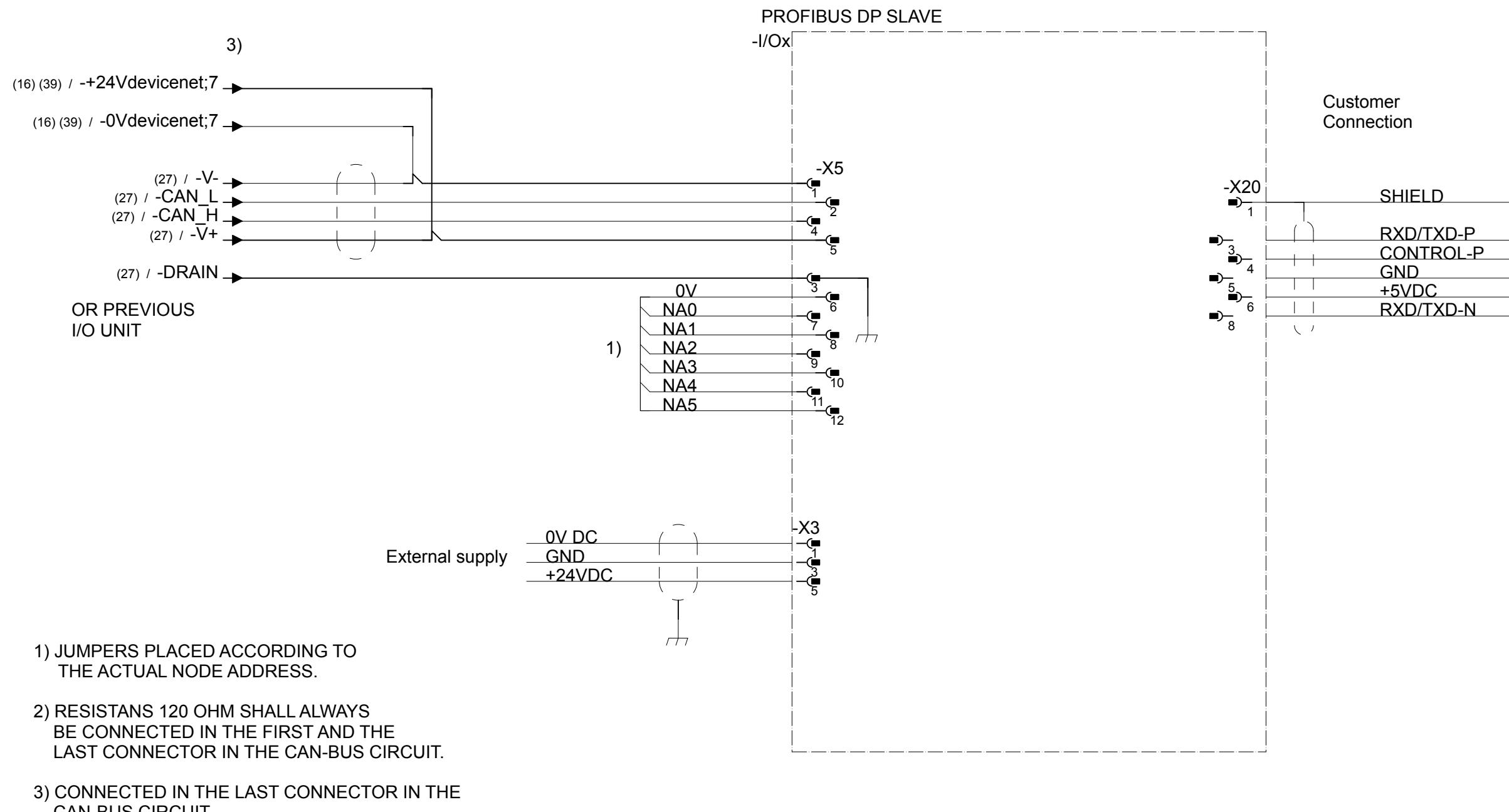
Total 116



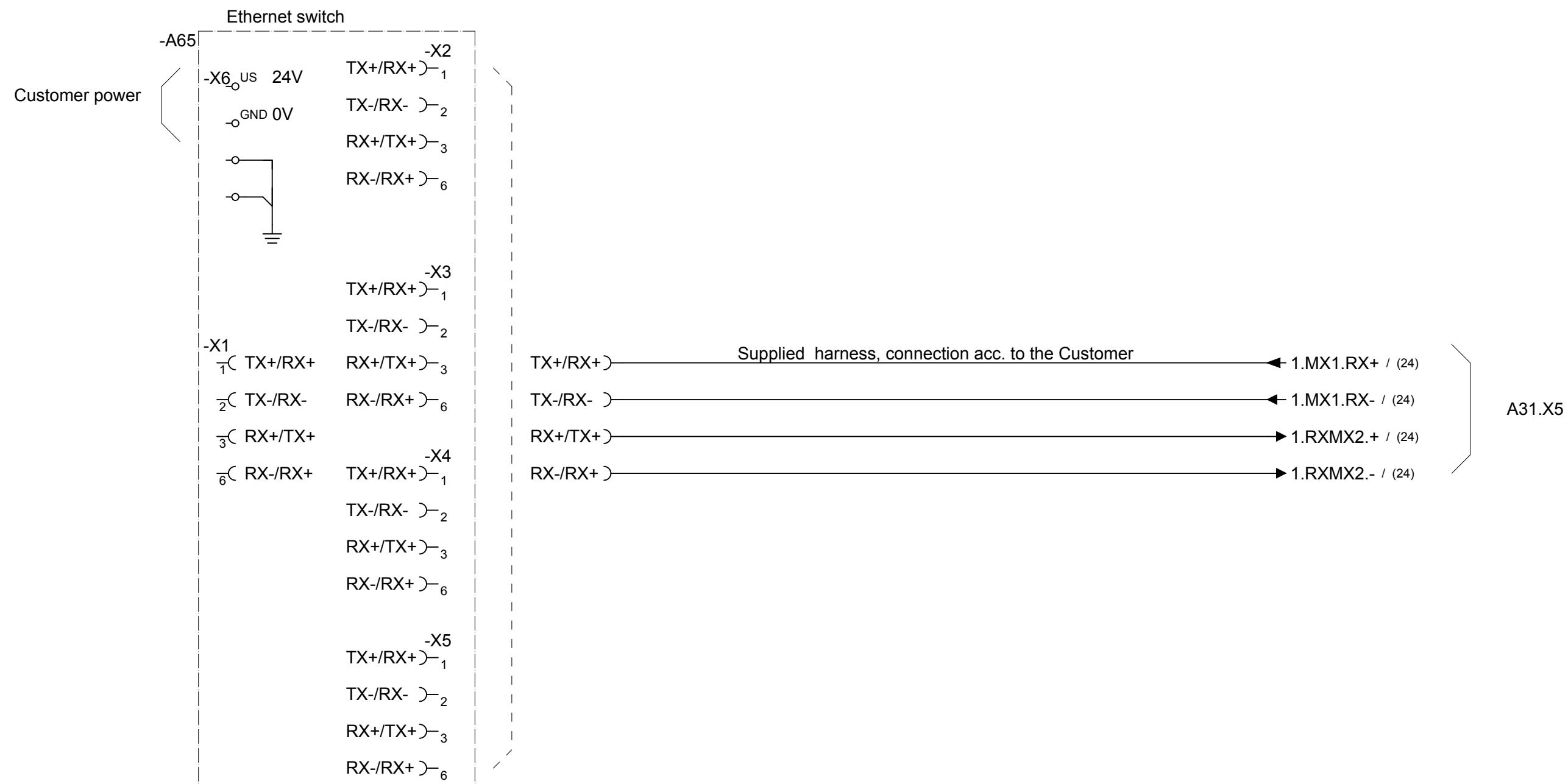
Latest revision:			Lab/Office: DMRO SE/ PRN	IRC5 PMC DESIGN 14 Rel 17.1 Local I/O Relay add on 8RO/8DI	Status: Approved	Plant: = Location: + Sublocation: +
Prepared by, date: Thomas Stålnacke 2005-05-19	Approved by, date: S Ögren 20170317 2017-03-17				Document no. 3HAC026871-020	Rev. Ind 06 Page 34.8 Next 35 Total 116

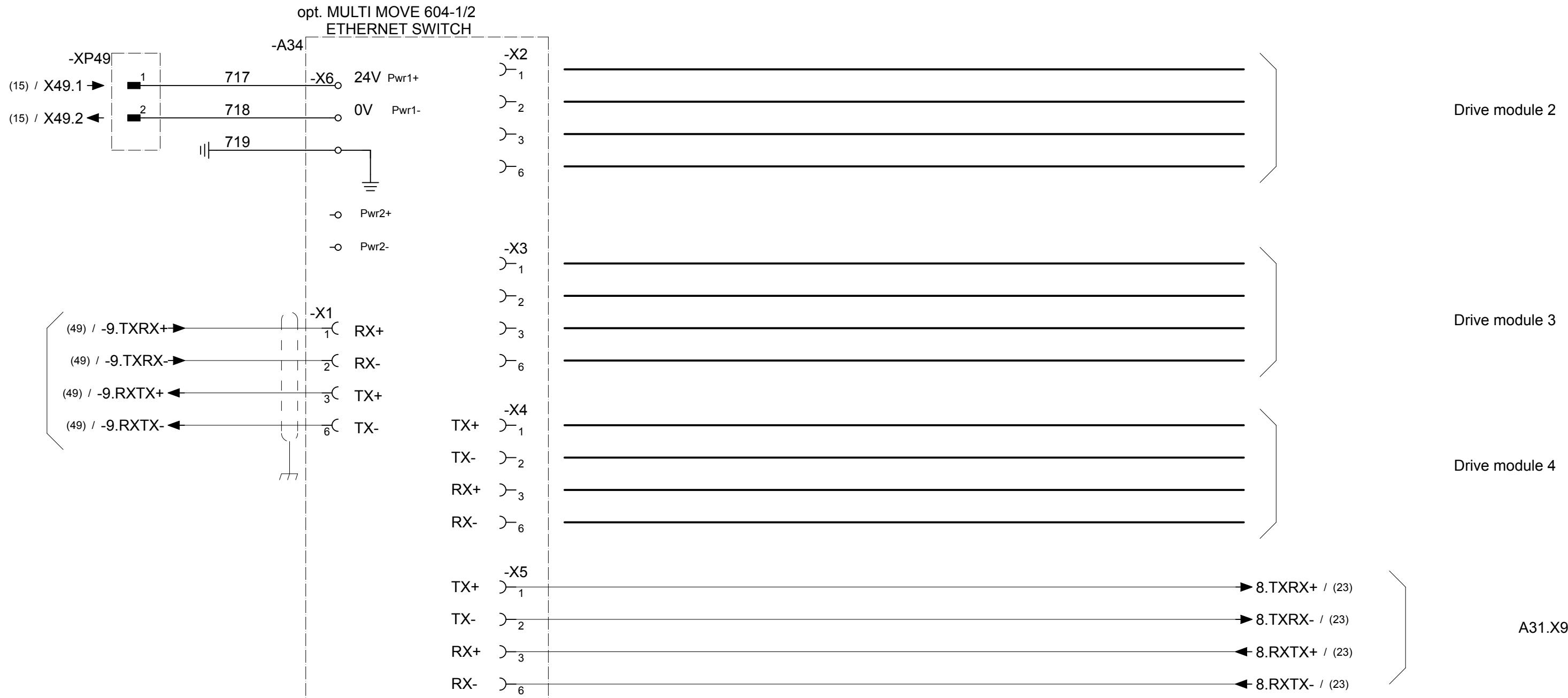


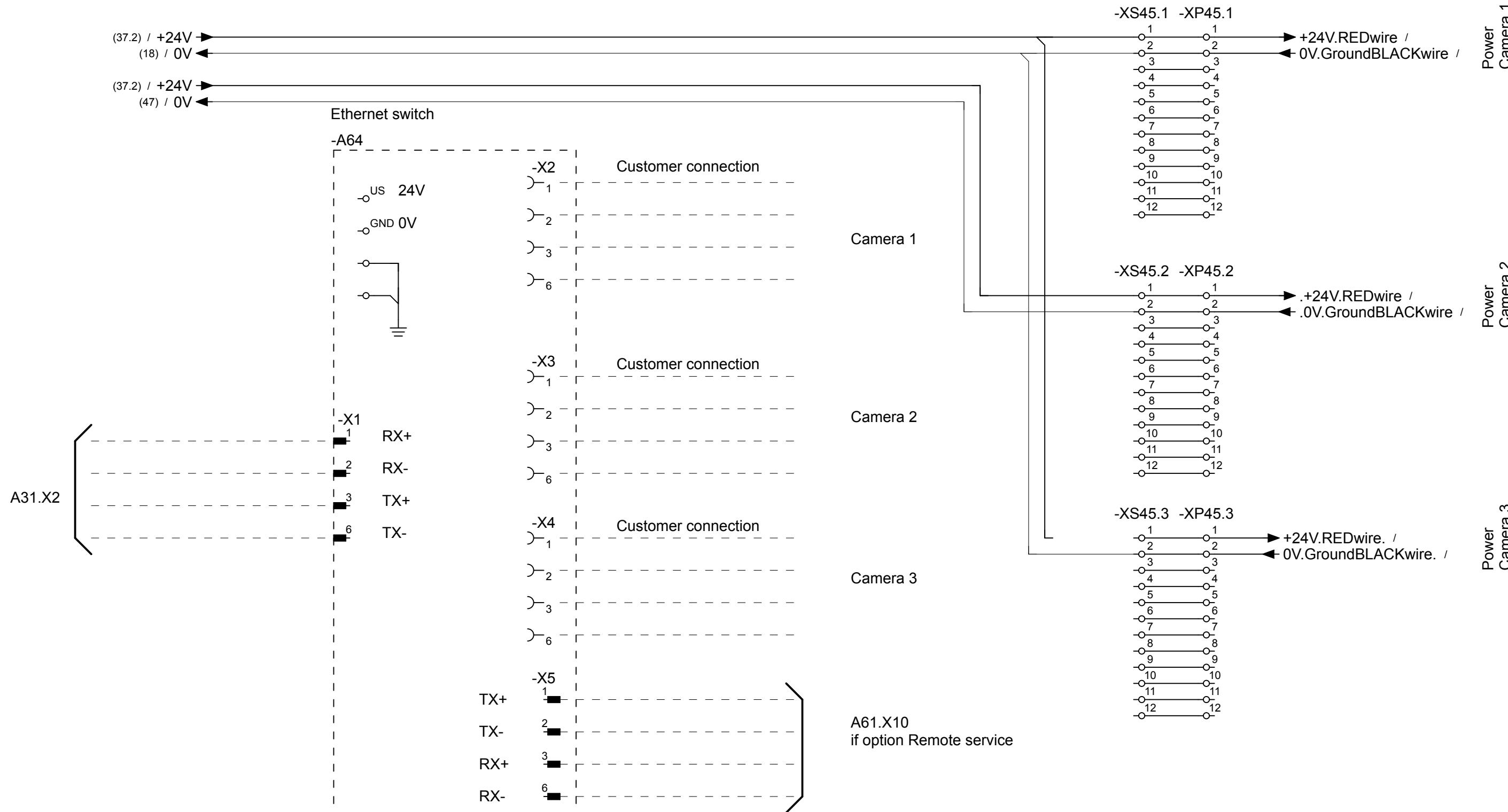
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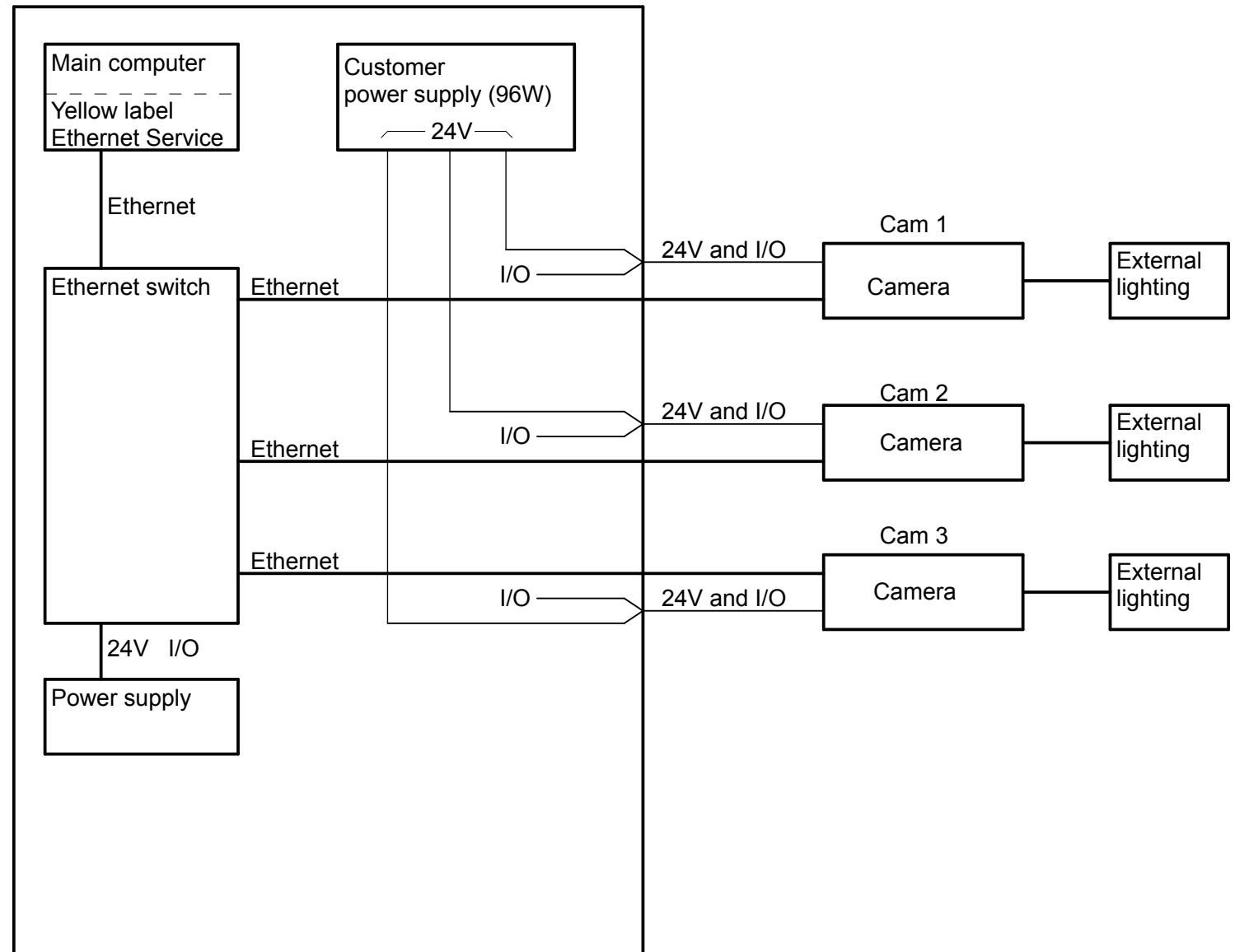
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Prepared by, date:Thomas Stålnacke 2005-05-19	Approved by, date:S Ögren 20170317 2017-03-17				Document no. 3HAC026871-020	Rev. Ind 06
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Robot controller



Latest revision:



Lab/Office:
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IRC5 PMC DESIGN 14 Rel 17.1
VISION, INTEGRATED CAMERAS

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind

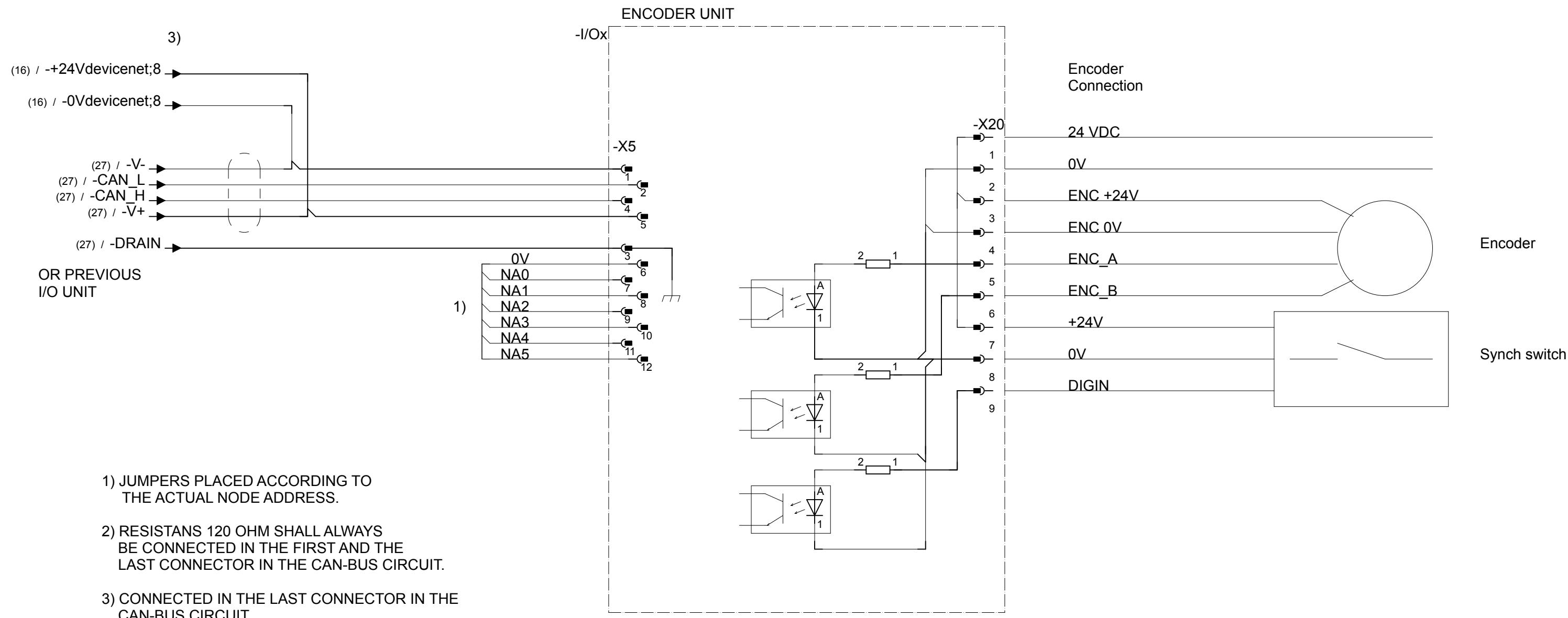
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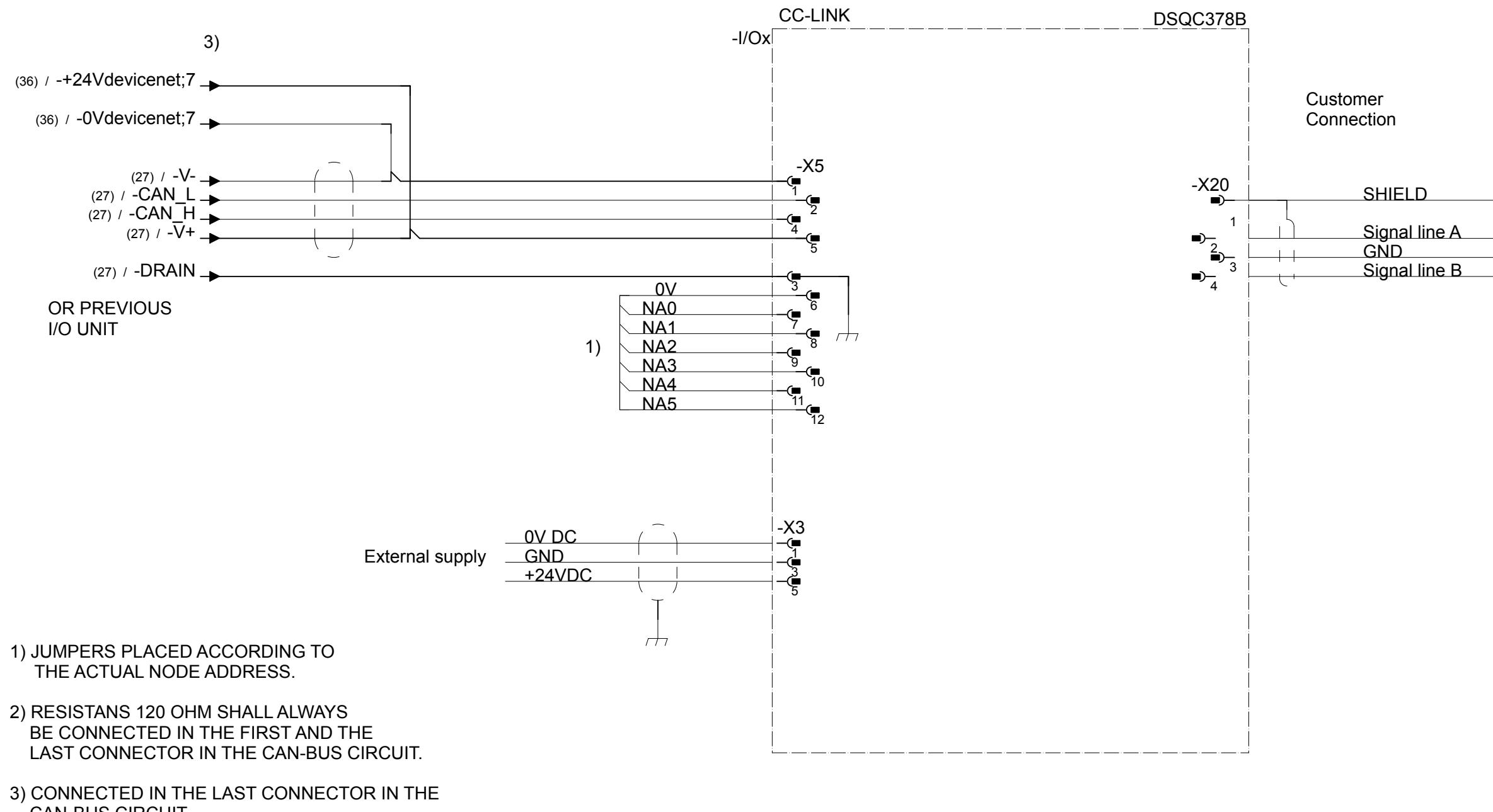
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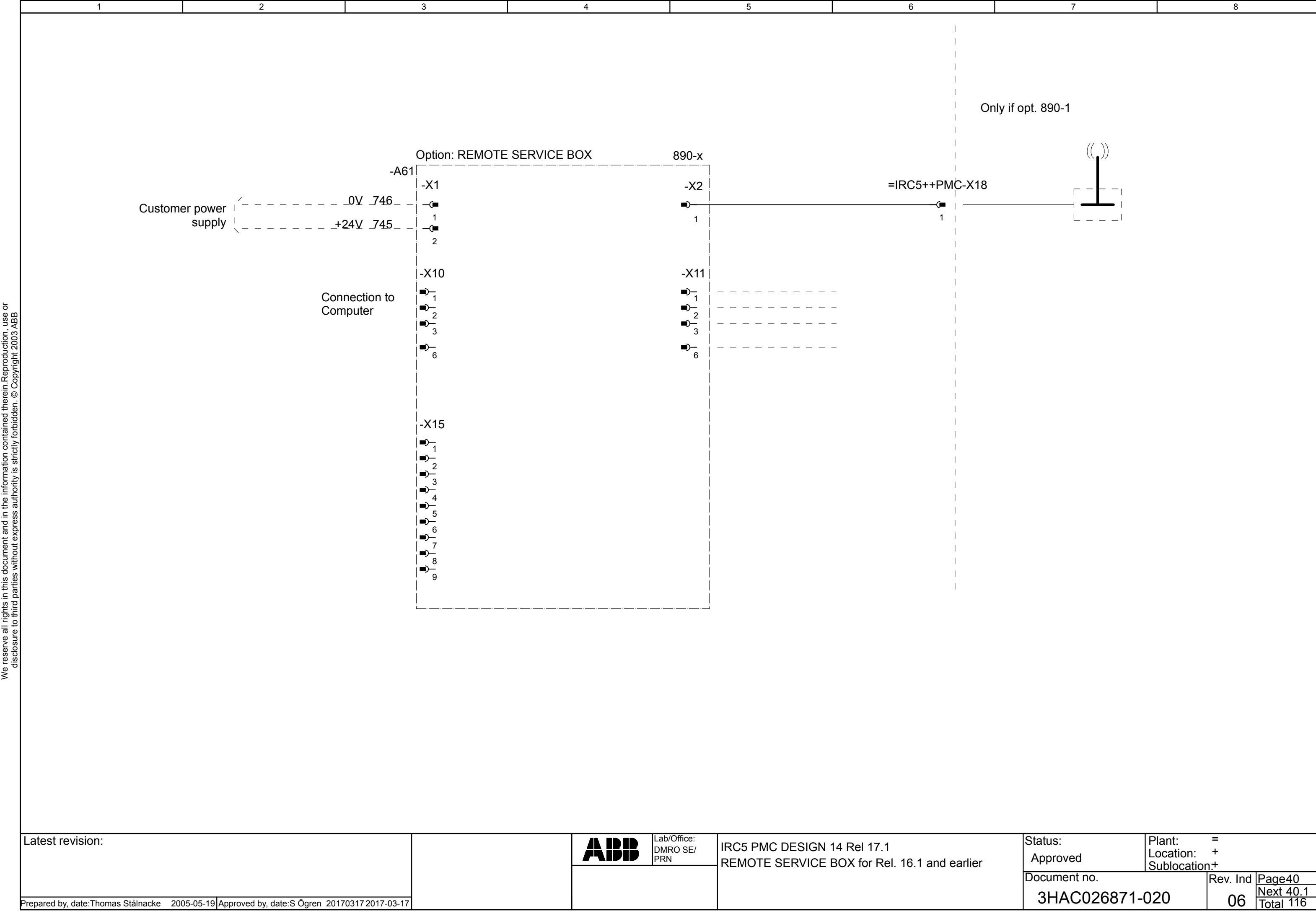
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IRC5 PMC DESIGN 14 Rel 17.1
REMOTE SERVICE BOX for Rel. 16.1 and earlier

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind

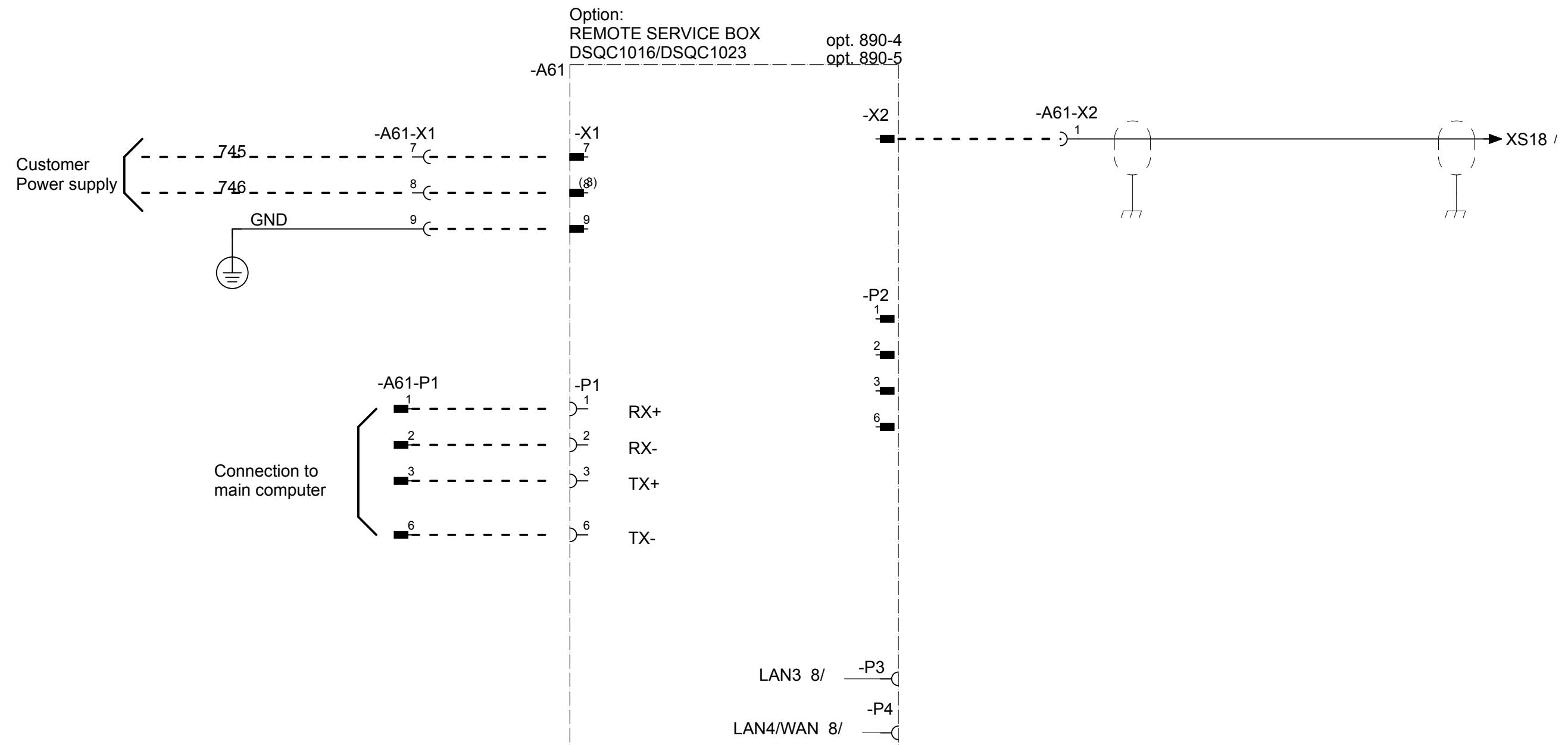
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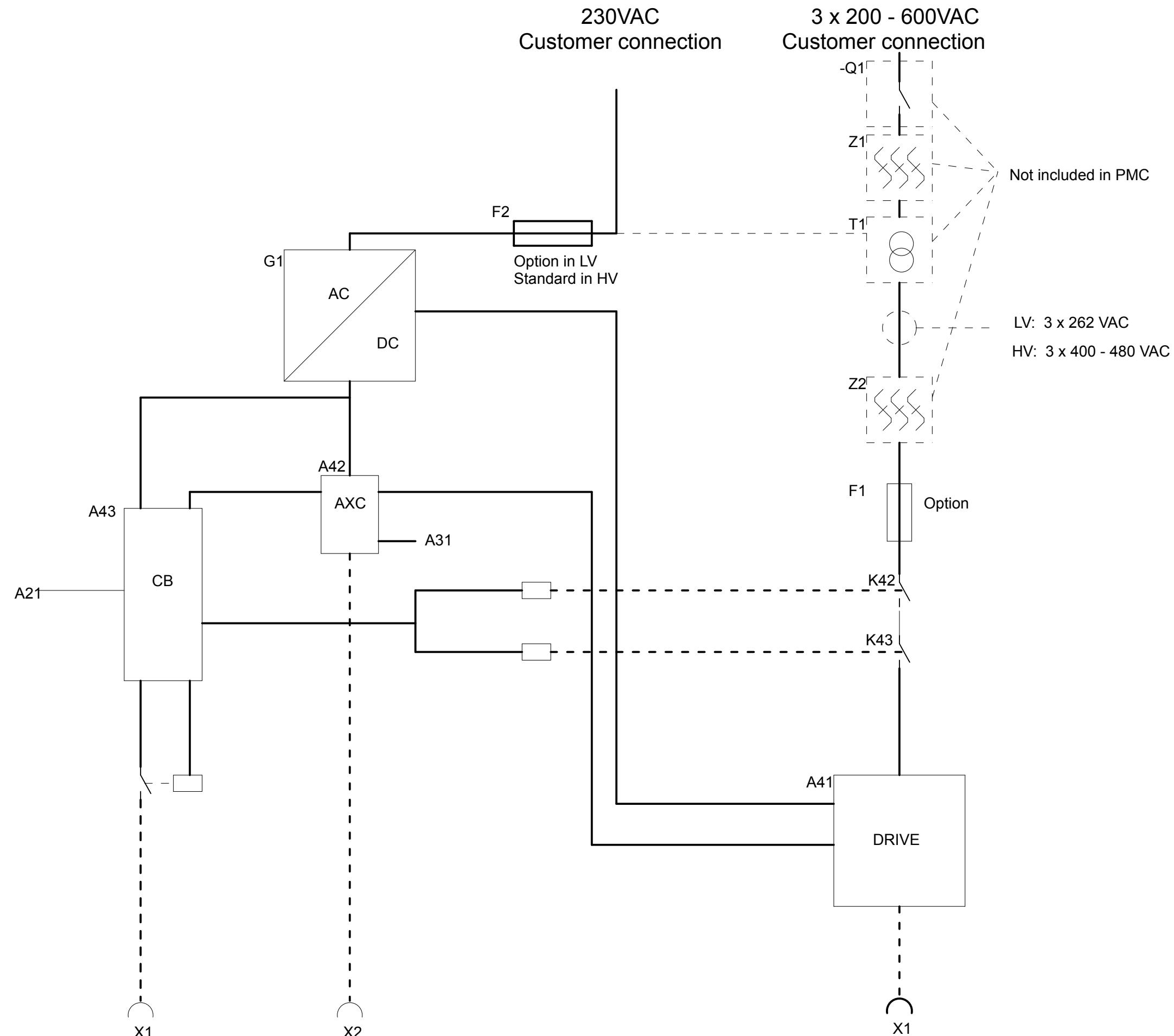
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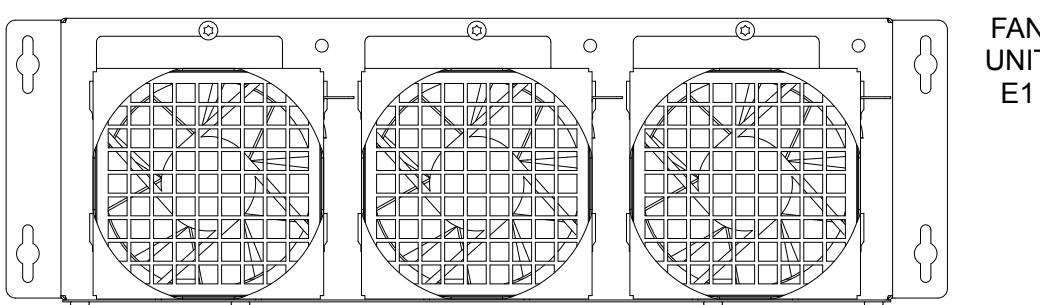
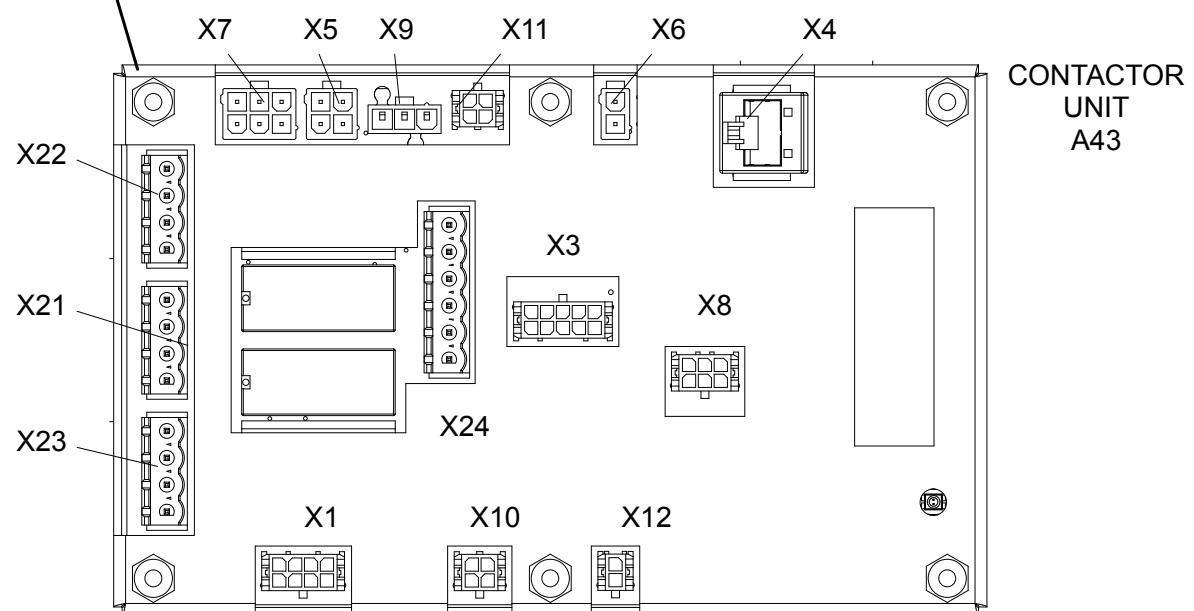
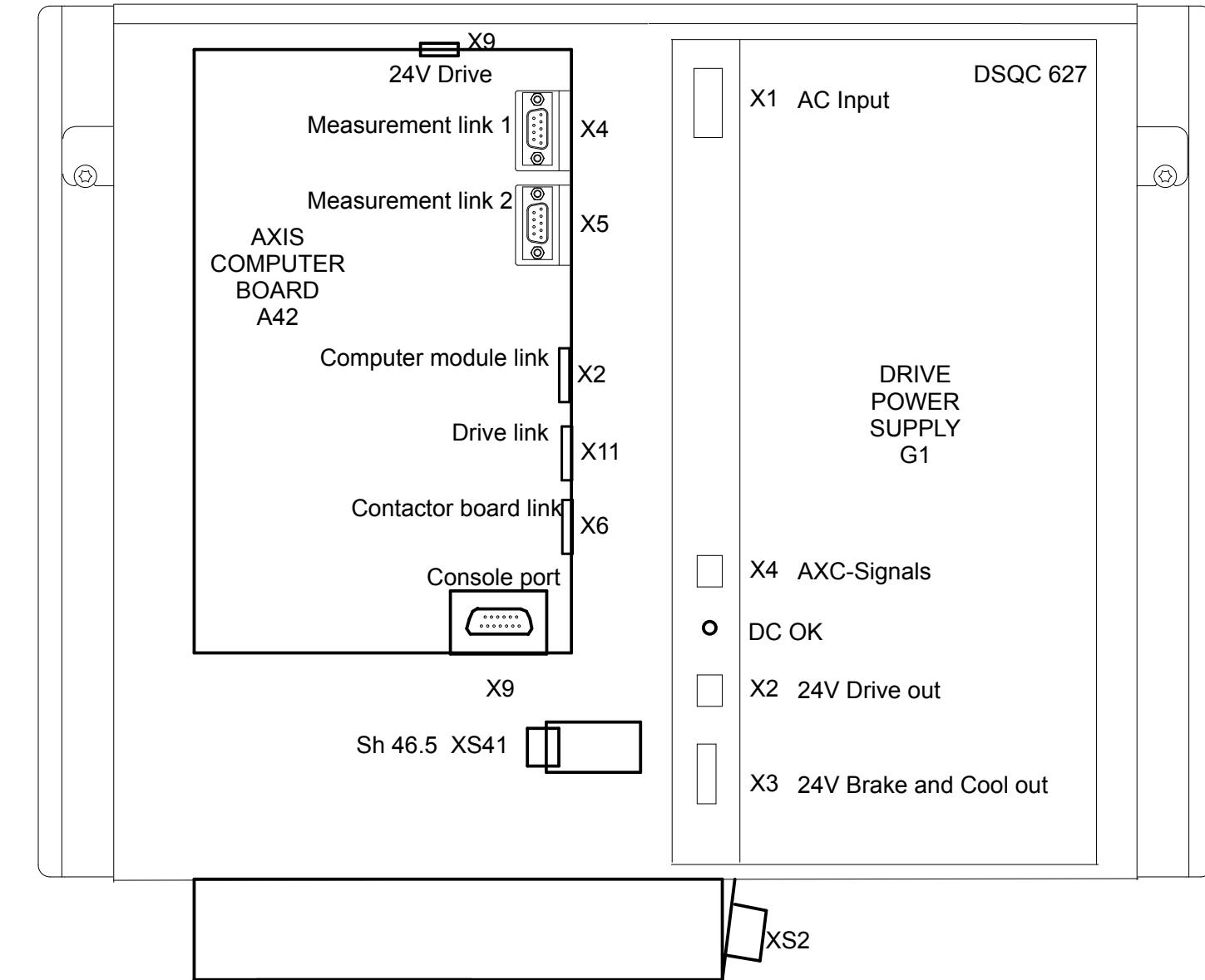
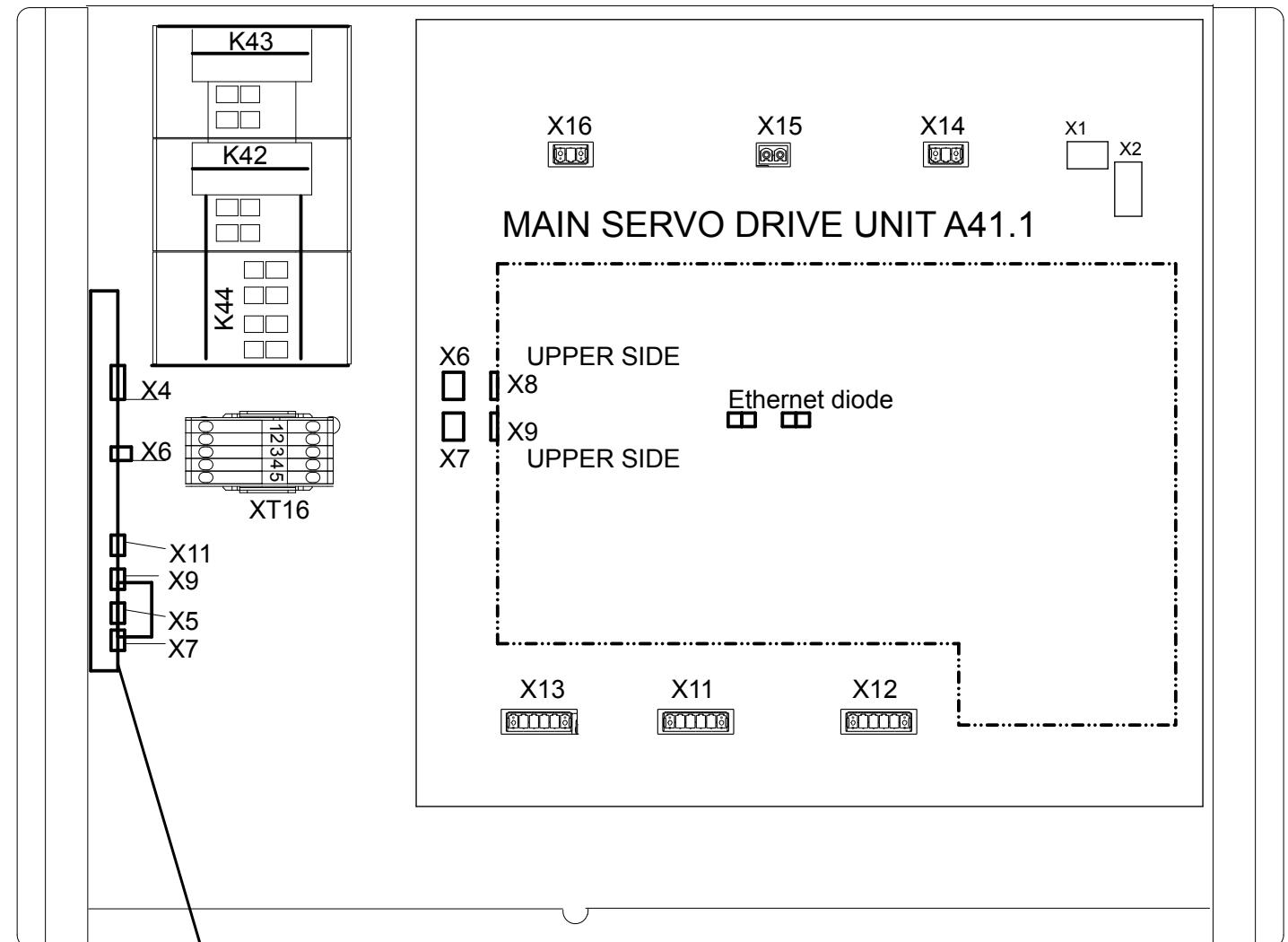
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E42

E43

E44

Latest revision:



Lab/Office:
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PRN

IRC5 PMC DESIGN 14 Rel 17.1
VIEW OF DRIVE MODULE LV

Status:
Approved

Plant:
Location:
Sublocation:

Document no.

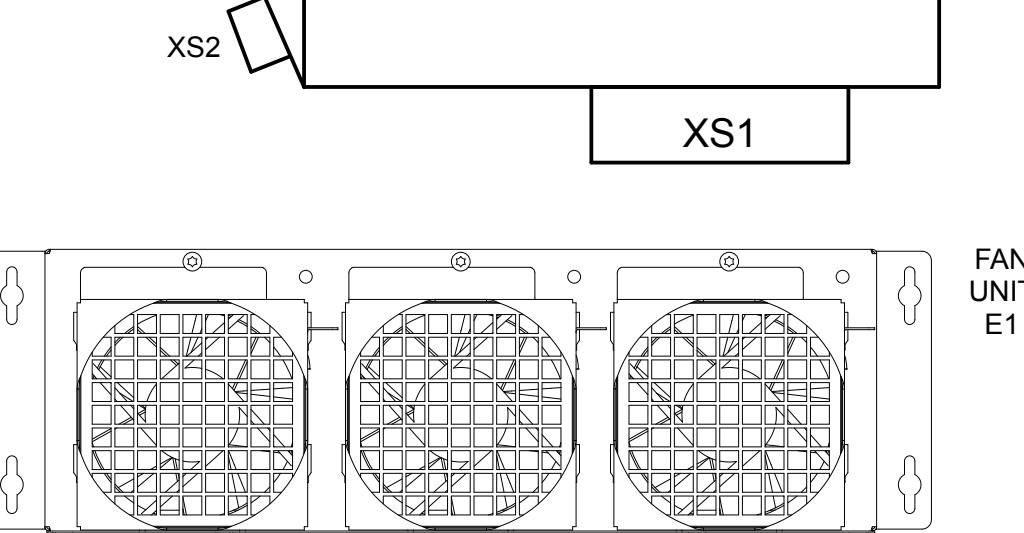
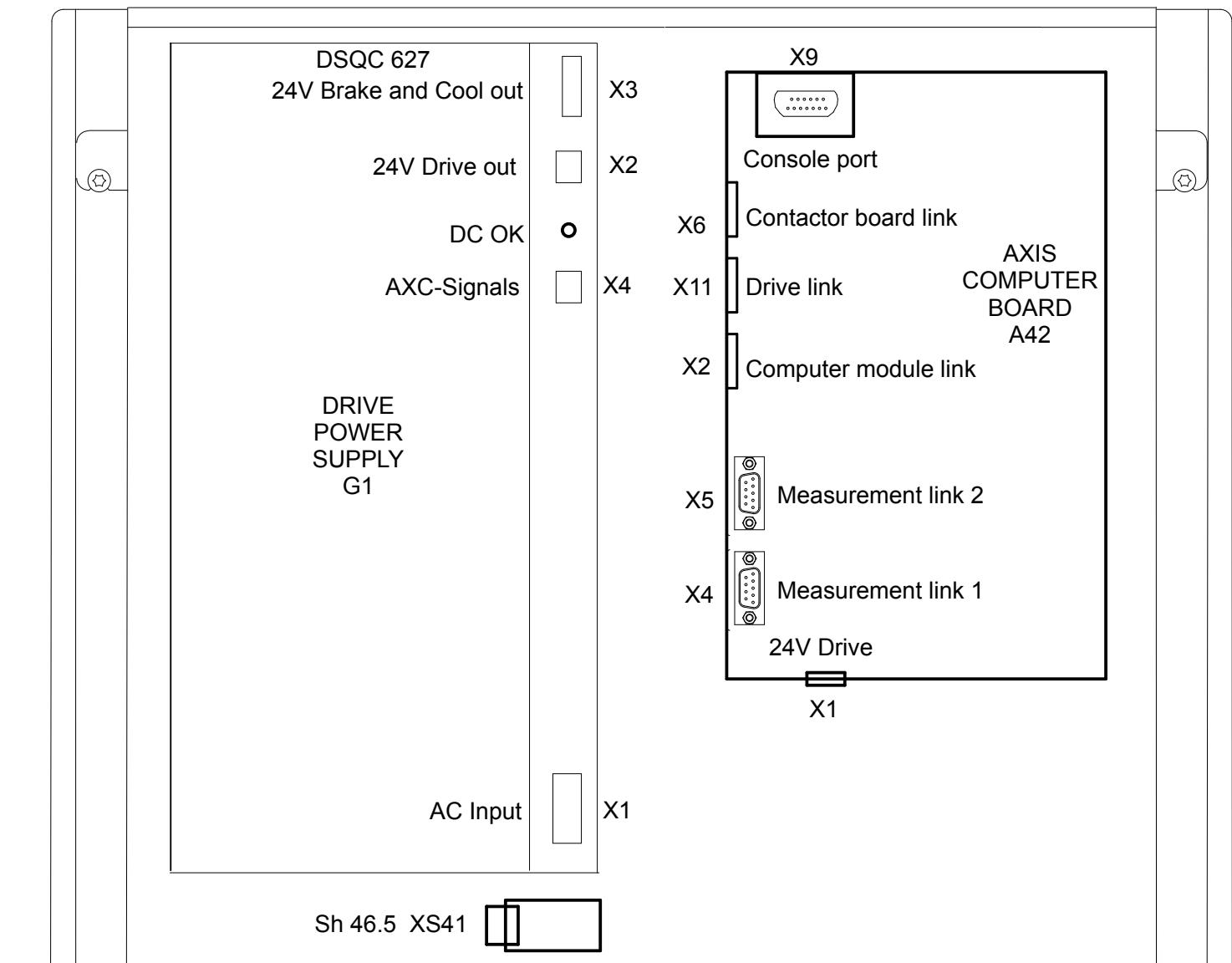
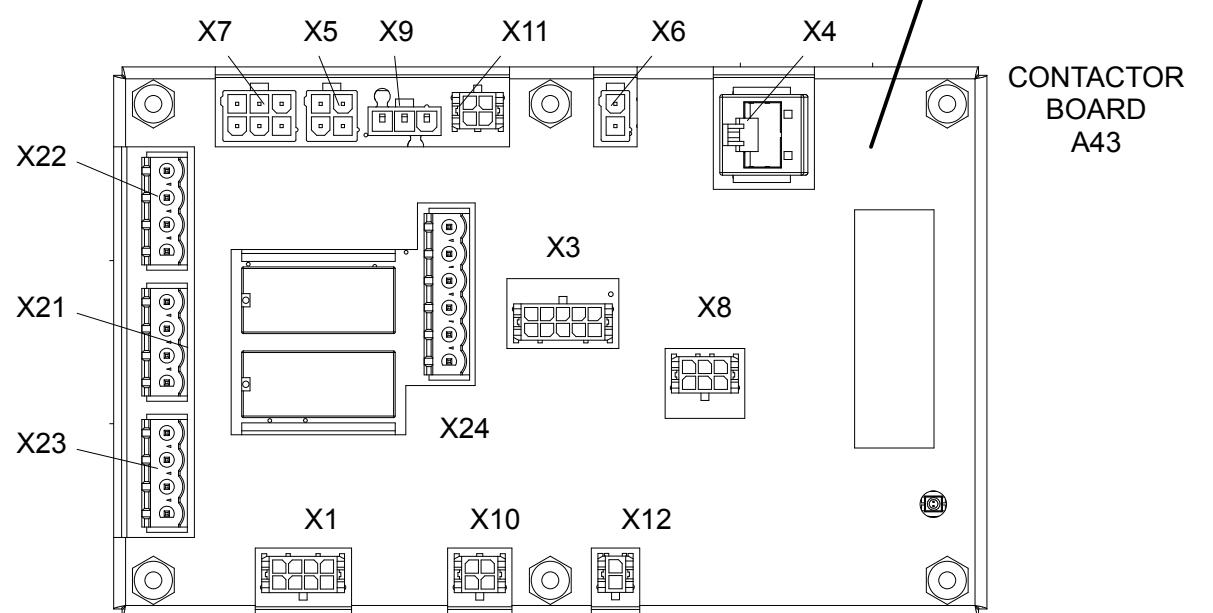
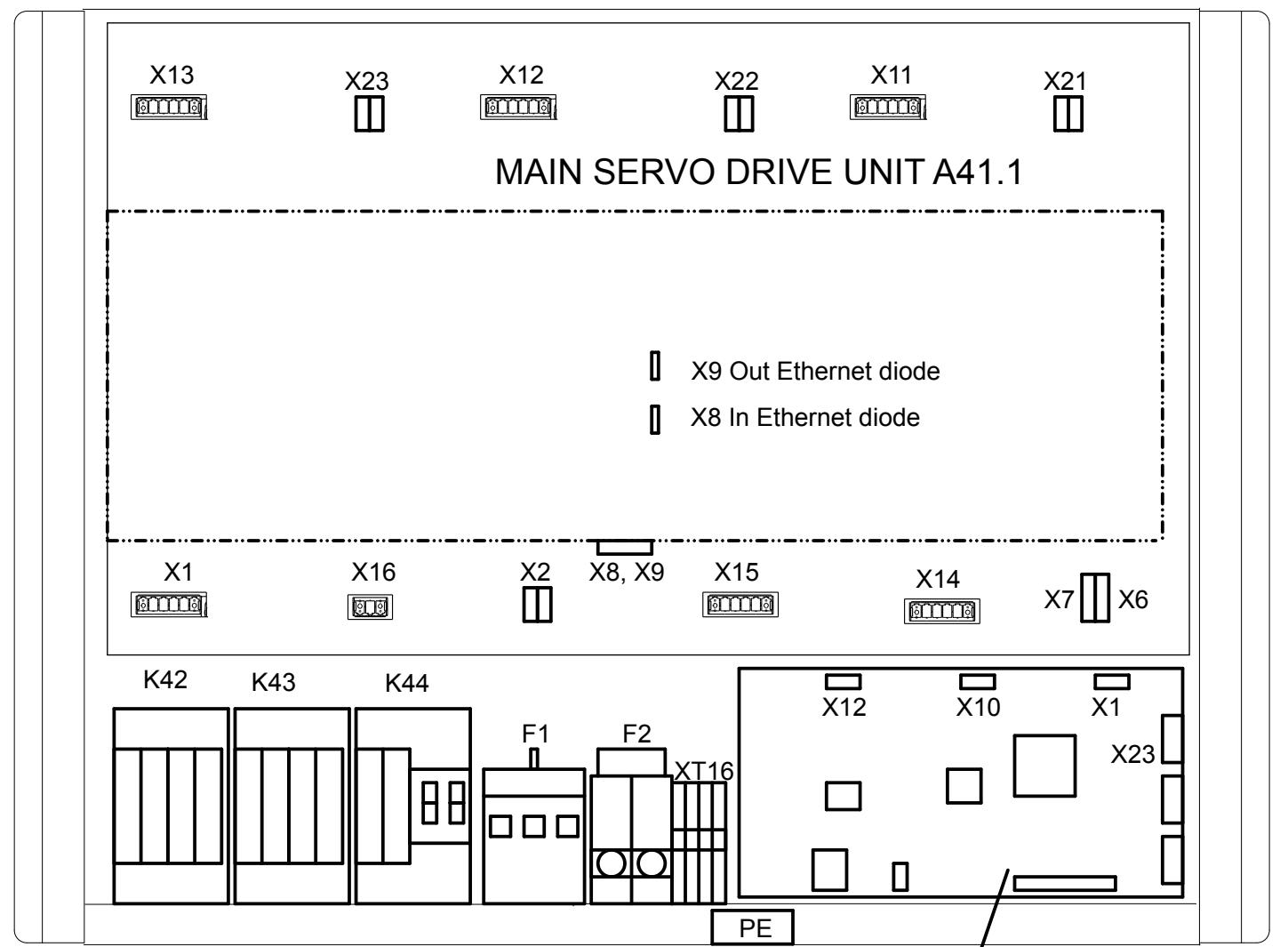
Rev. Ind

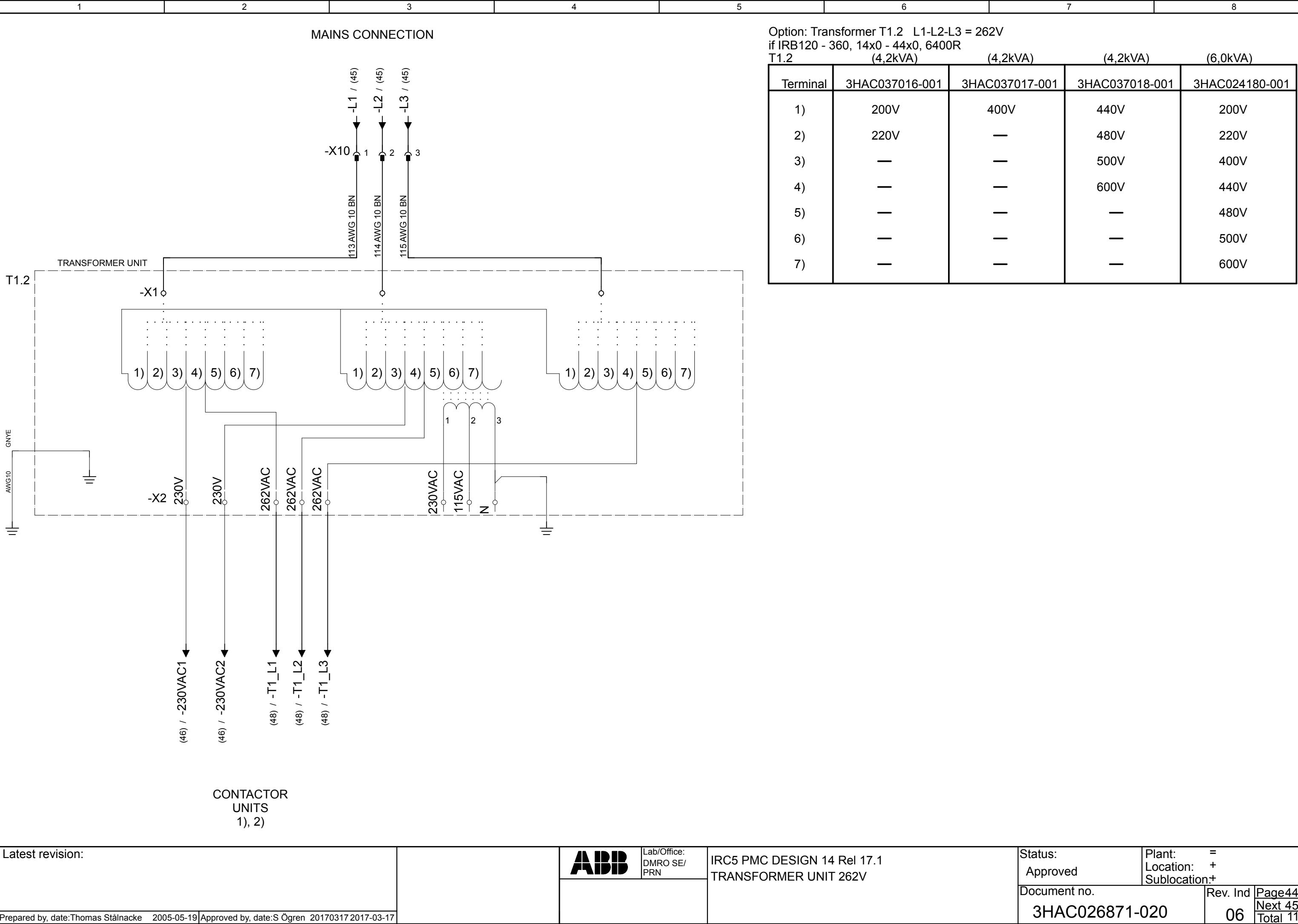
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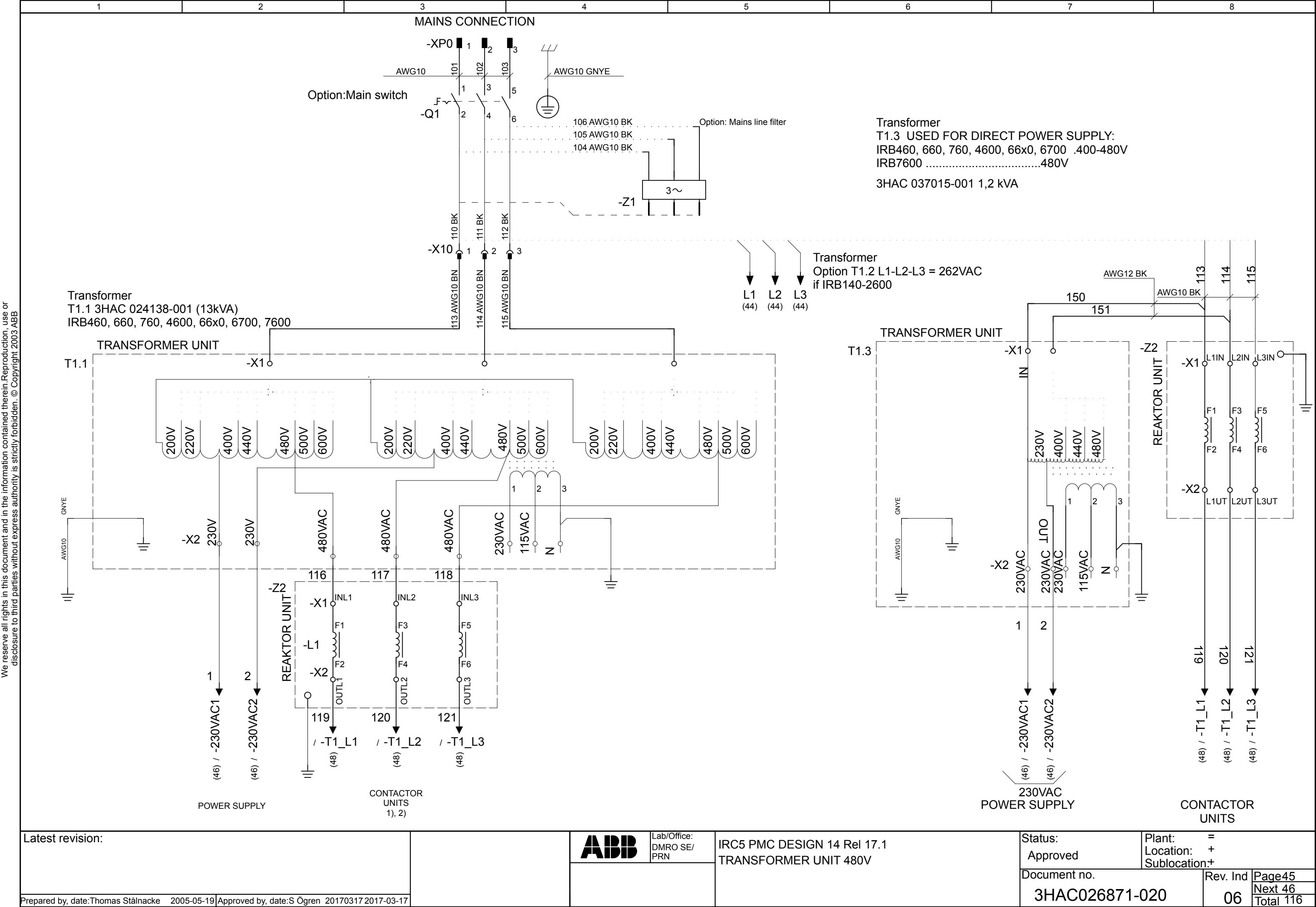
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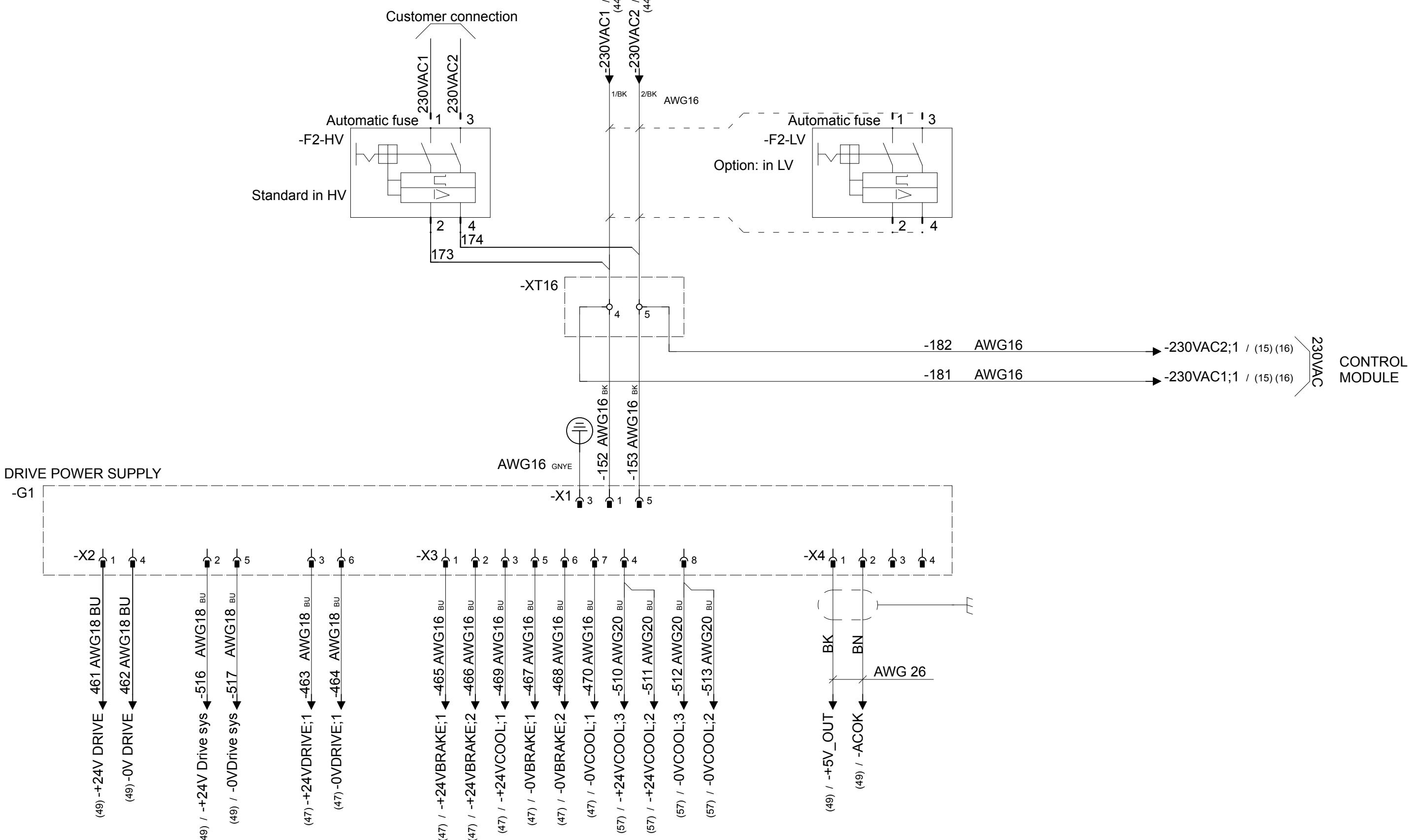
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POWER SUPPLY

Status:
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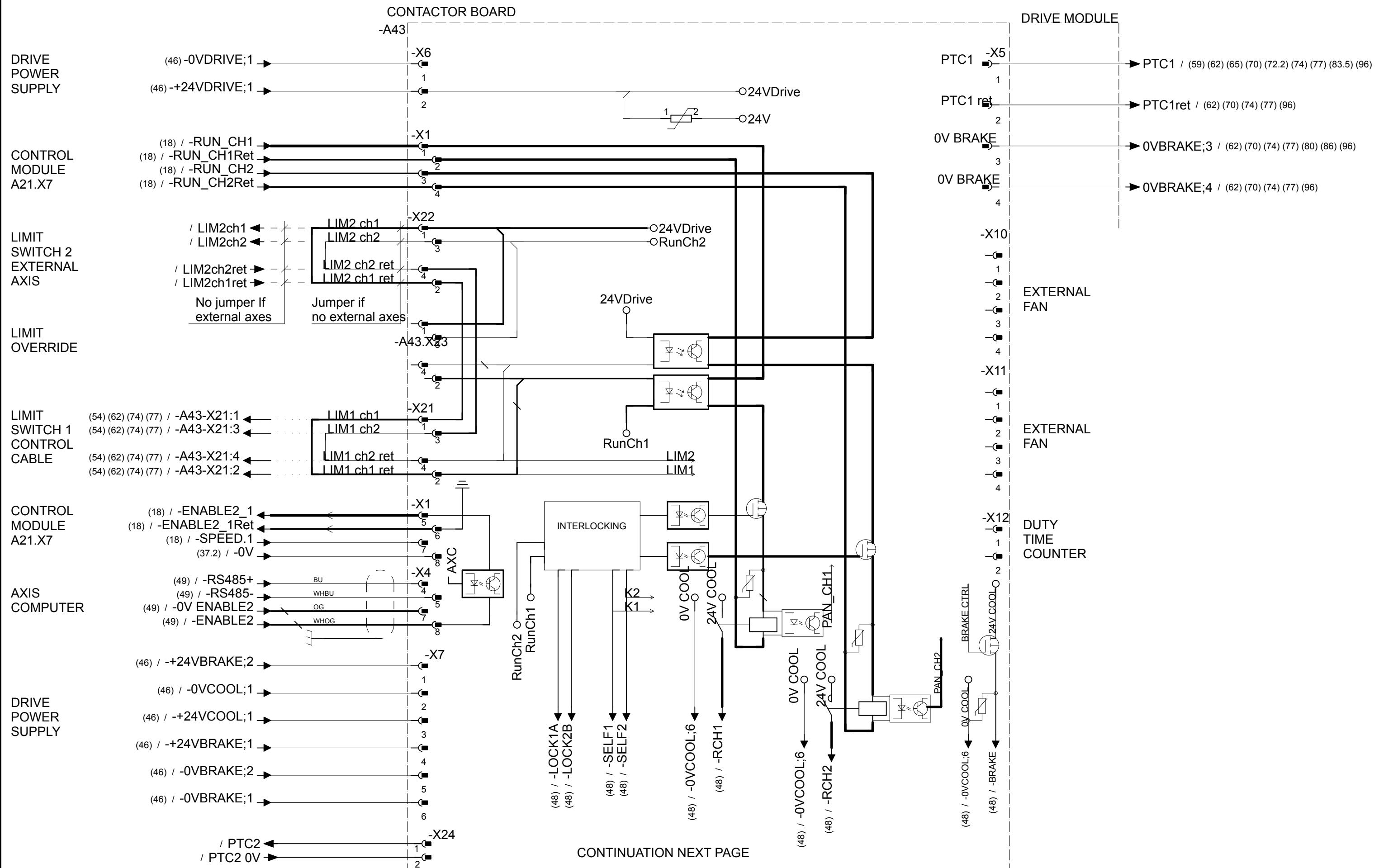
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Document no.

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06



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IRC5 PMC DESIGN 14 Rel 17.1
CONTACTOR BOARD

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind

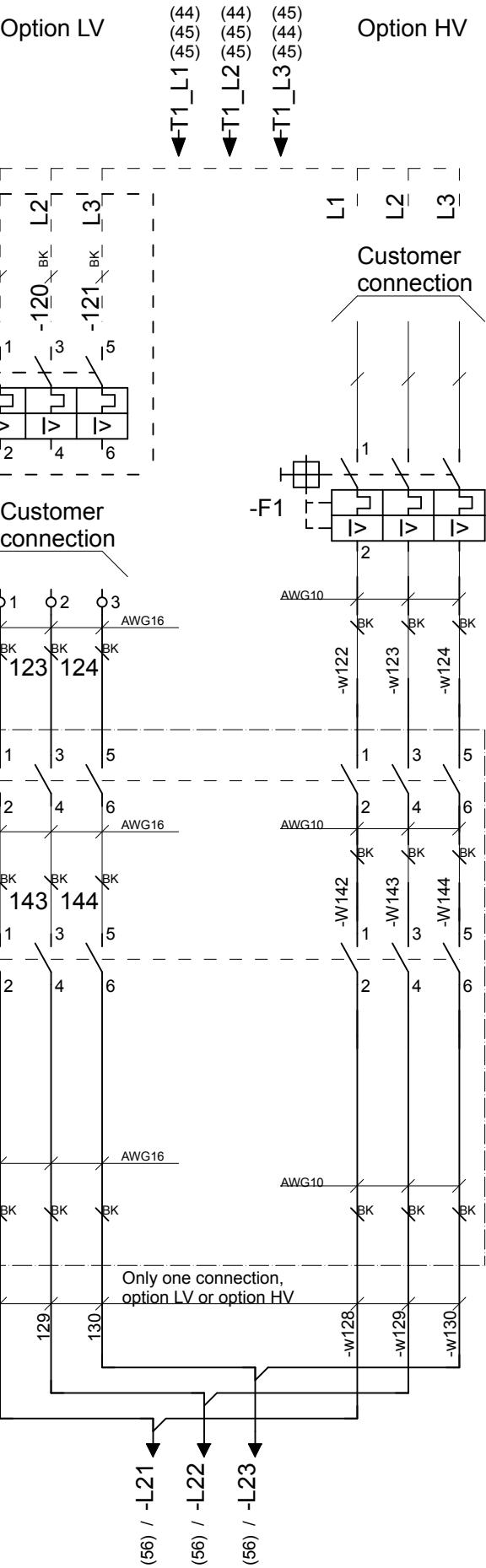
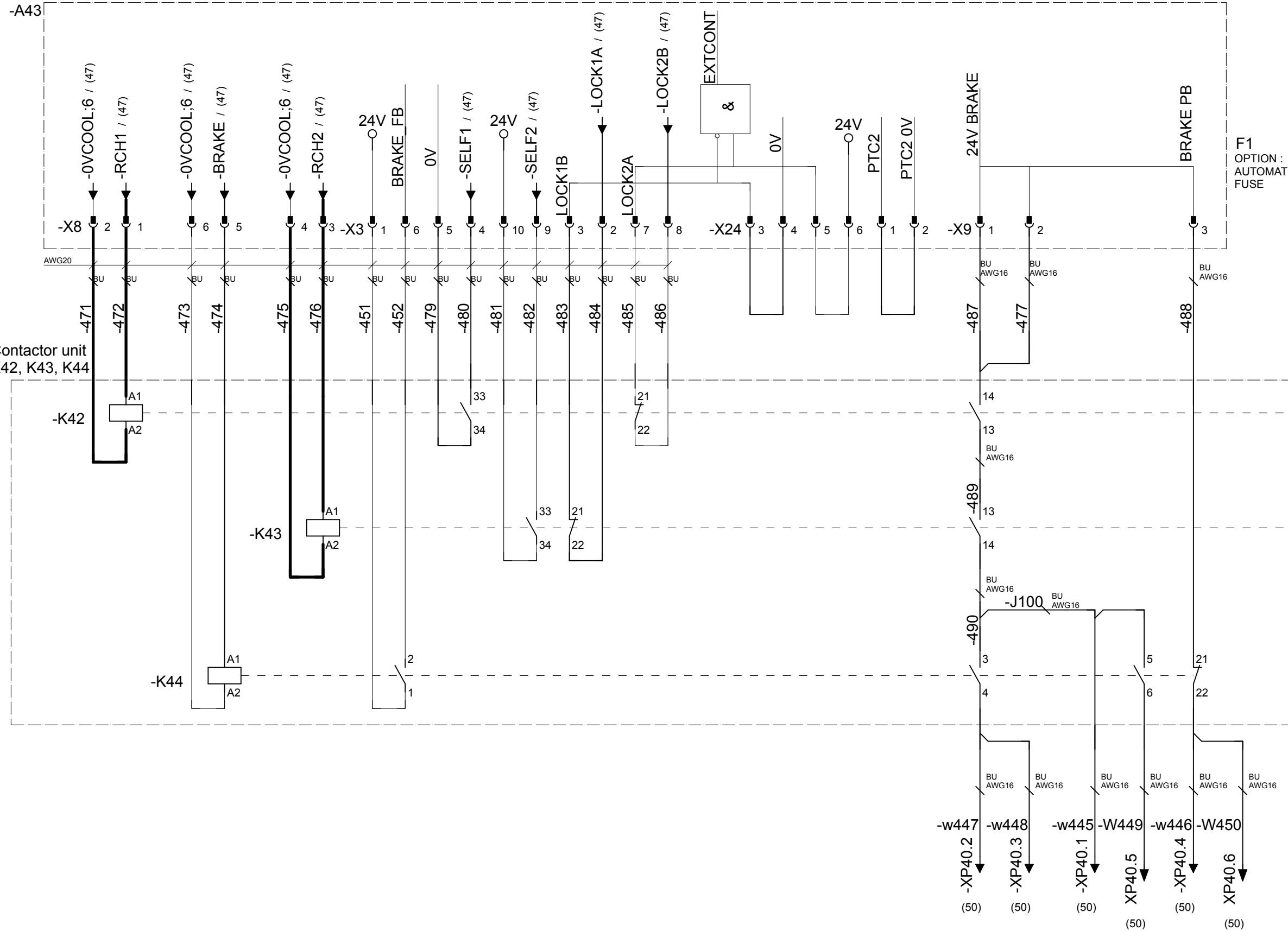
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CONTACTOR BOARD



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Lab/Office:
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PRN

IRC5 PMC DESIGN 14 Rel 17.1
CONTACTOR UNIT

Status:
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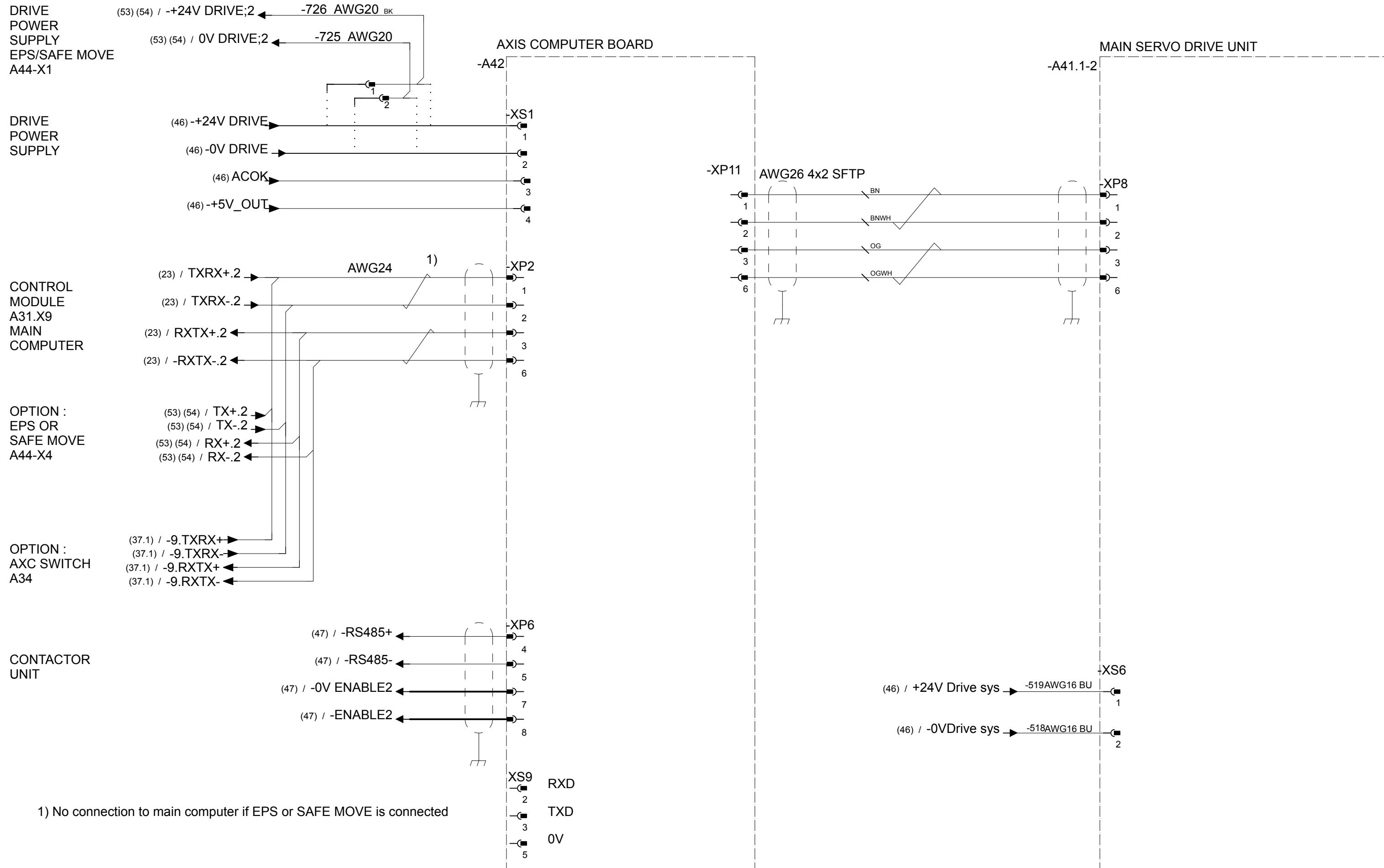
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Latest revision:



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AXIS COMPUTER and MAIN SERVO DRIVE UNITS

Status:
Approved

Plant: =
Location: +
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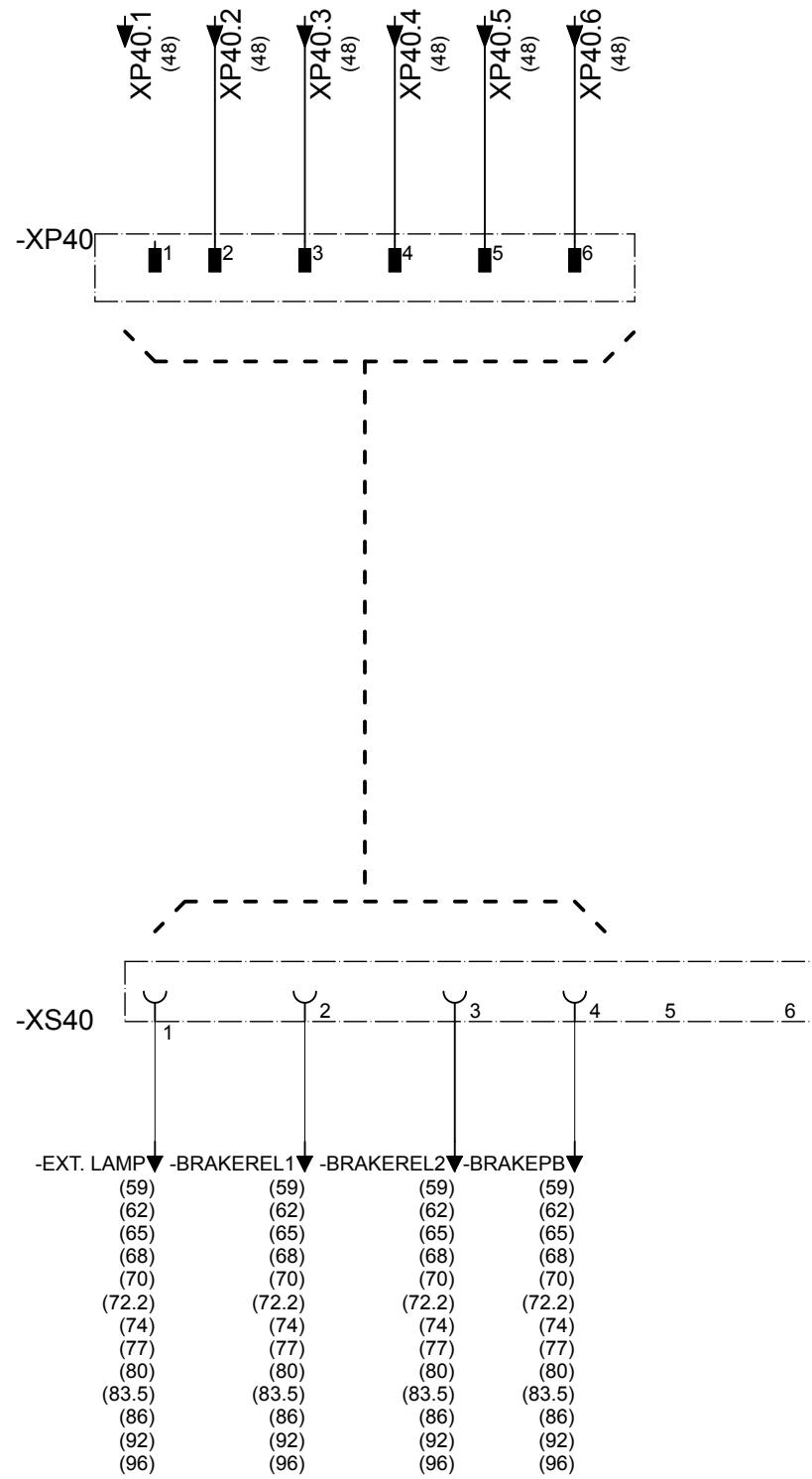
Rev. Ind

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CONTROL CABLE

Latest revision:



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IRC5 PMC DESIGN 14 Rel 17.1
CONTACTOR UNIT

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

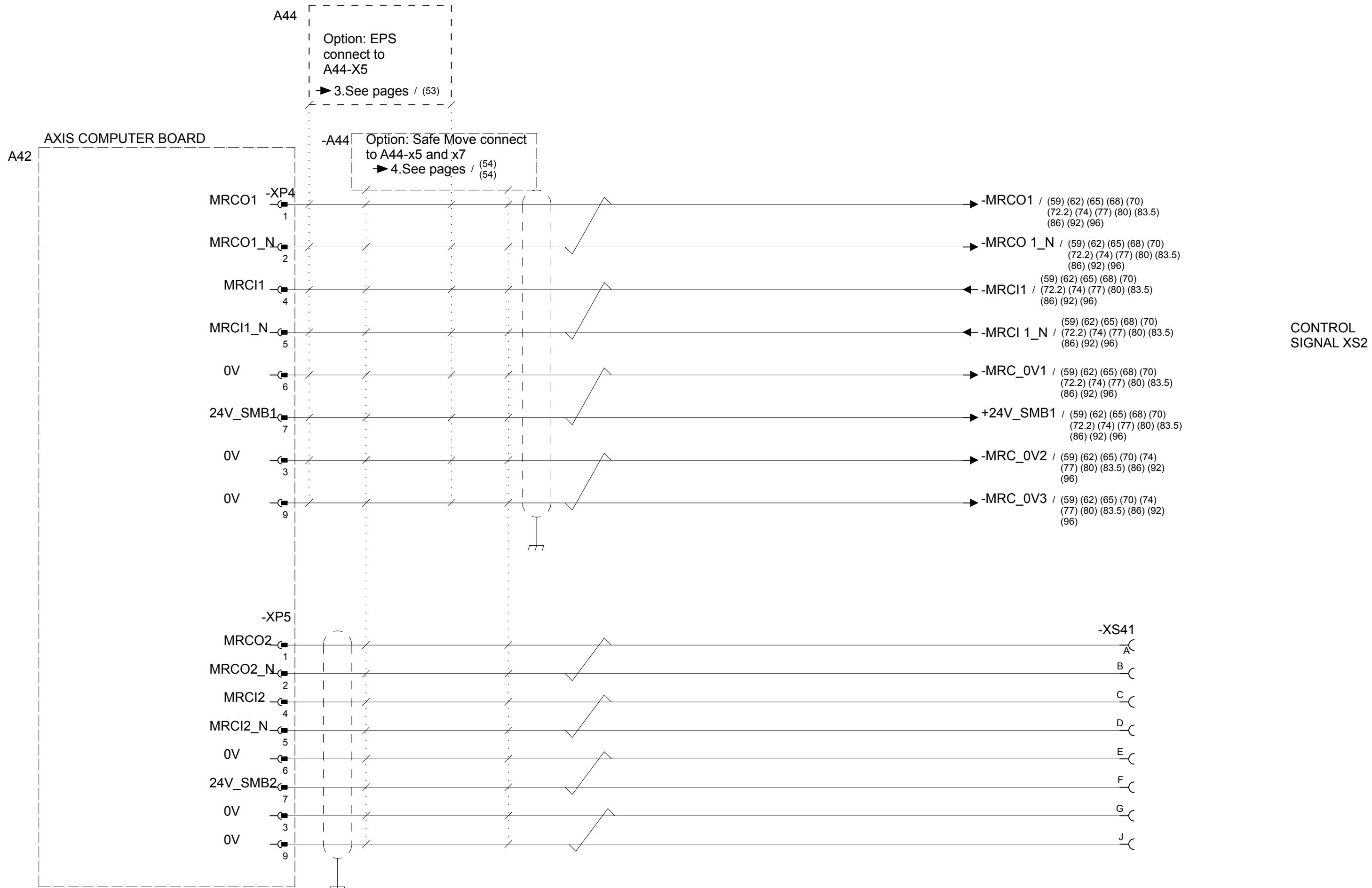
Rev. Ind

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IRC5 PMC DESIGN 14 Rel 17.1
AXIS COMPUTER BOARD

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

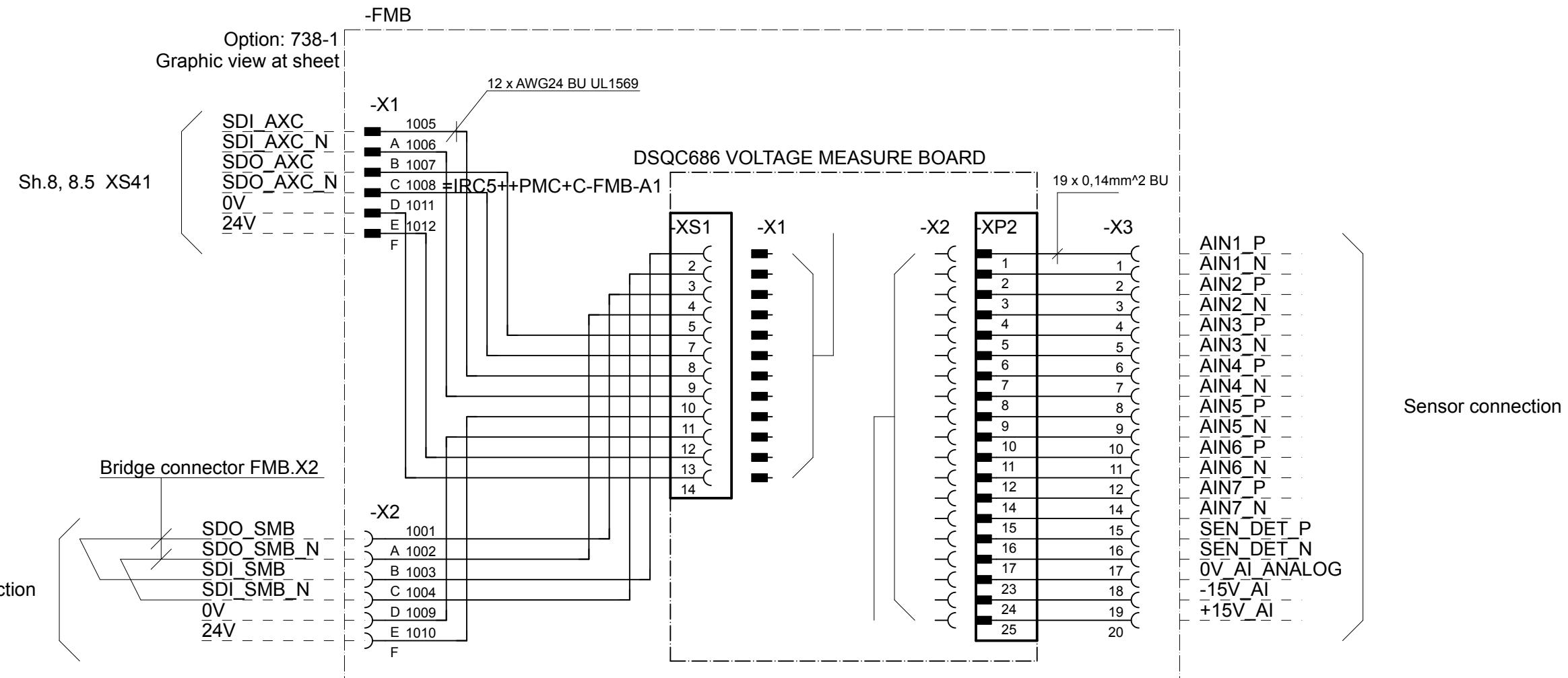
Rev. Ind

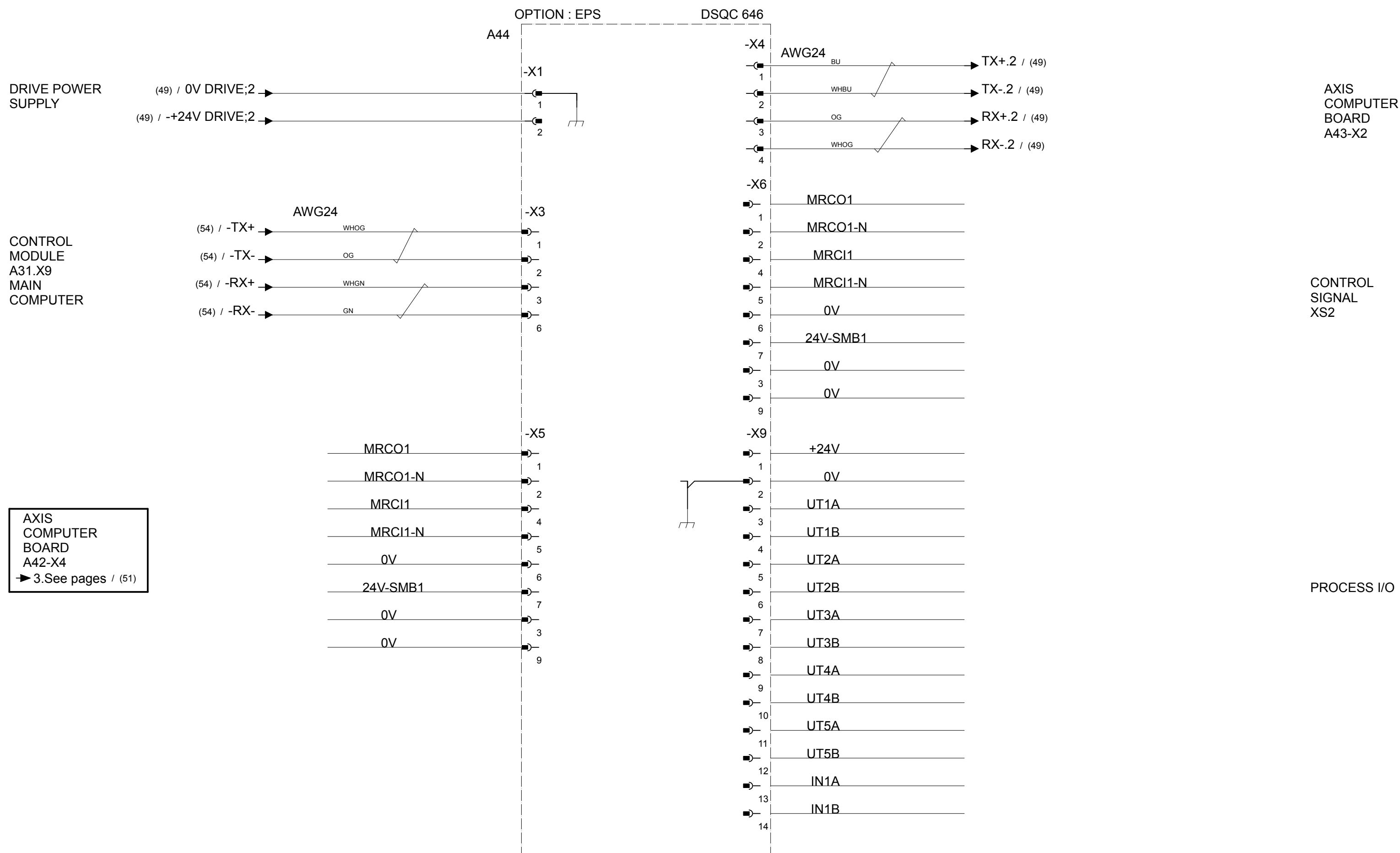
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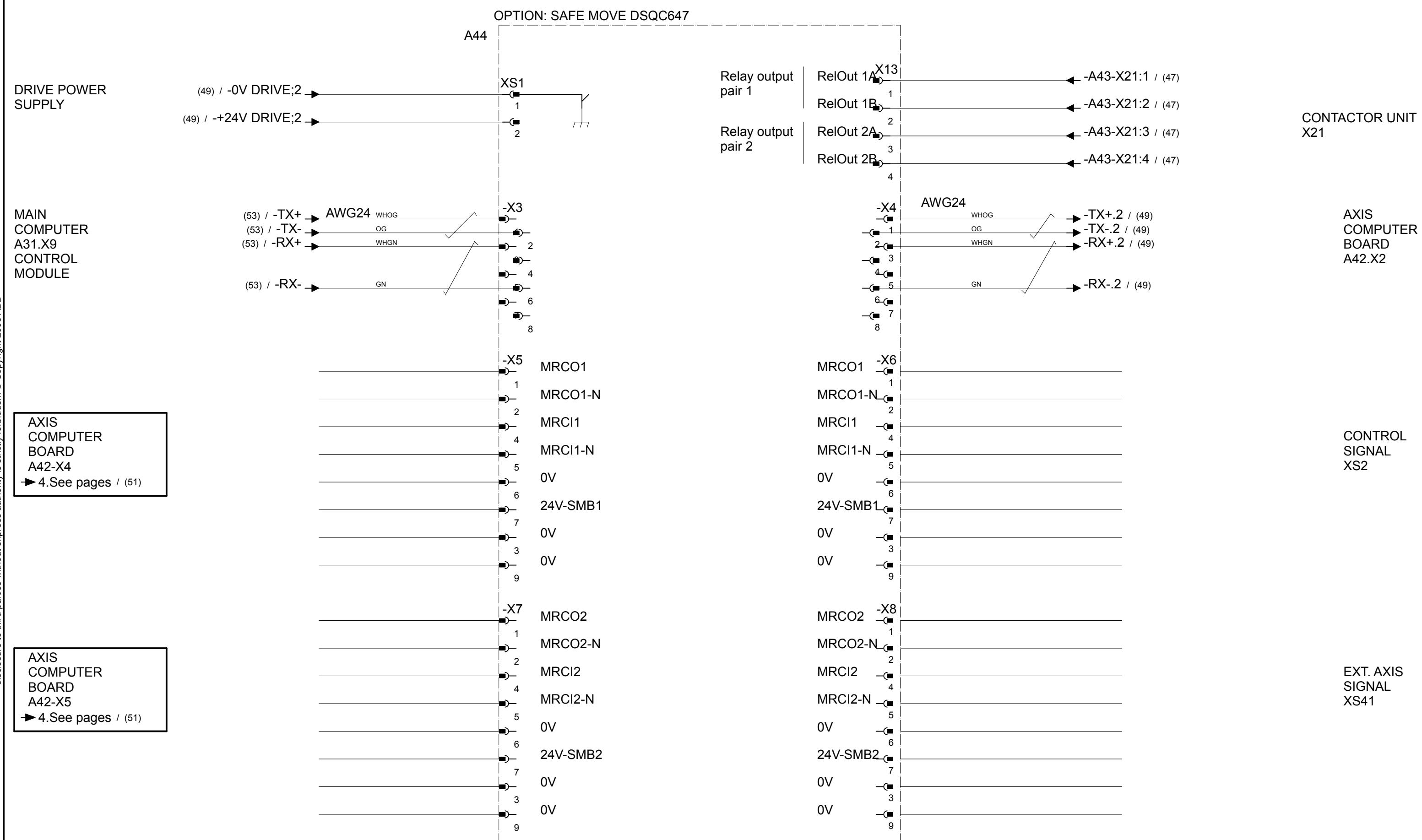
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Total 116







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Lab/Office:
DMRO SE/
PRNIRC5 PMC DESIGN 14 Rel 17.1
SAFE MOVEStatus:
ApprovedPlant: =
Location: +
Sublocation: +

Document no.

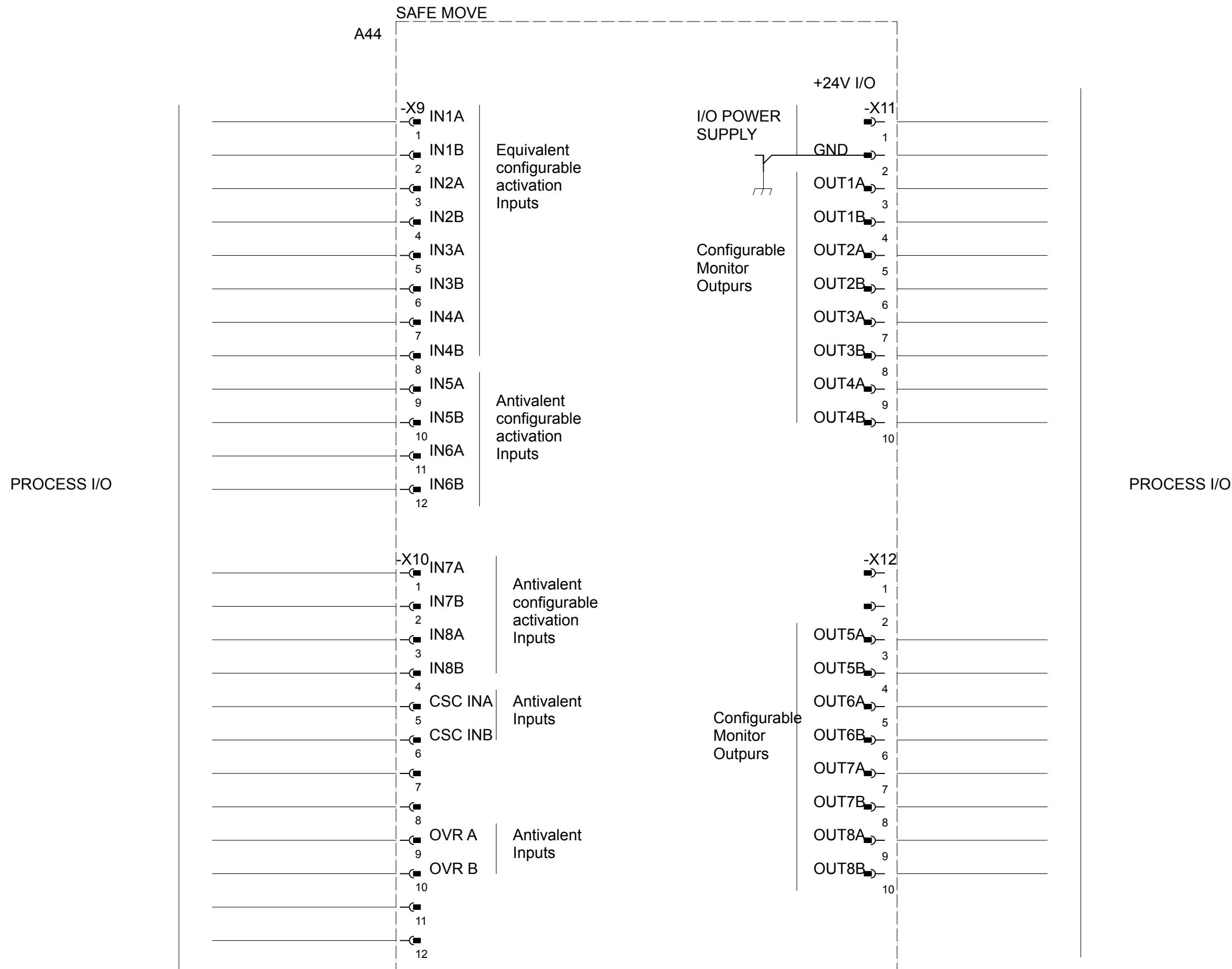
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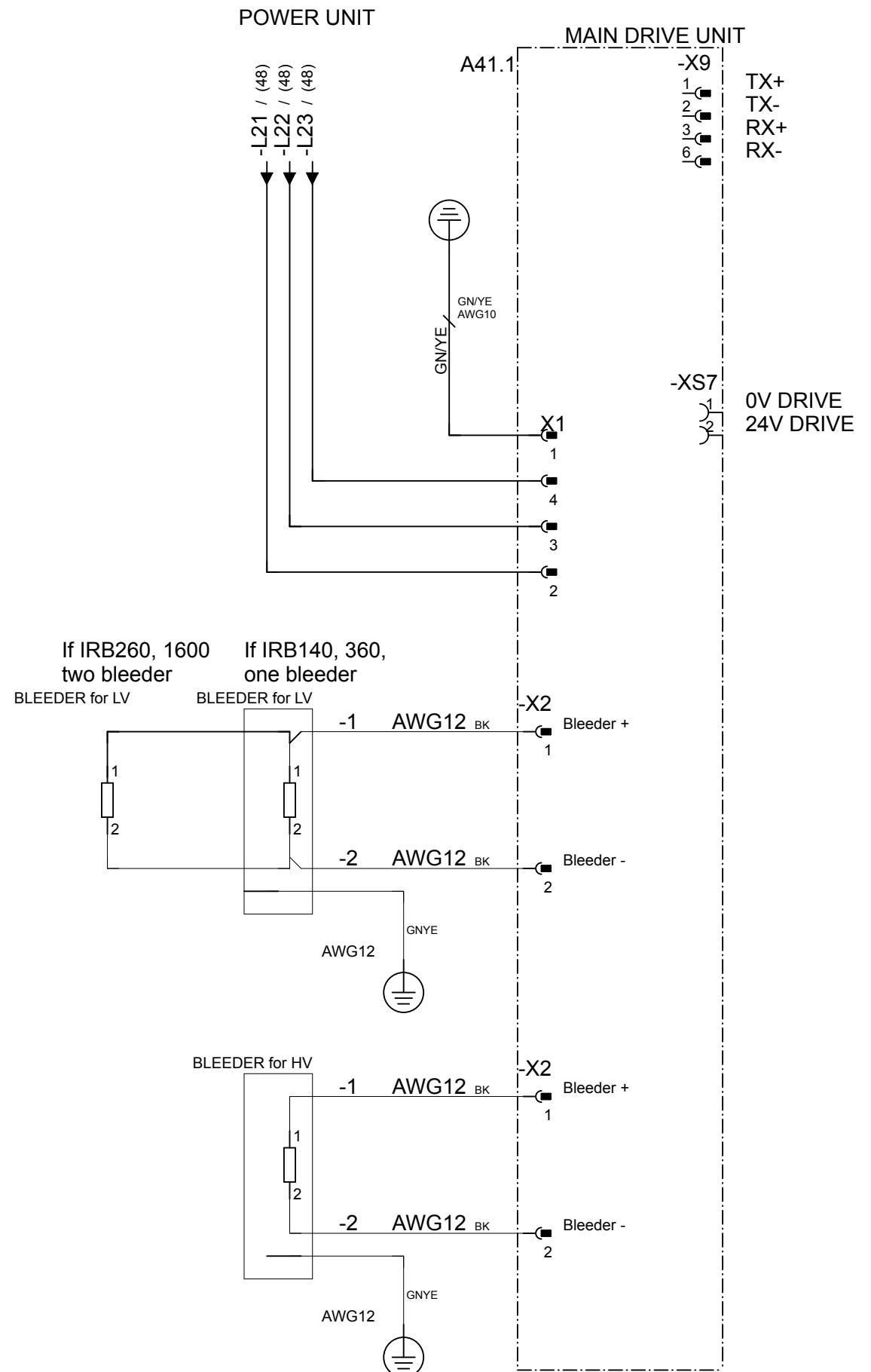
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Latest revision:



Lab/Office:
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IRC5 PMC DESIGN 14 Rel 17.1
MAIN DRIVE UNIT

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

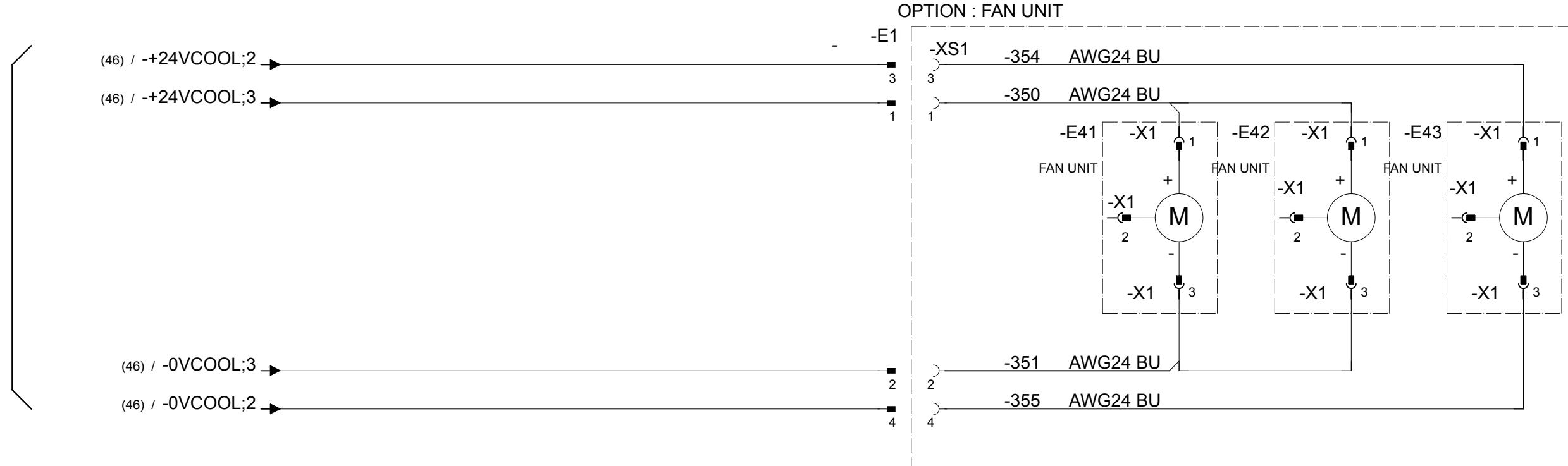
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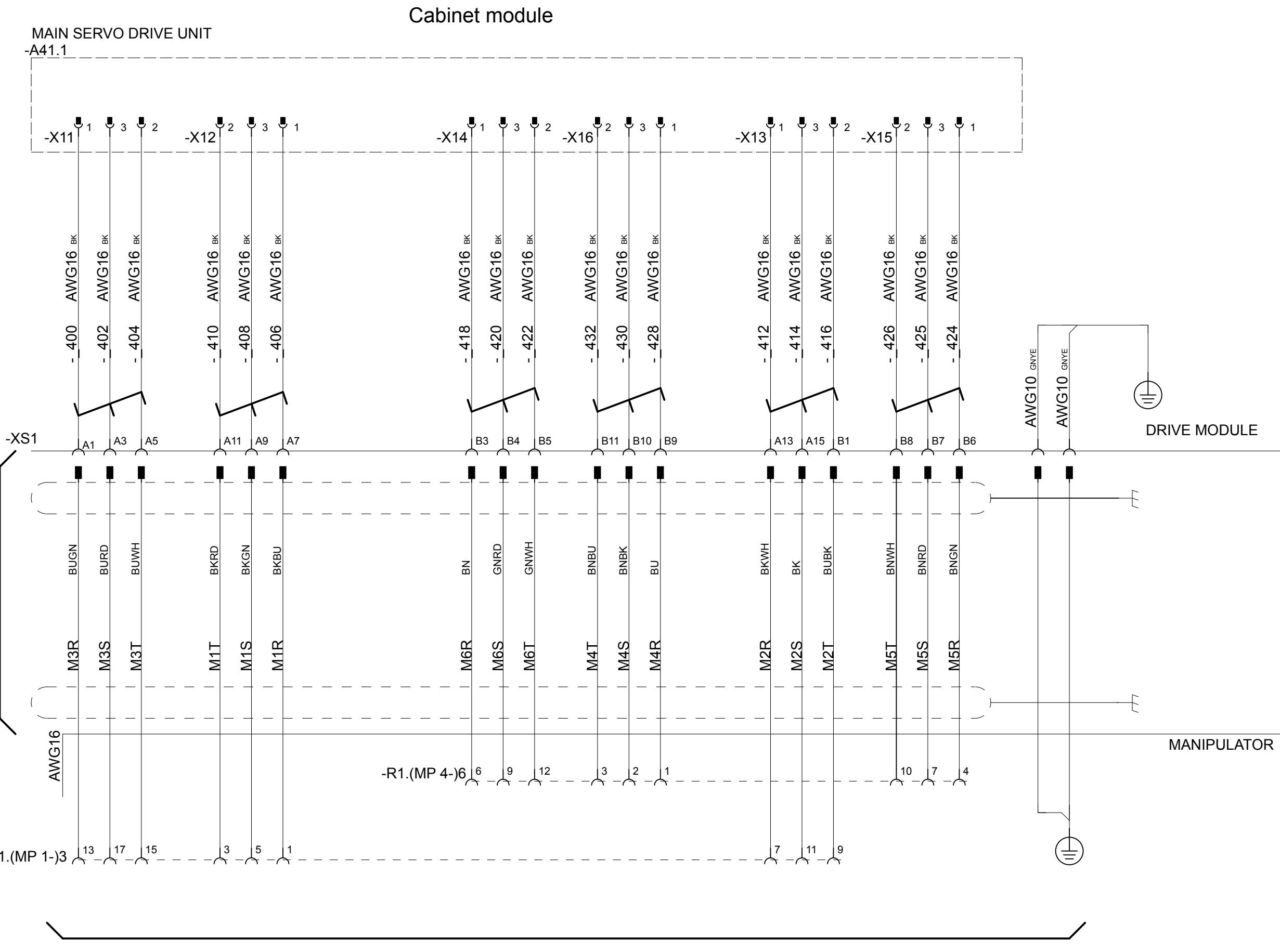
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According to Manipulator circuit diagram 3HAC6816-3

Latest revision:



Lab/Office:
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IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE SYSTEM
IRB 140

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind

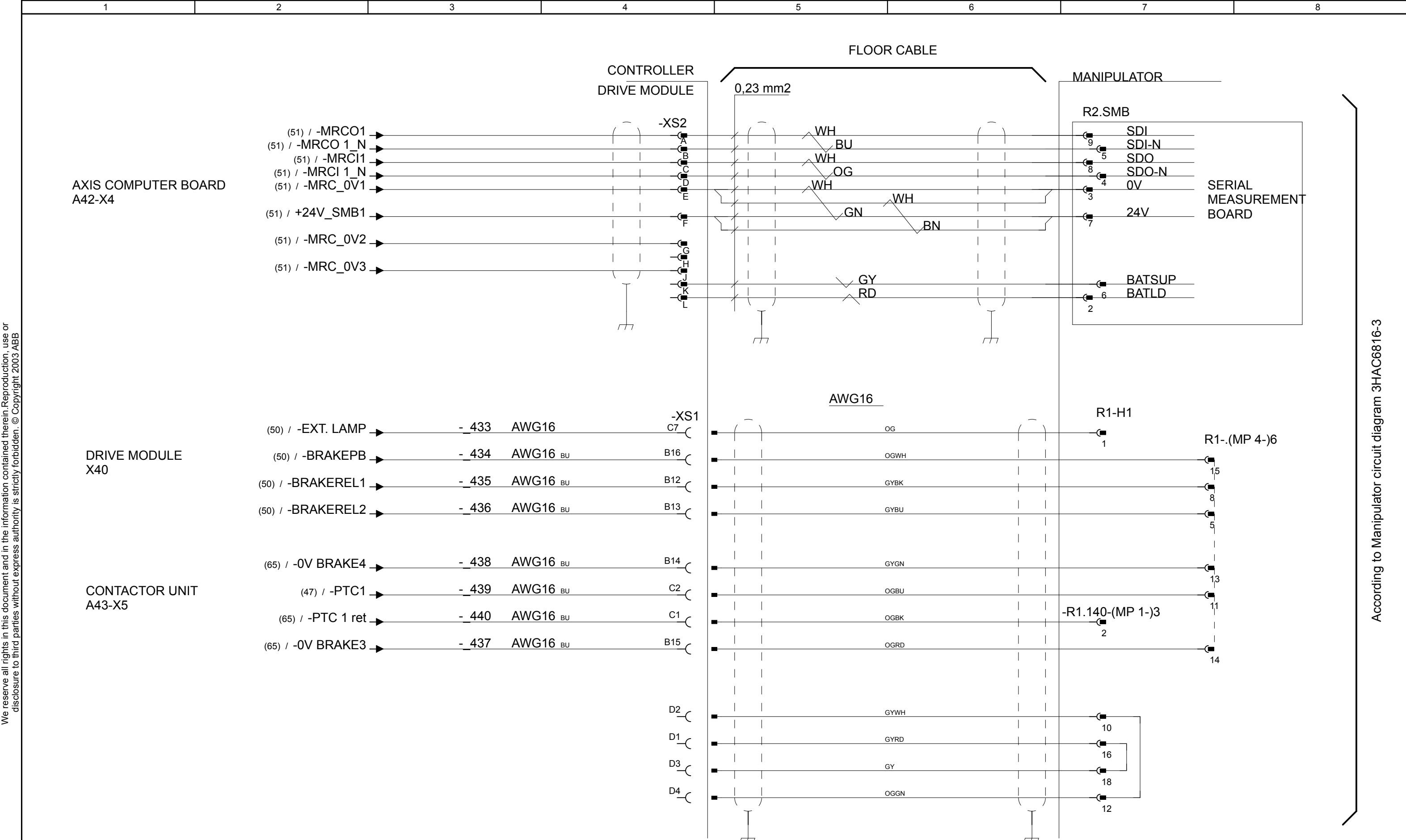
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06

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Total 116



According to Manipulator circuit diagram 3HAC6816-3

Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CONTROL CABLE
IRB 140

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

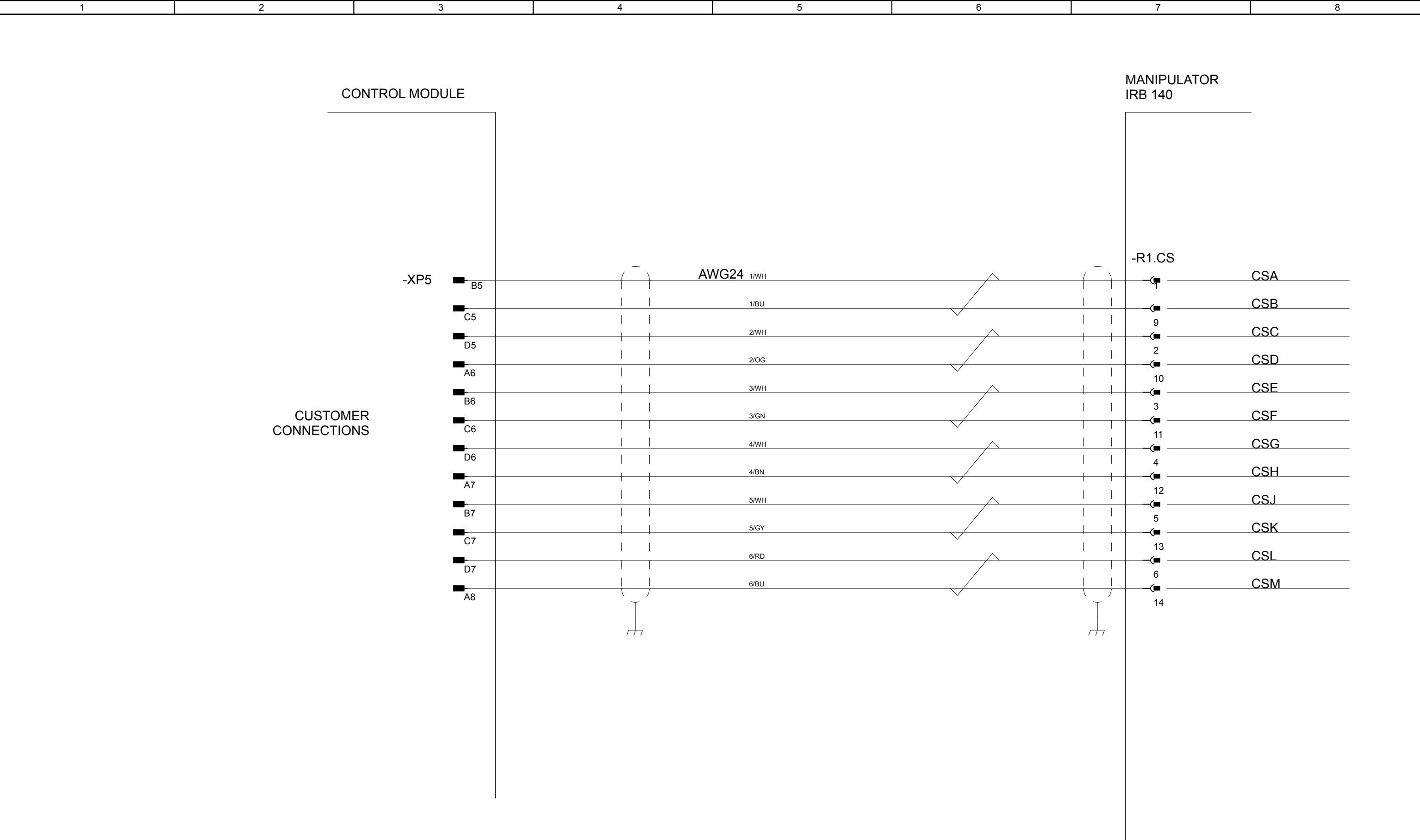
Rev. Ind

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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CUSTOMER SIGNAL
IRB 140

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

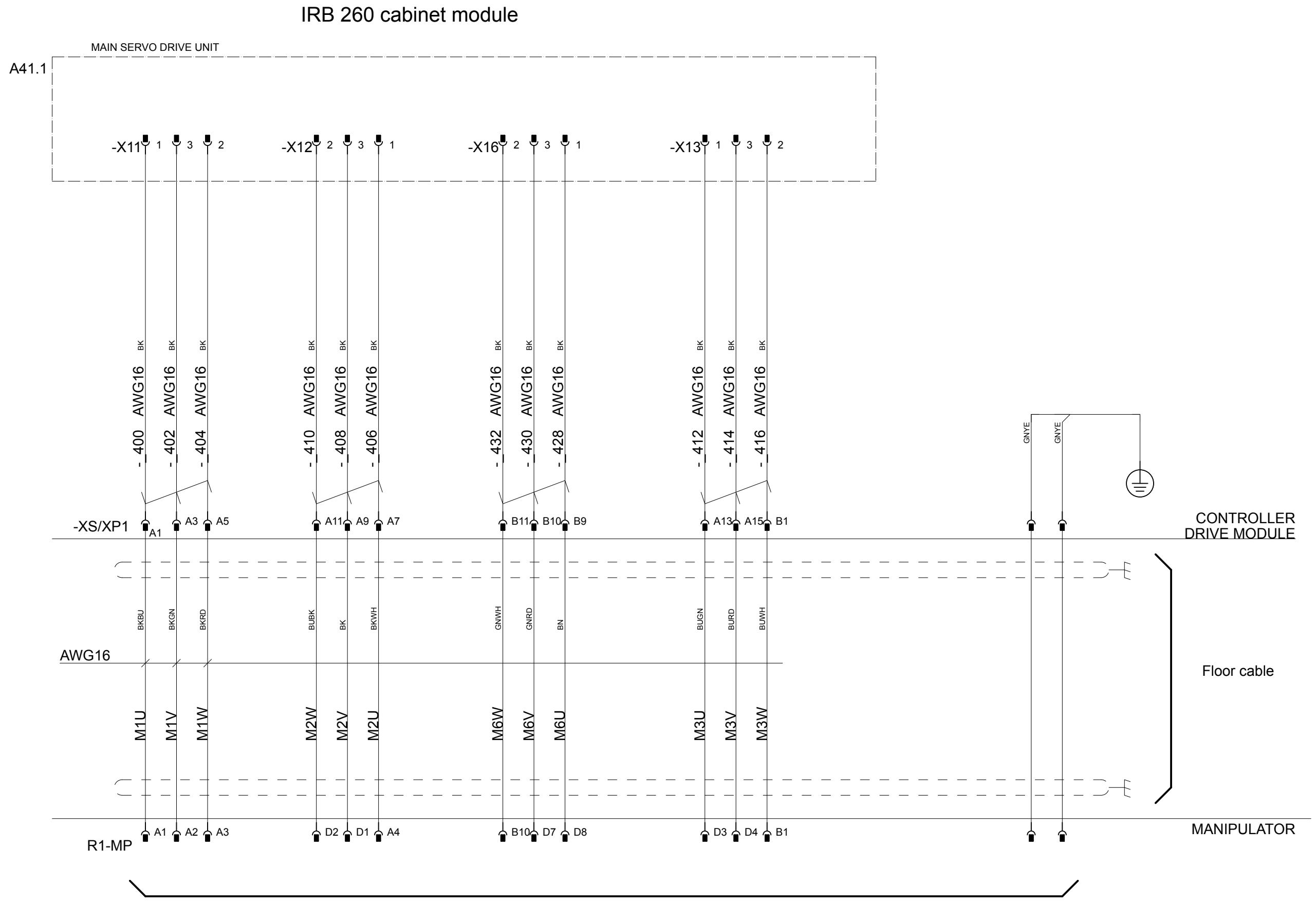
Rev. Ind

Page 60

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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE UNIT
IRB 260

Status:
Approved

Plant: =
Location: +
Sublocation: +

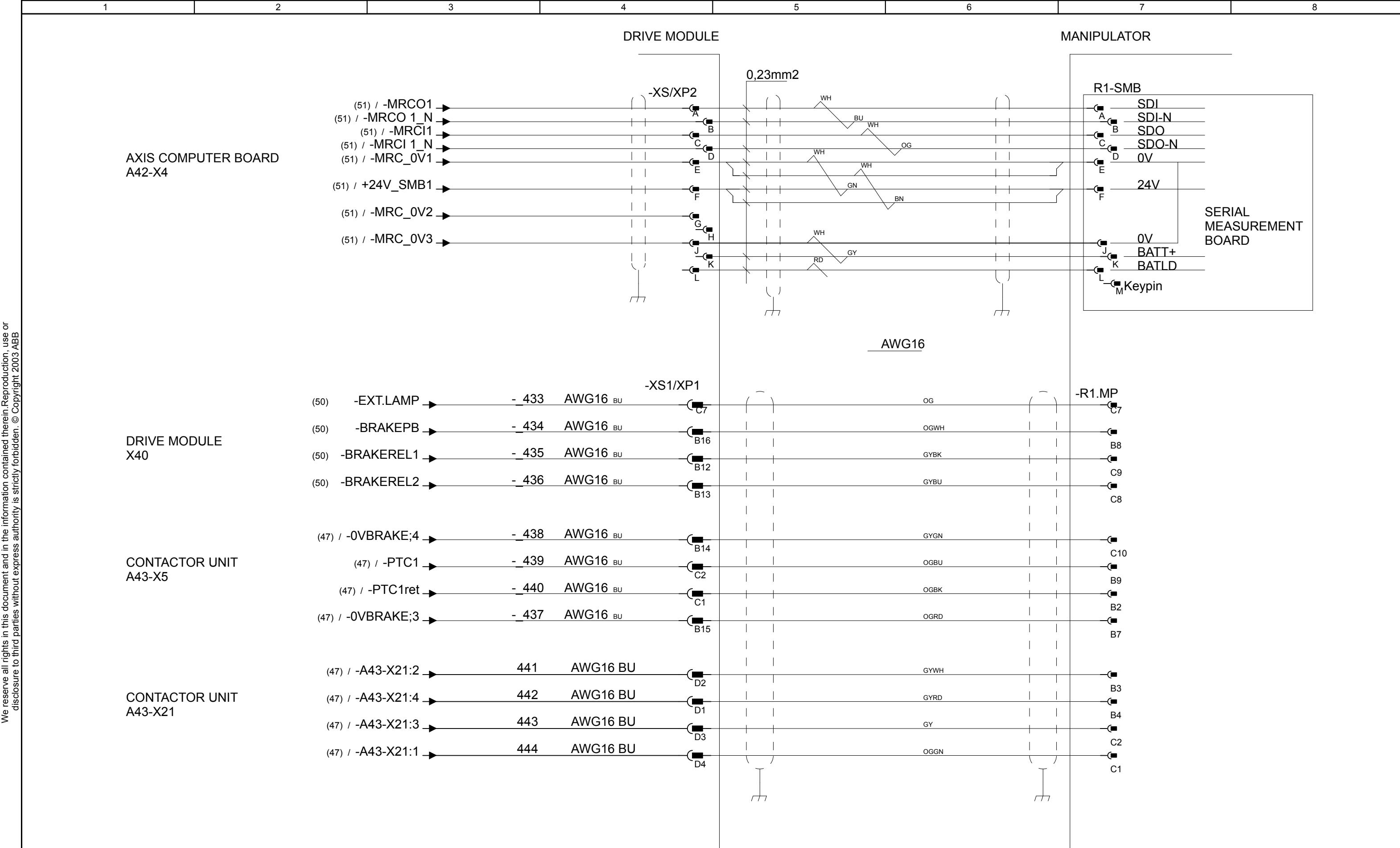
Document no.

Rev. Ind Page 61

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Total 116



CONTROL MODULE

-XS/XP5

A1
B1
C1
D1
A2
B2
C2
D2
A3
B3
C3
D3

AWG18 BU

RD
GN
YE
WH
BK
BN
VT
OG
PK
TQ
GY

B5
C5
D5
A6
B6
C6
D6
A7
B7
C7
D7
A8

1/BU
2/WH
2/OG
3/WH
3/GN
4/WH
4/BN
5/WH
5/GY
6/RD
6/BU

B8
C8
D8
A9
B9
C9
D9
A10
B10
C10
D10

7/RD
7/OG
8/RD
8/GN
9/RD
9/BN
10/RD
10/GY
11/BK
11/BU
12/BK

MANIPULATOR

-R1.CS

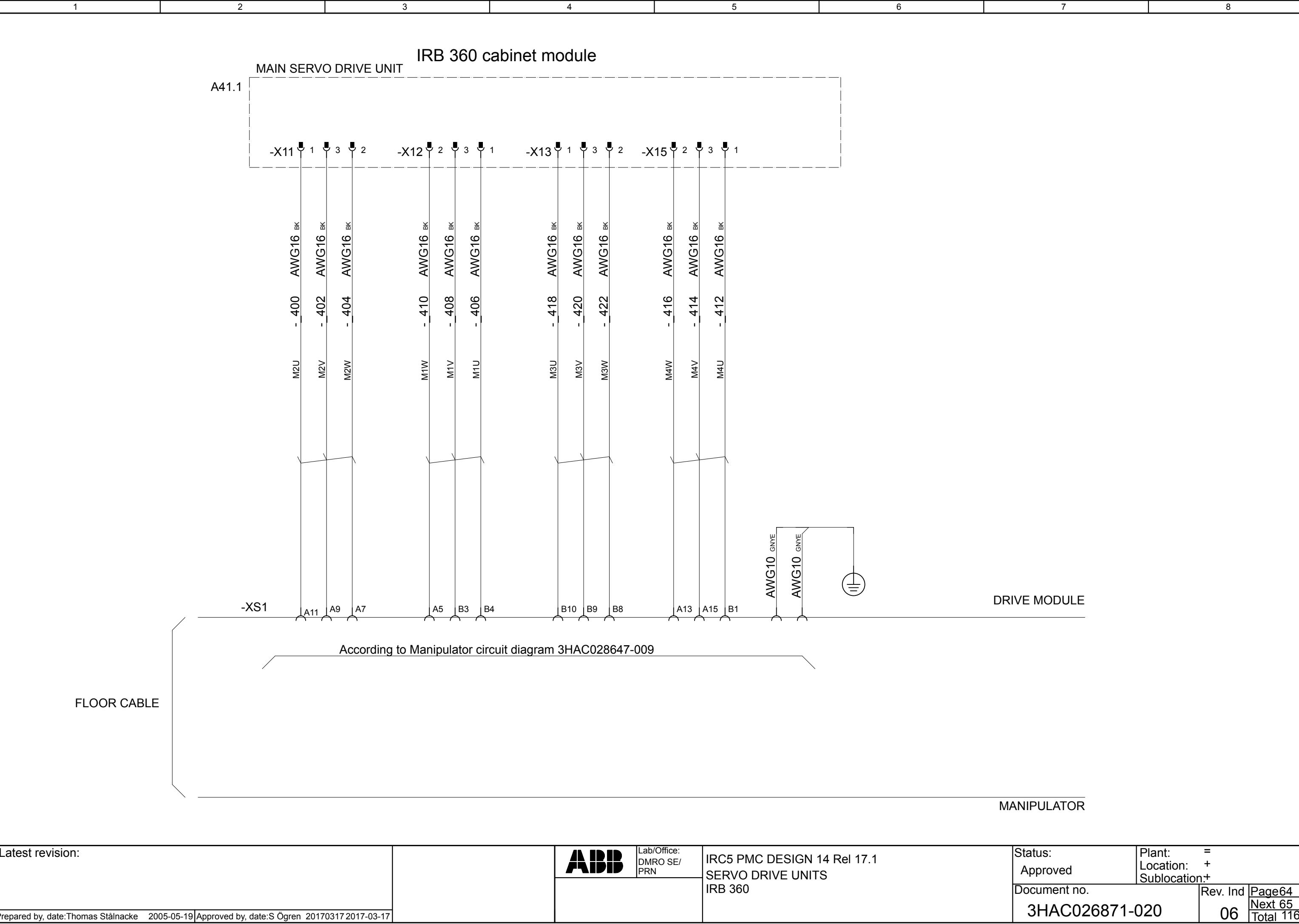
A1
B1
C1
D1
A2
B2
C2
D2
A3
B3
C3
D3

CPA
CPB
CPC
CPD
CPE
CPF
CPJ
CPK
CPL

CSA
CSB
CSC
CSD
CSE
CSF
CSG
CSH
CSJ
CSK
CSL
CSM

CSN
CSP
CSR
CSS
CST
CSU
CSV
CSW
CSX
CSY
CSZ

Latest revision:		Lab/Office: DMRO SE/ PRN	IRC5 PMC DESIGN 14 Rel 17.1 CUSTOMER POWER/SIGNAL IRB 260	Status: Approved	Plant: = Location: + Sublocation: +
Prepared by, date:Thomas Stålnacke 2005-05-19	Approved by, date:S Ögren 20170317 2017-03-17		Document no. 3HAC026871-020	Rev. Ind Page 63	Next 64



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE UNITS
IRB 360

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

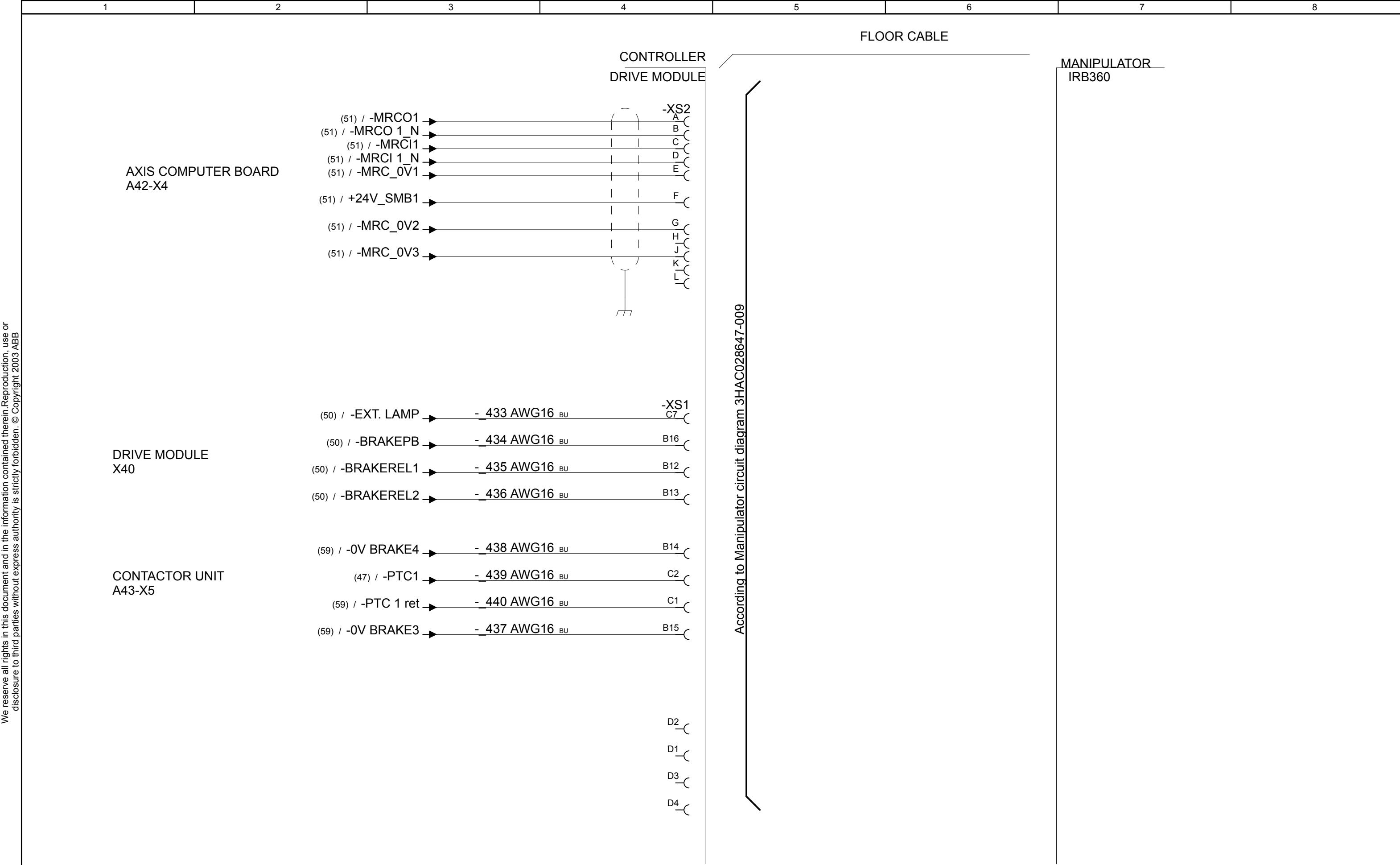
Rev. Ind

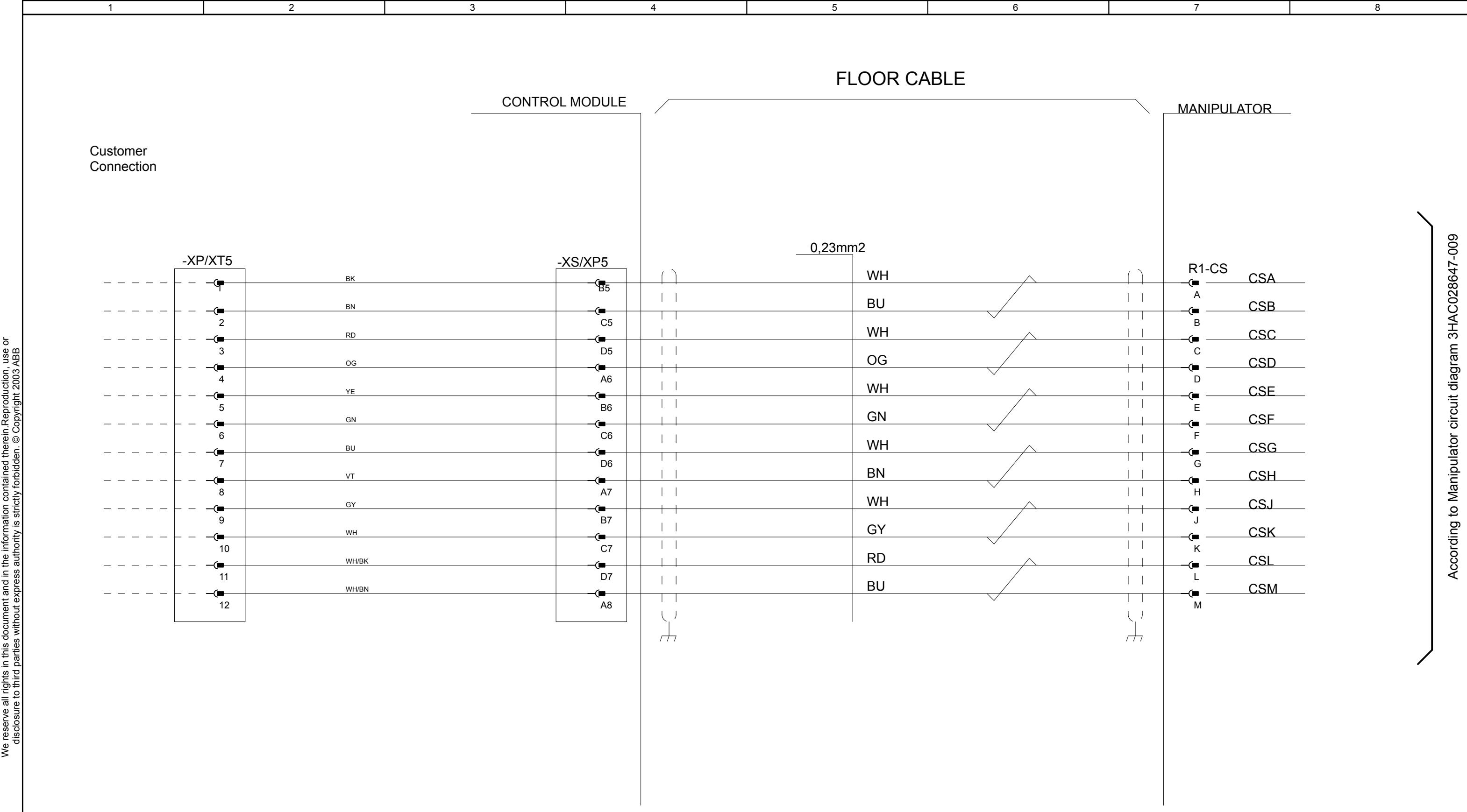
Page 64

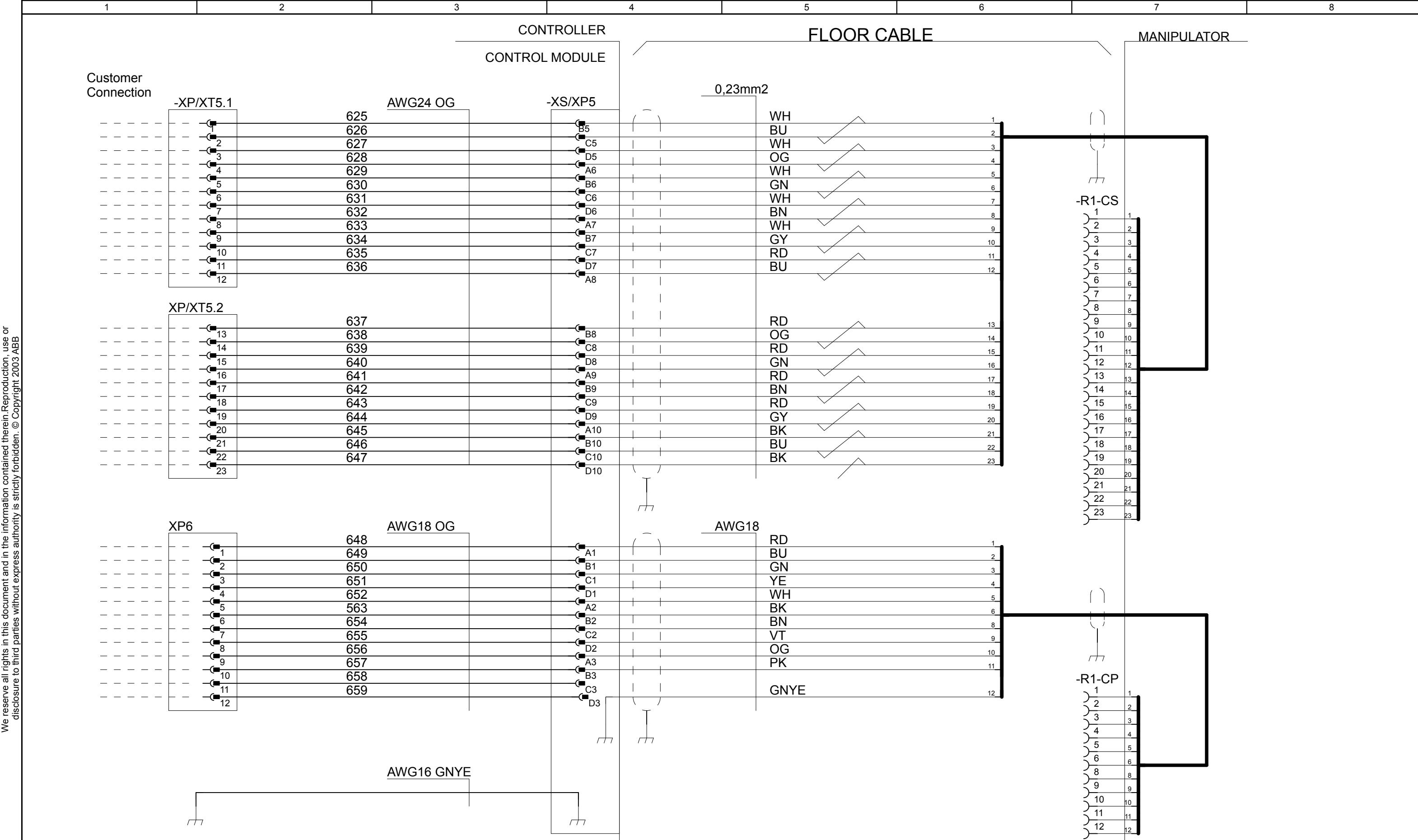
3HAC026871-020

Next 65

Total 116



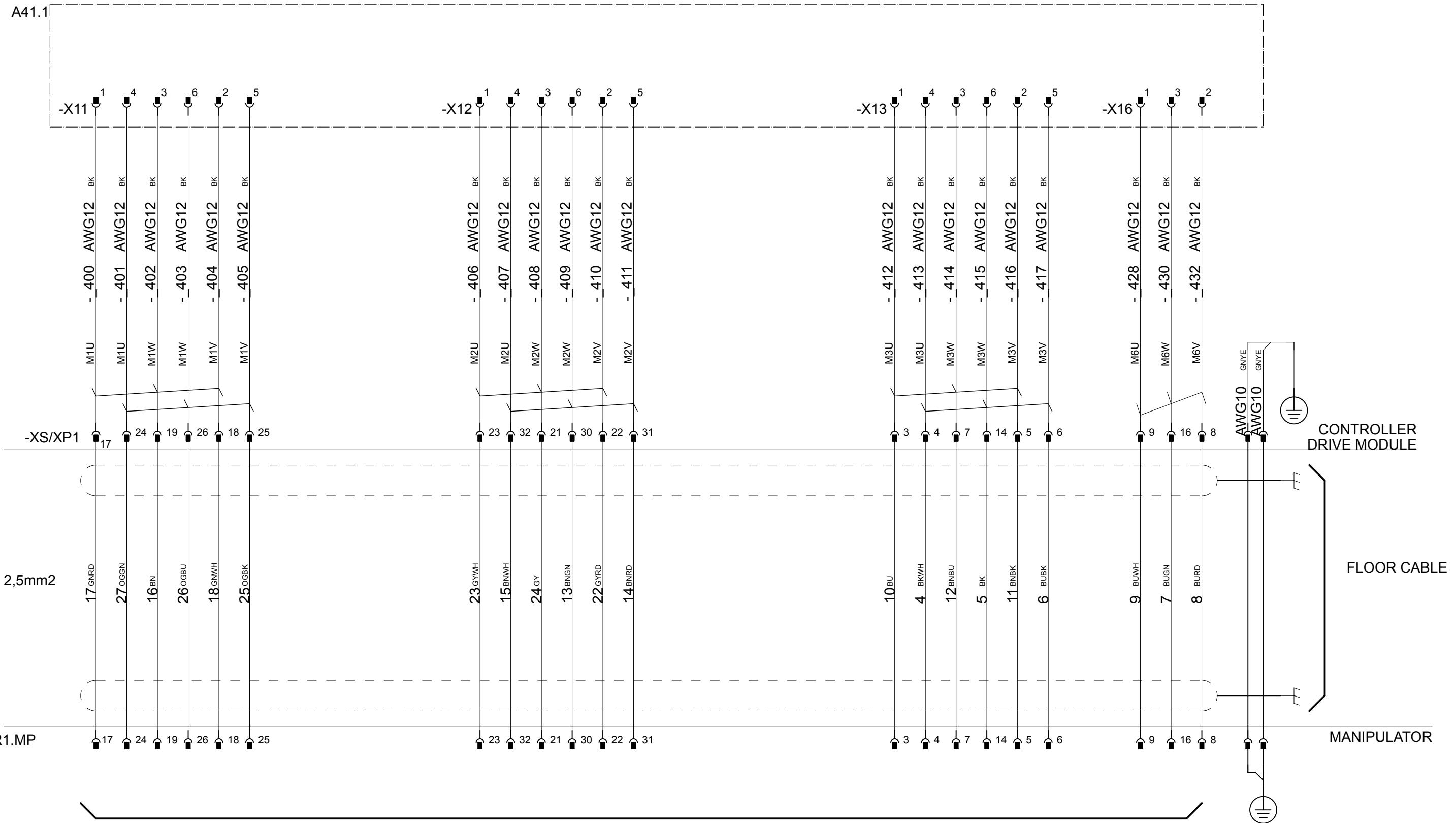




IRB 460 cabinet module

Main servo drive unit 460

A41



According to Manipulator circuit diagram 3HAC036446-005

Latest revision:



Lab/Offic
DMRO S
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE SYSTEM
IRB 460

Status:
Approved

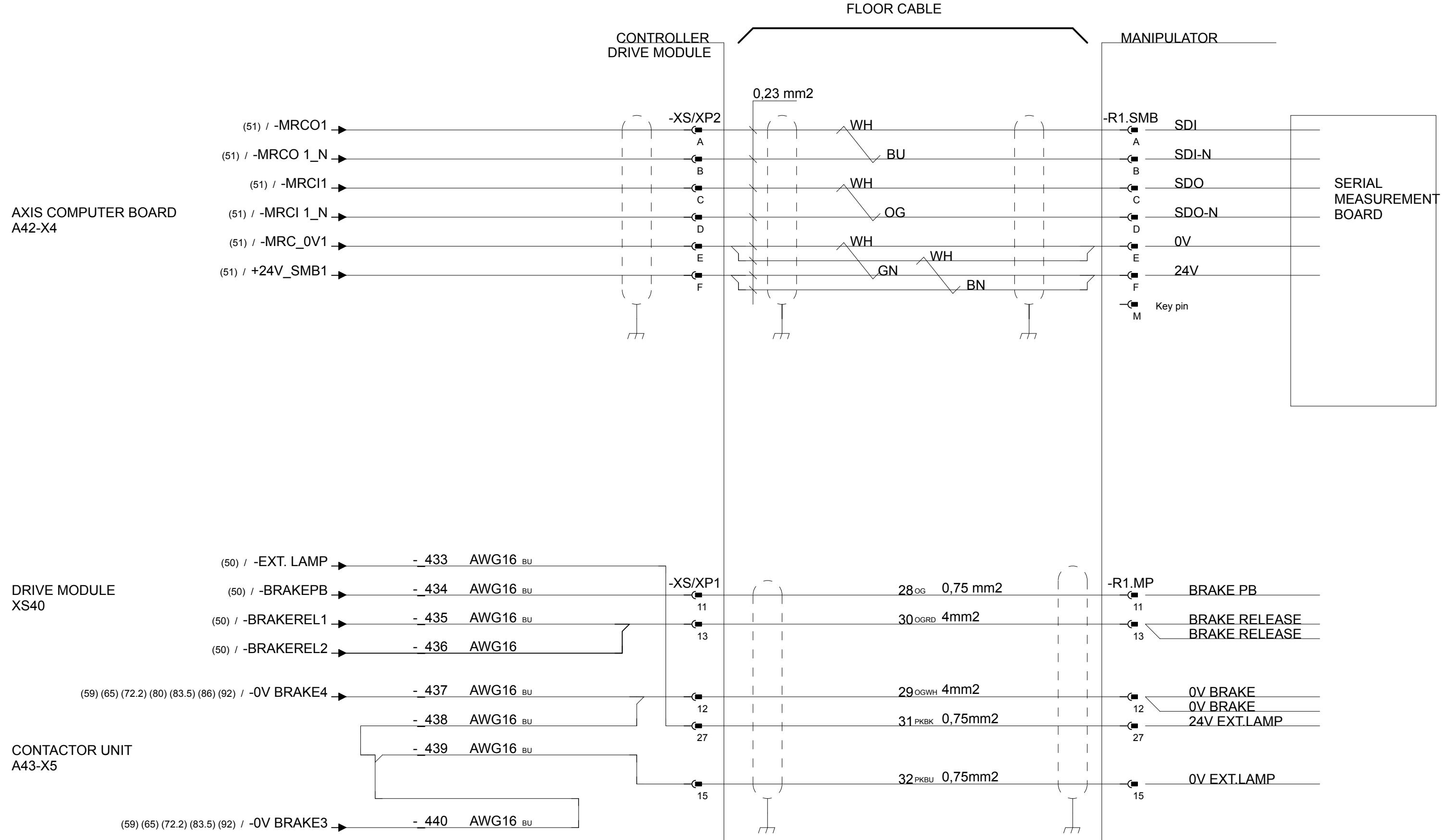
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Location: +
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Document no.

Rev. Ind Page67

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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CONTROL CABLE
IRB 460

Status:
Approved

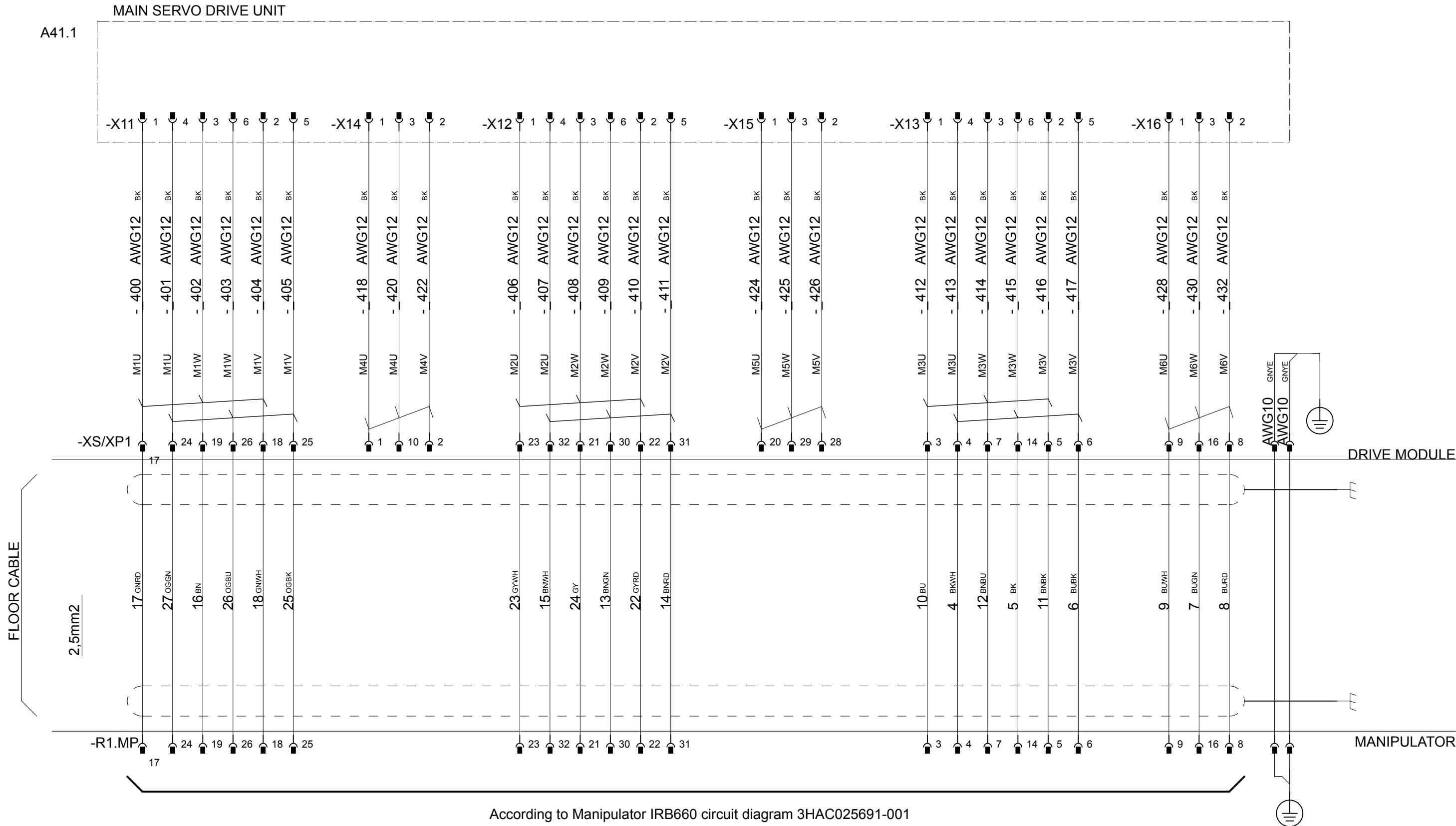
Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind Page 68

3HAC026871-020

06 Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE SYSTEM
IRB 660, 760

Status:
Approved

Plant: =
Location: +
Sublocation: +

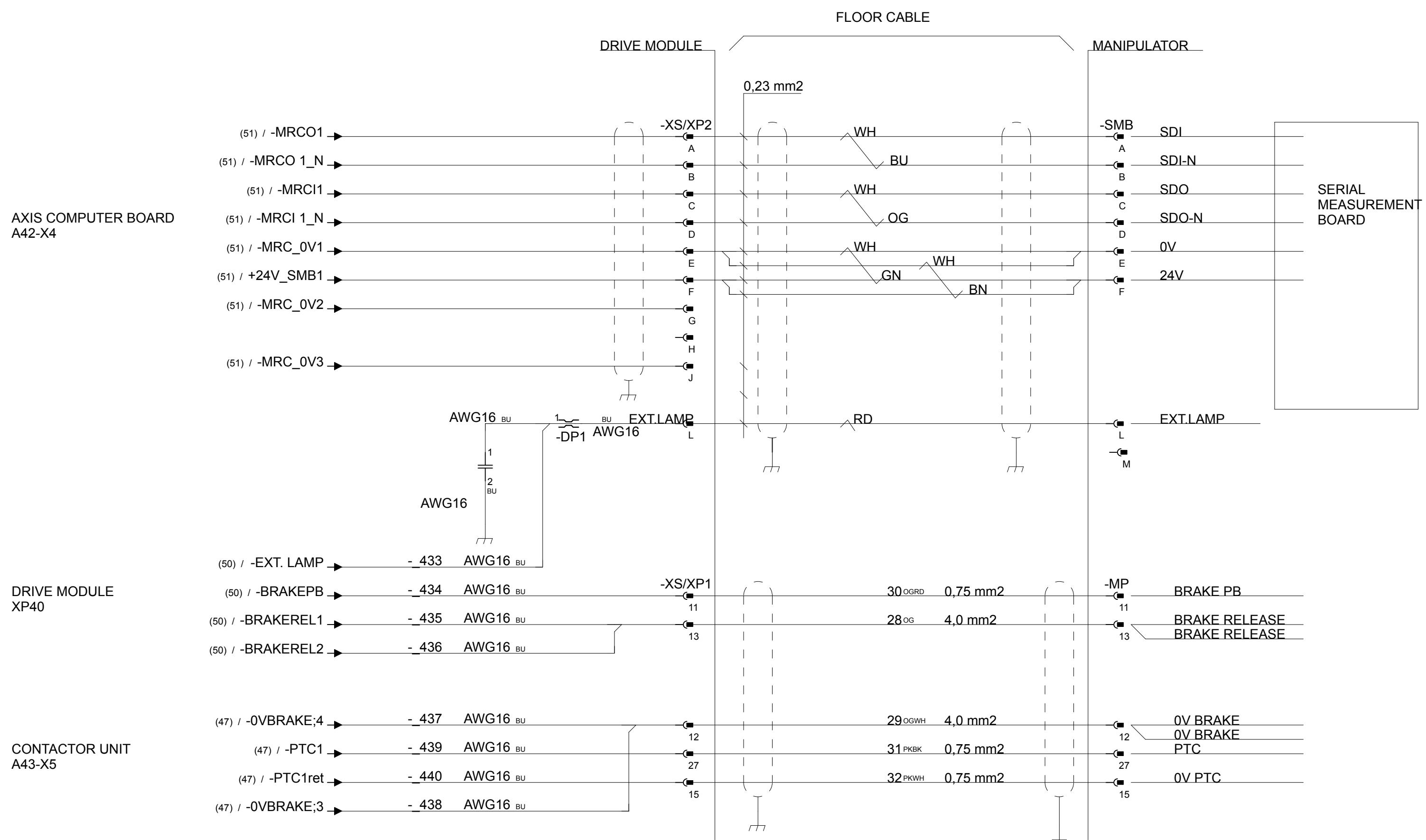
Document no.

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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CONTROL CABLE
IRB 660, 760

Status:
Approved

Plant: =
Location: +
Sublocation: +

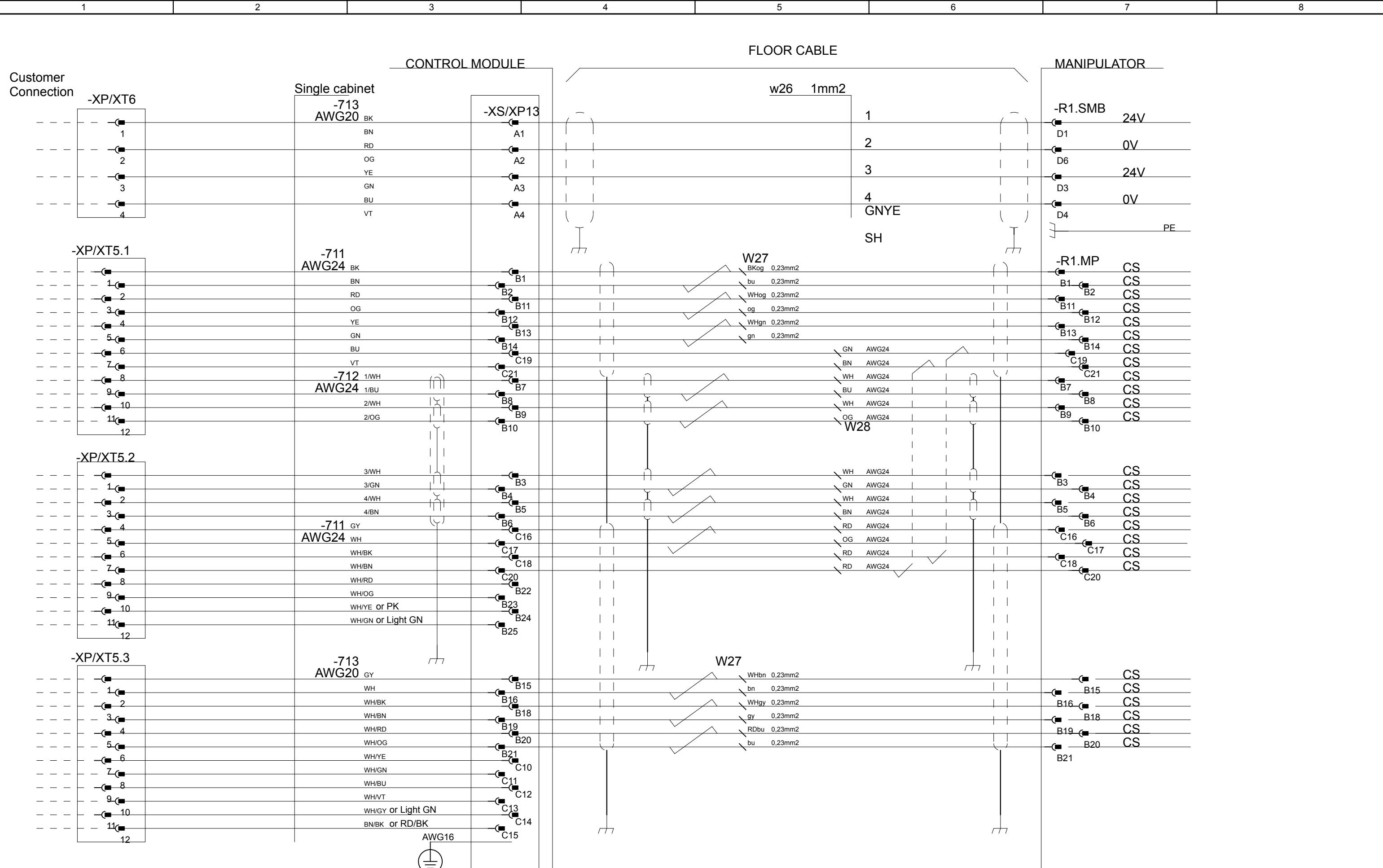
Document no.

Rev. Ind Page 70

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06

Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CUSTOMER POWER/SIGNAL
IRB460, 660, 760

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

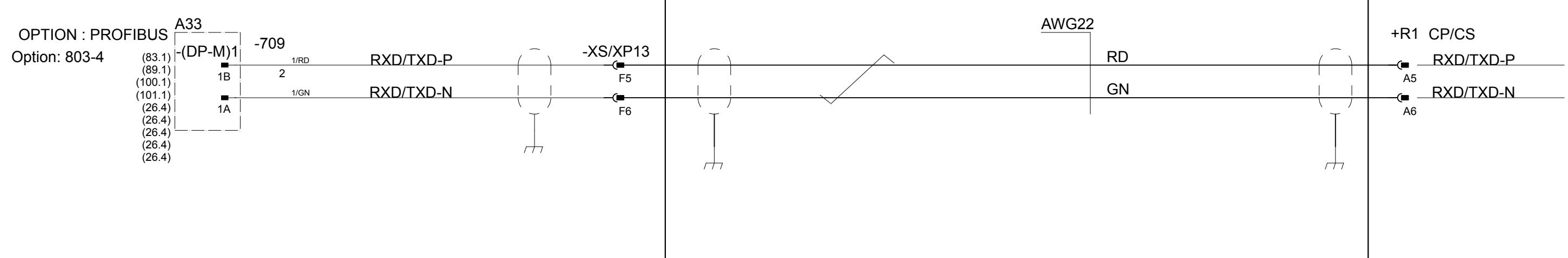
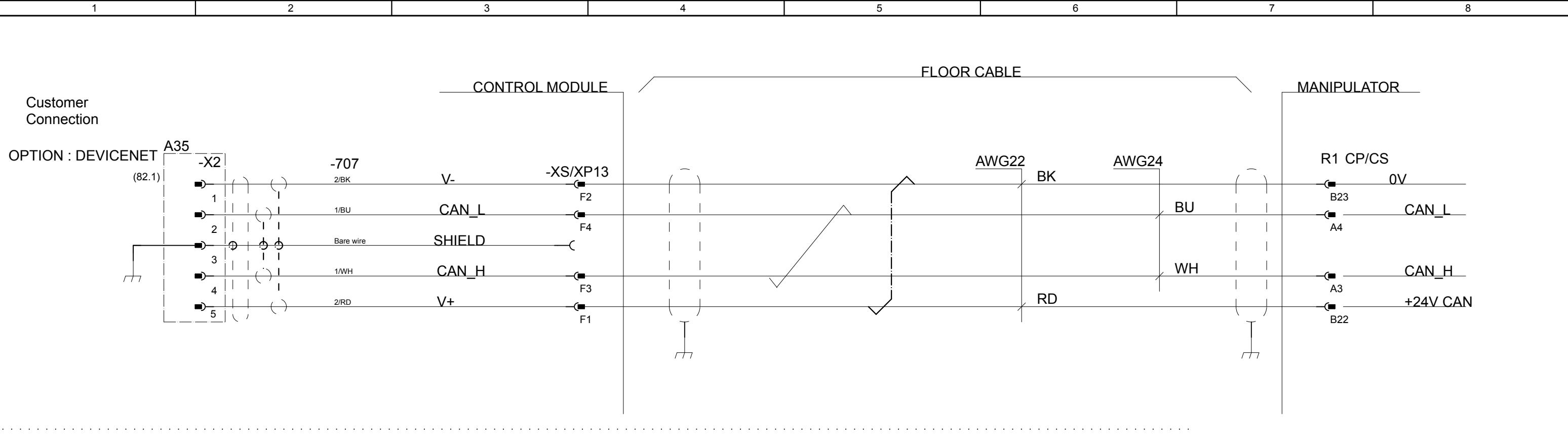
Rev. Ind

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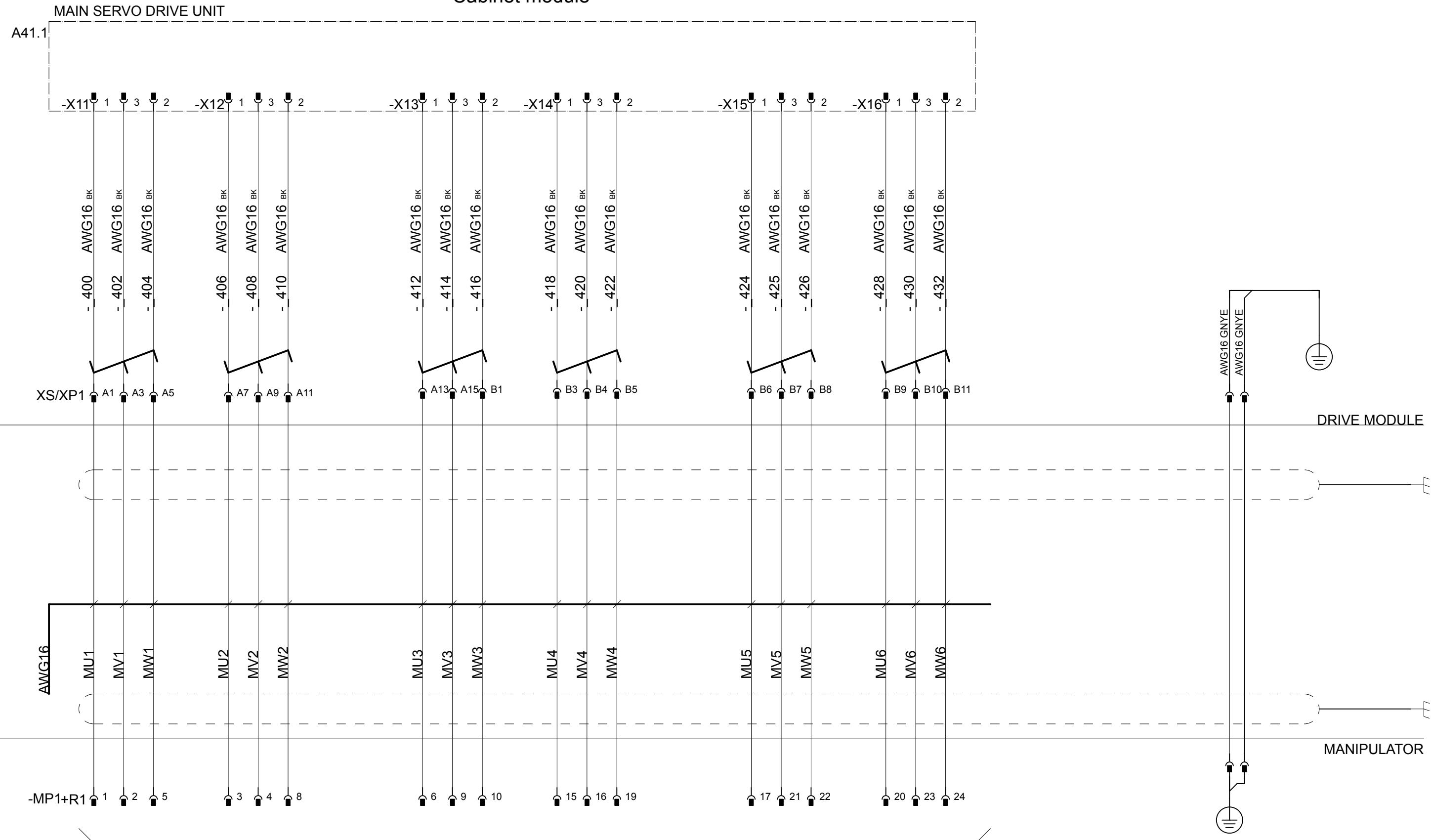
3HAC026871-020

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Total 116



Cabinet module



According to Manipulator circuit diagram 3HAC046307-003

Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE SYSTEM
IRB 1200

Status:
Approved

Plant: =
Location: +
Sublocation: +

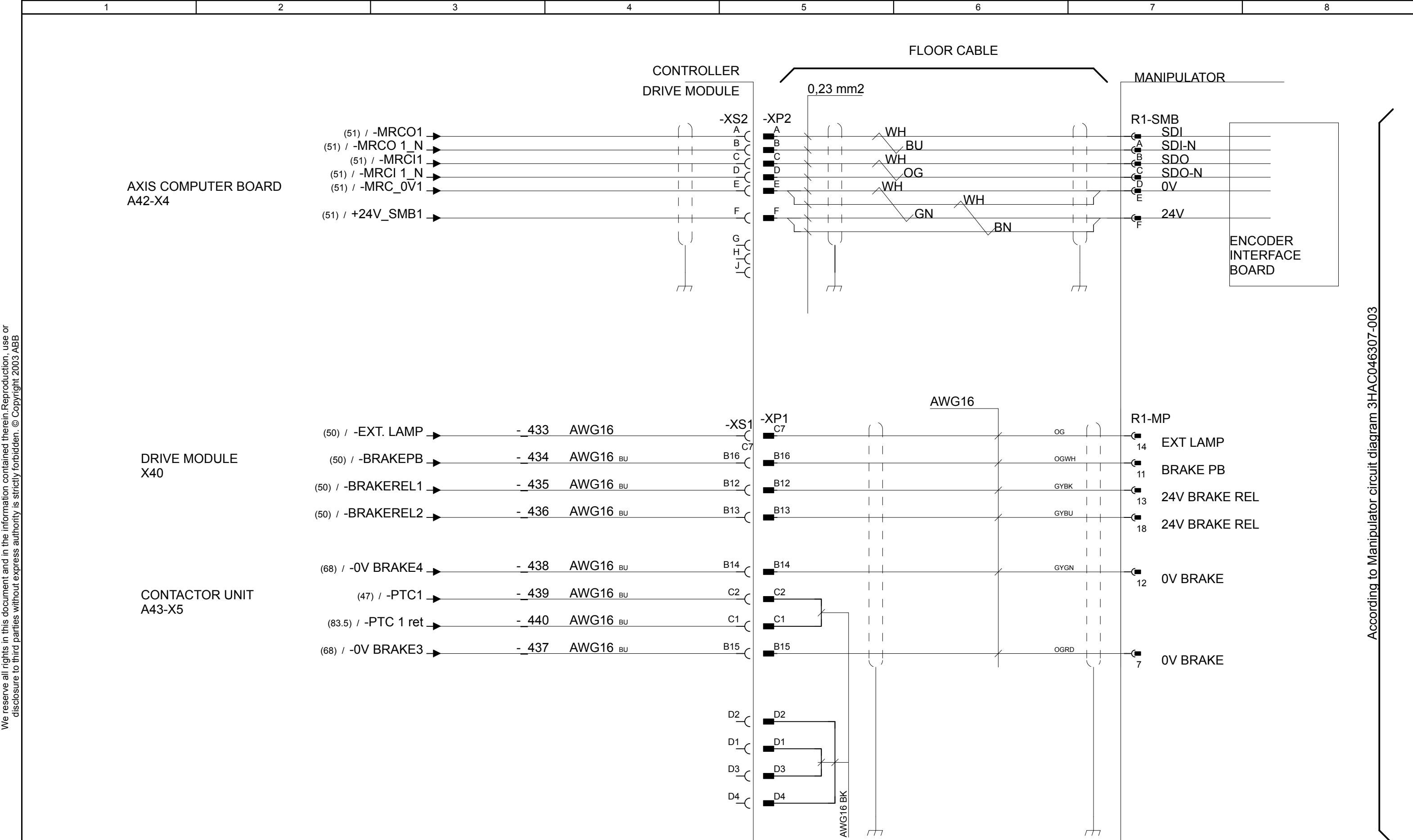
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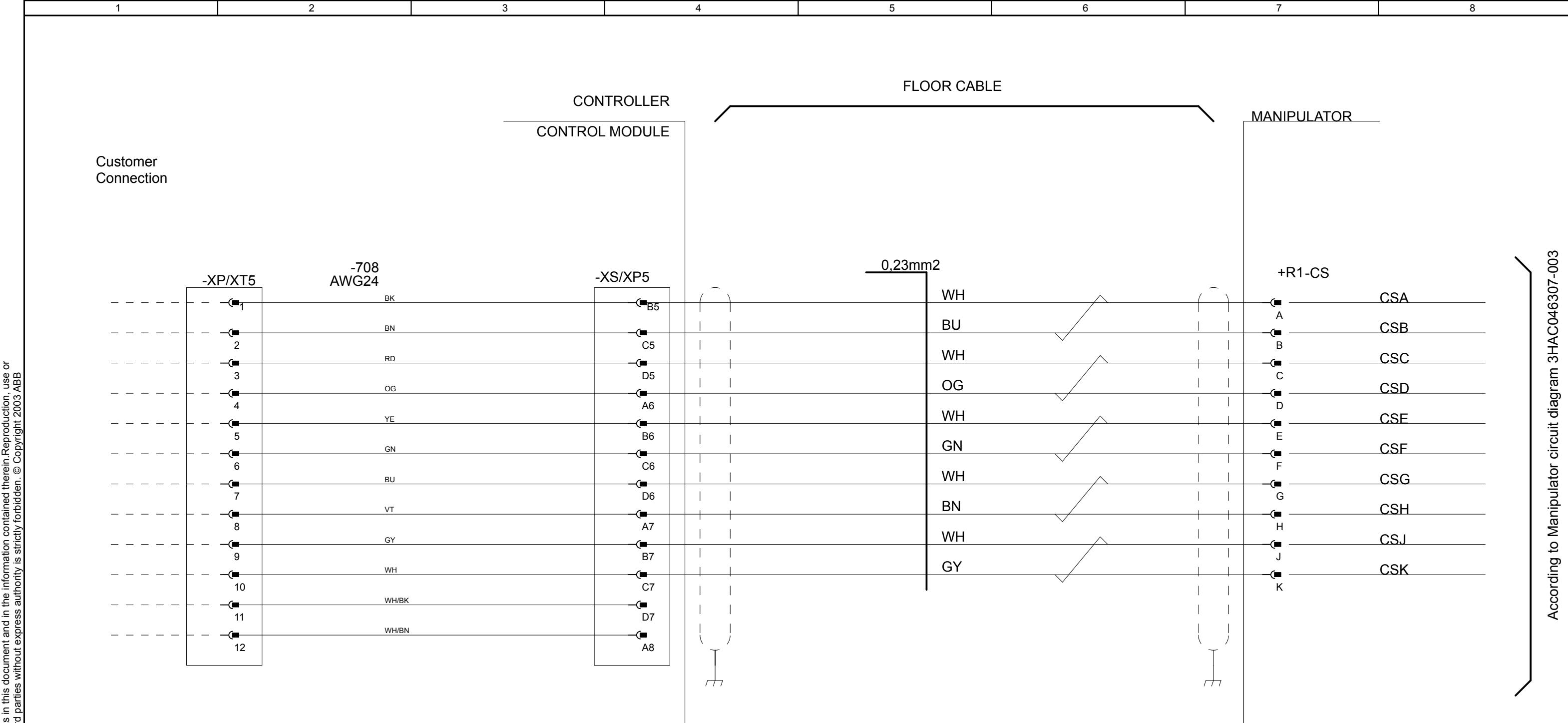
Rev. Ind Page 72.1

3HAC026871-020

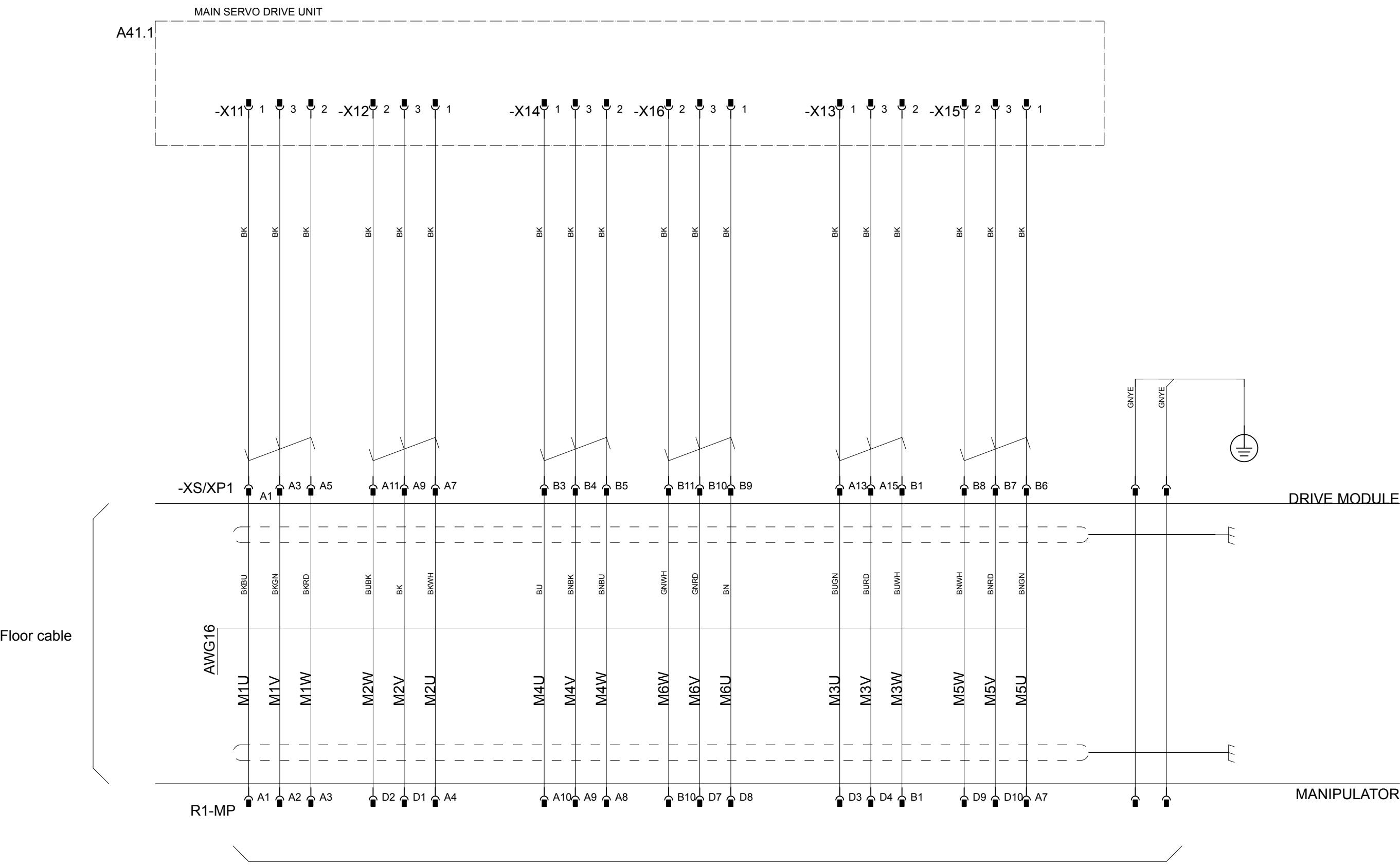
Next 72.2

Total 116





According to Manipulator circuit diagram 3HAC046307-003



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE UNIT
IRB 1600/1660

Status:
Approved

Plant: =
Location: +
Sublocation: +

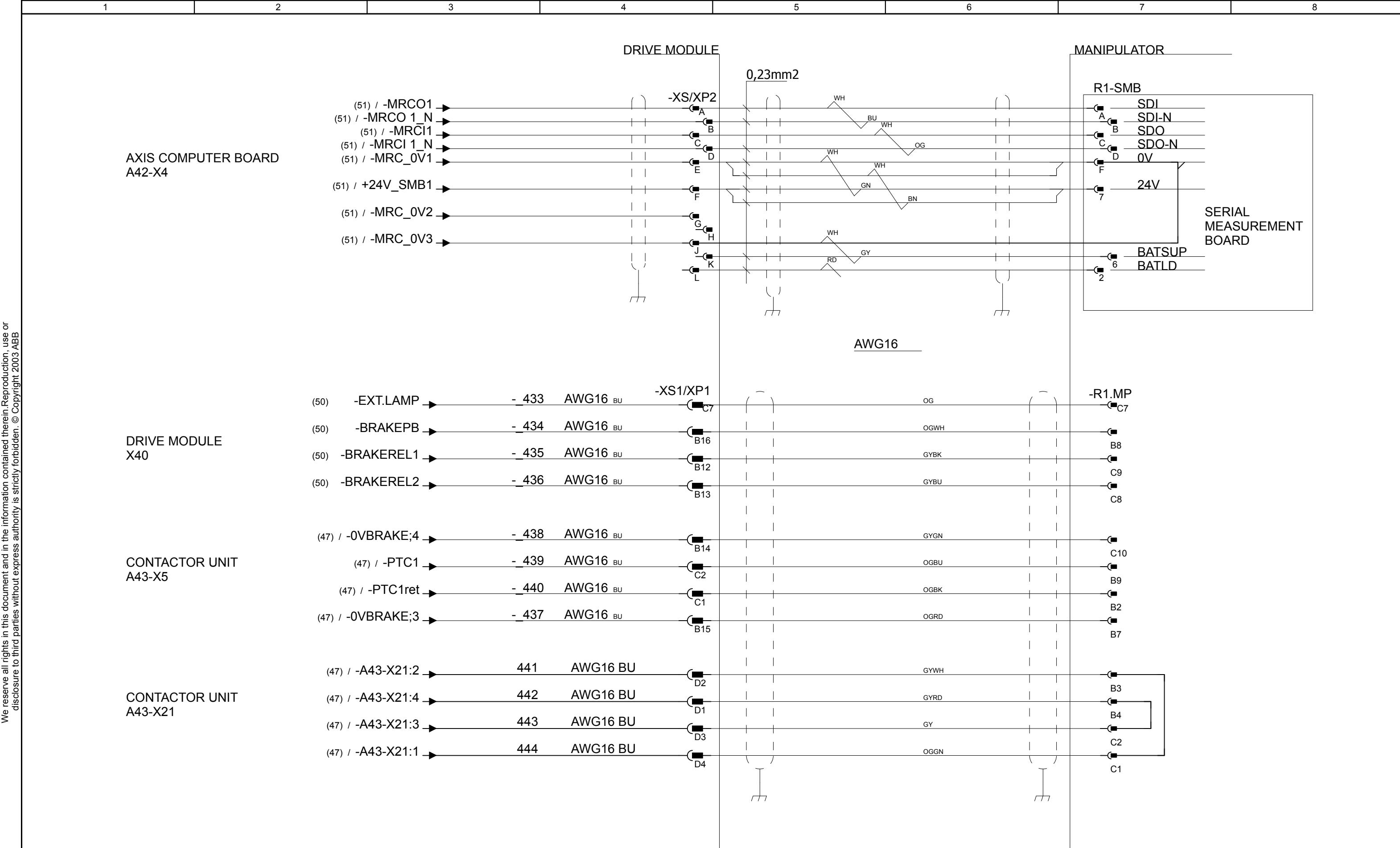
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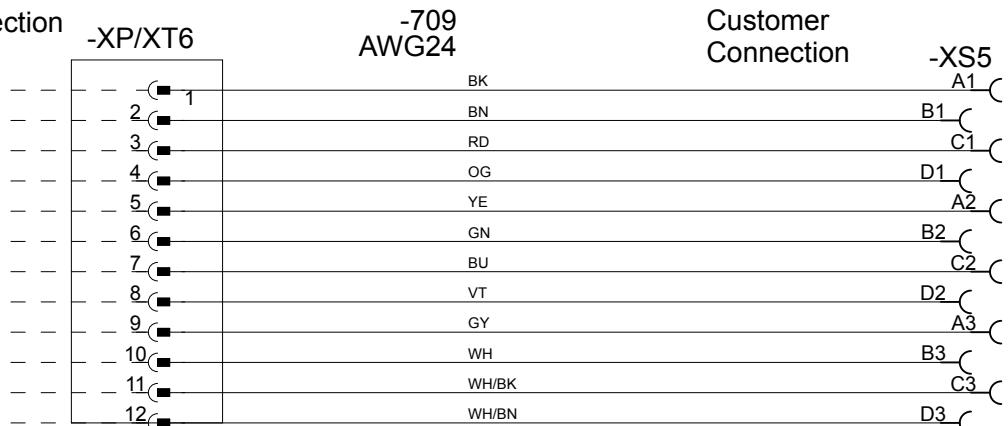
Next 74

Total 116

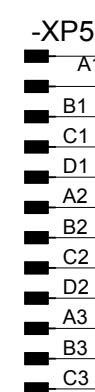
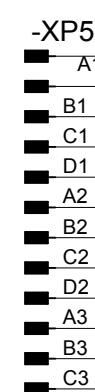


CONTROL MODULE

Customer Connection



Customer Connection



AWG18

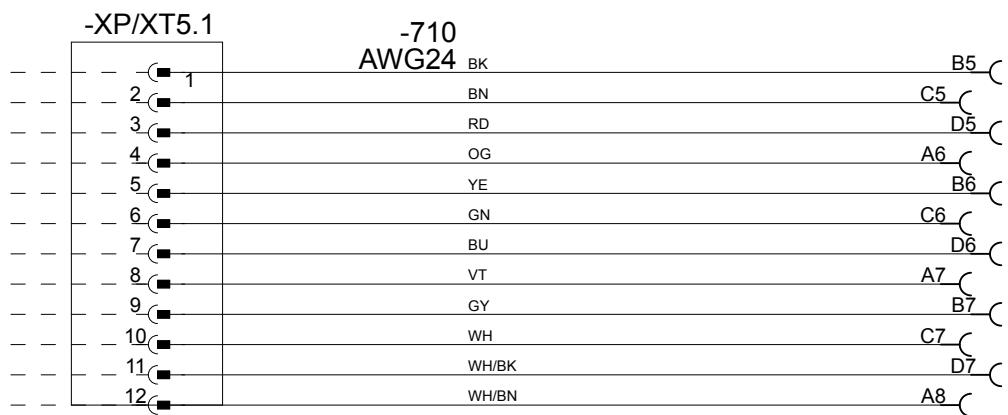
BU RD GN YE WH BK BN VT OG PK TQ GY

MANIPULATOR

-R1.CP/CS

CPA CPB CPC CPD CPE CPF CPJ CPK CPL

-XP/XT5.1



B5 C5 D5 A6 B6 C6 D6 C7 D7 A8

AWG24

1/BU 2/WH 2/OG 3/WH 3/GN 4/WH 4/BN 5/WH 5/GY 6/RD 6/BU

CSA CSB CSC CSD CSE CSF CSG CSH CSJ CSK CSL CSM

-XP/XT5.2



B8 C8 D8 A9 B9 C9 D9 A10 B10 C10 D10

7/RD 7/OG 8/RD 8/GN 9/RD 9/BN 10/RD 10/GY 11/BK 11/BU 12/BK

CSN CSP CSR CSS CST CSU CSV CSW CSX CSY CSZ

Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CUSTOMER POWER/SIGNAL
IRB 1600/1660

Status:
Approved

Plant: =
Location: +
Sublocation: +

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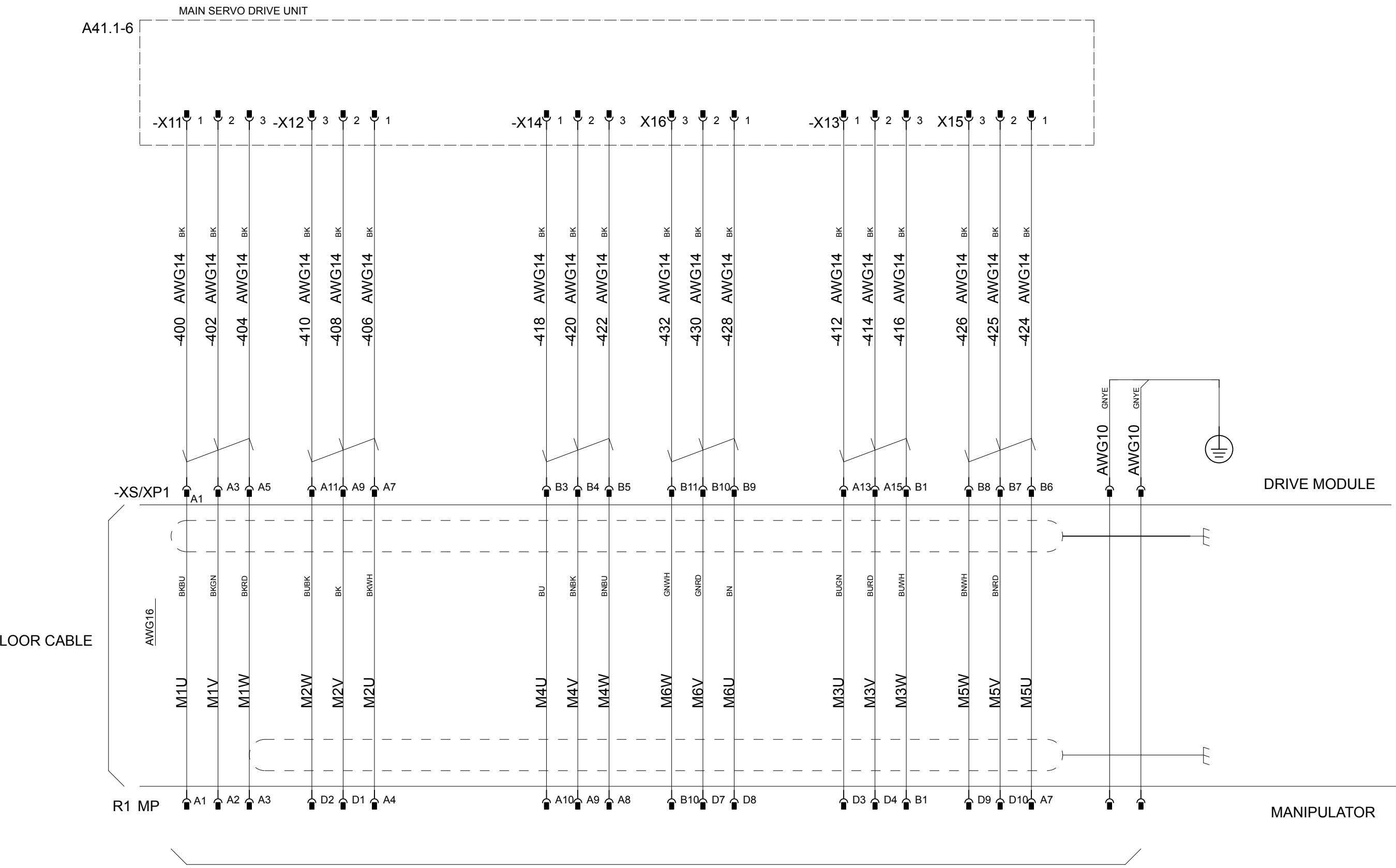
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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE UNIT
IRB 2400

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

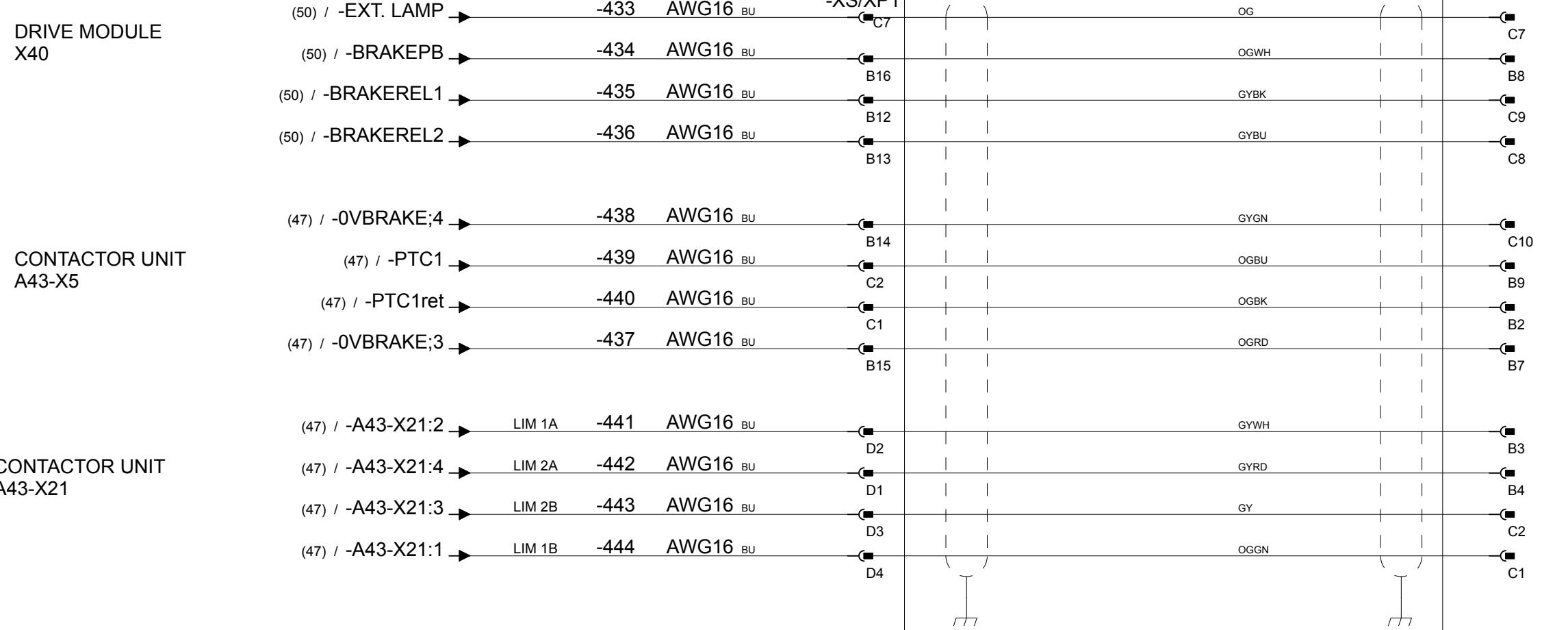
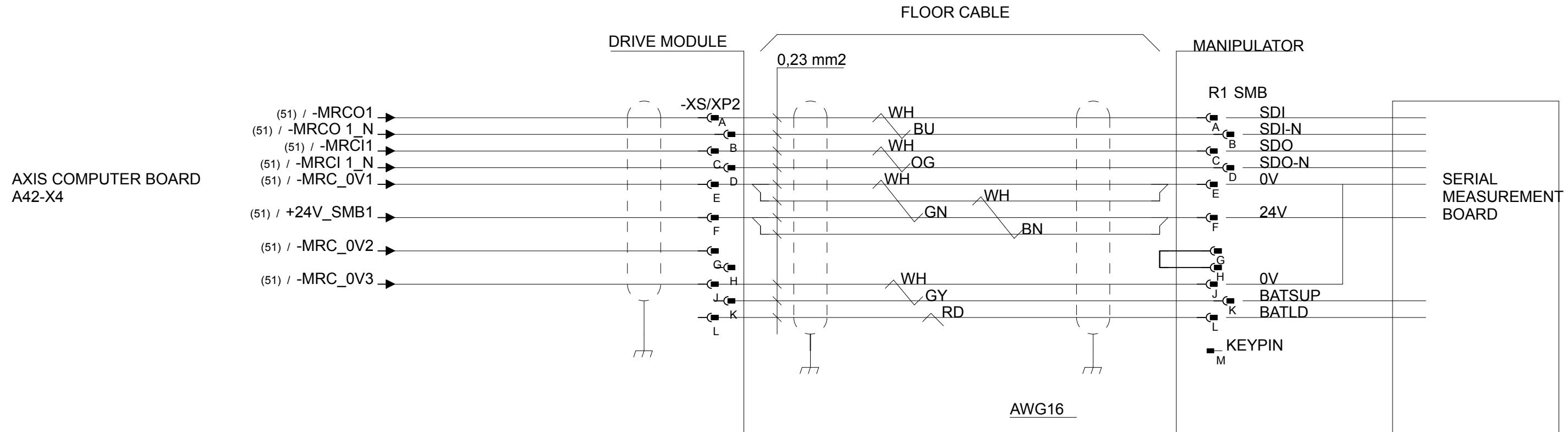
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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CONTROL CABLE
IRB 2400

Status:
Approved

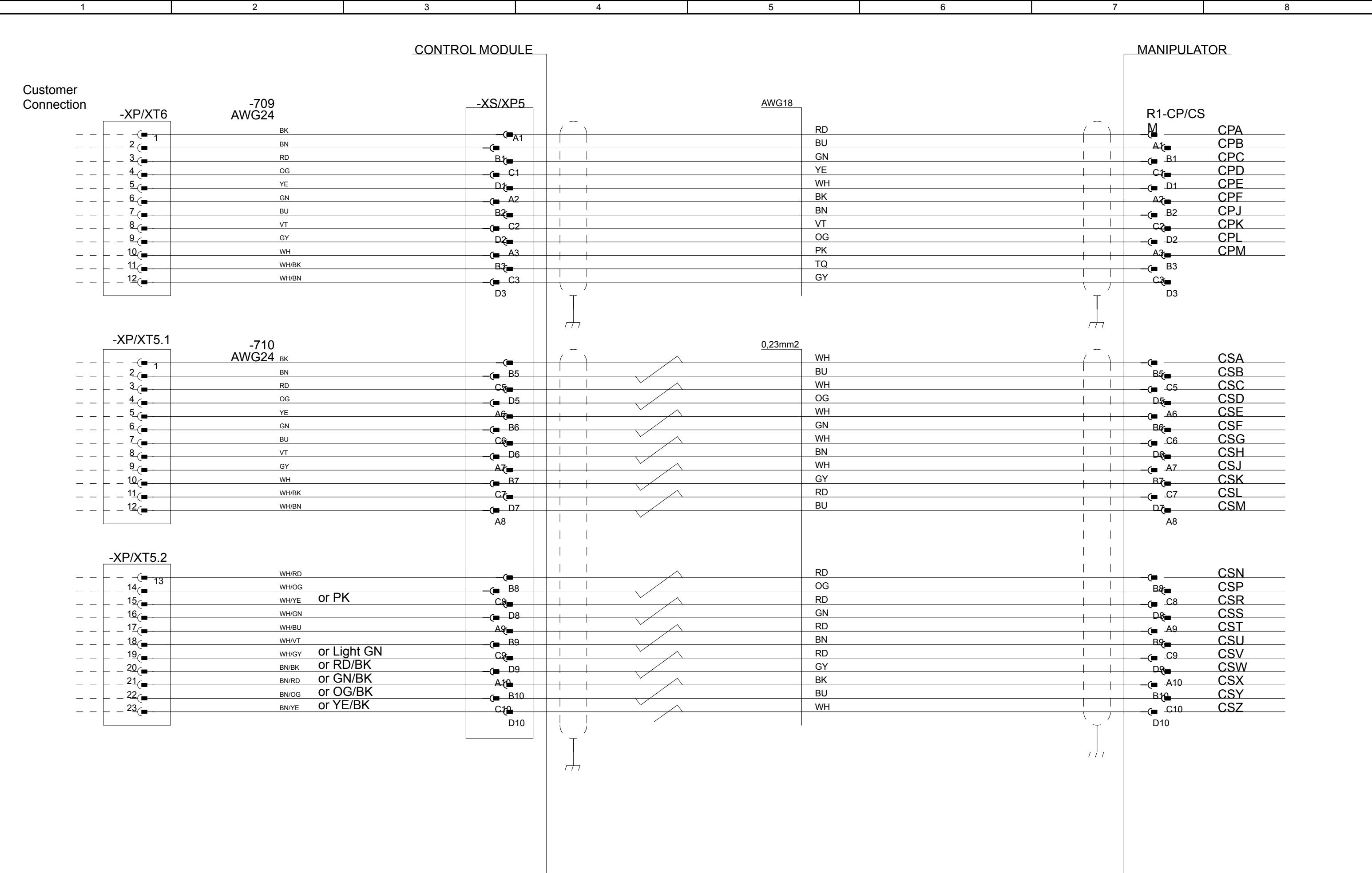
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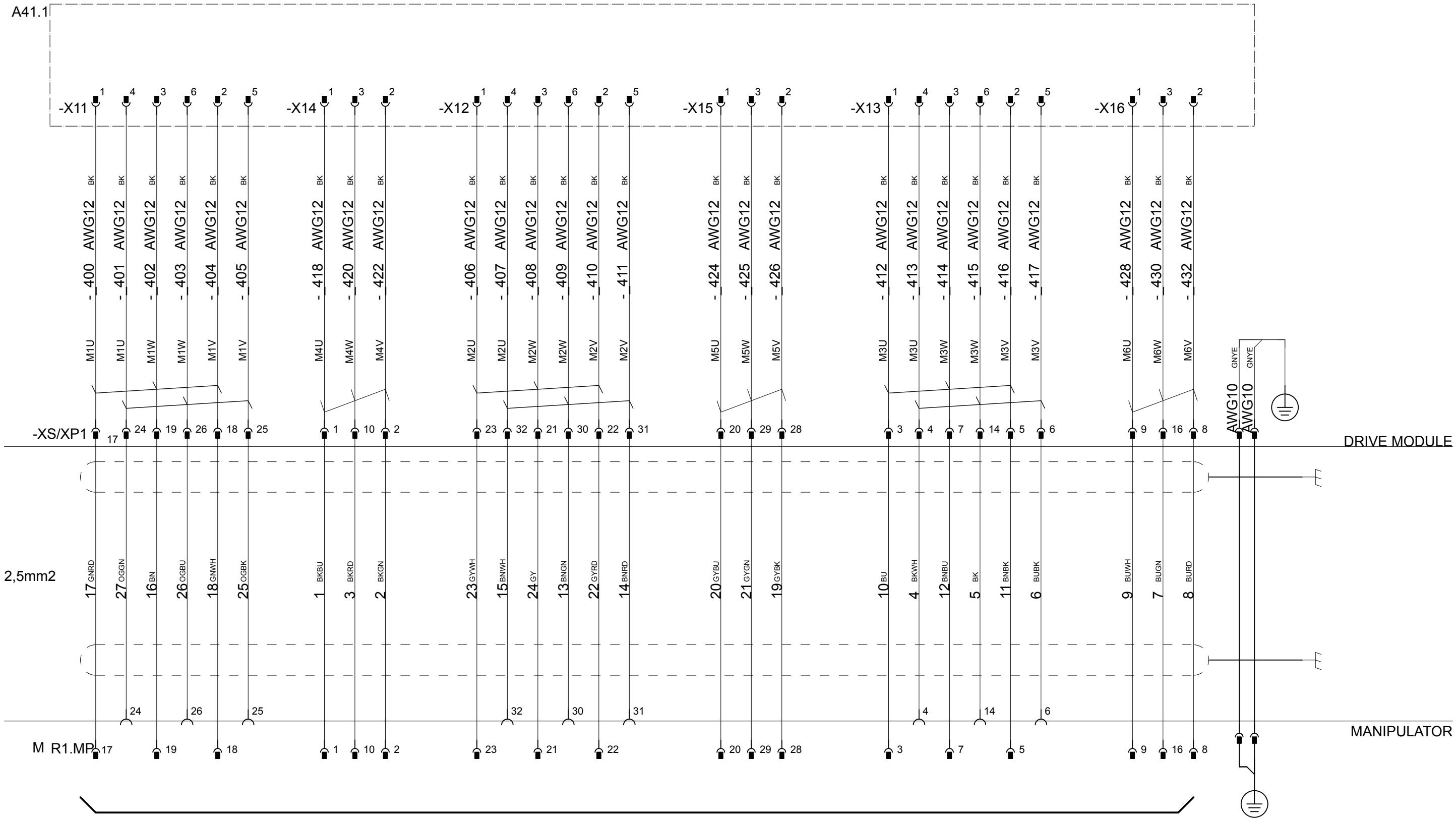
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Total 116

3HAC026871-020

06



Main servo drive unit



According to Manipulator circuit diagram 3HAC029570-007

Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE SYSTEM
IRB 2600

Status:
Approved

Plant: =
Location: +
Sublocation: +

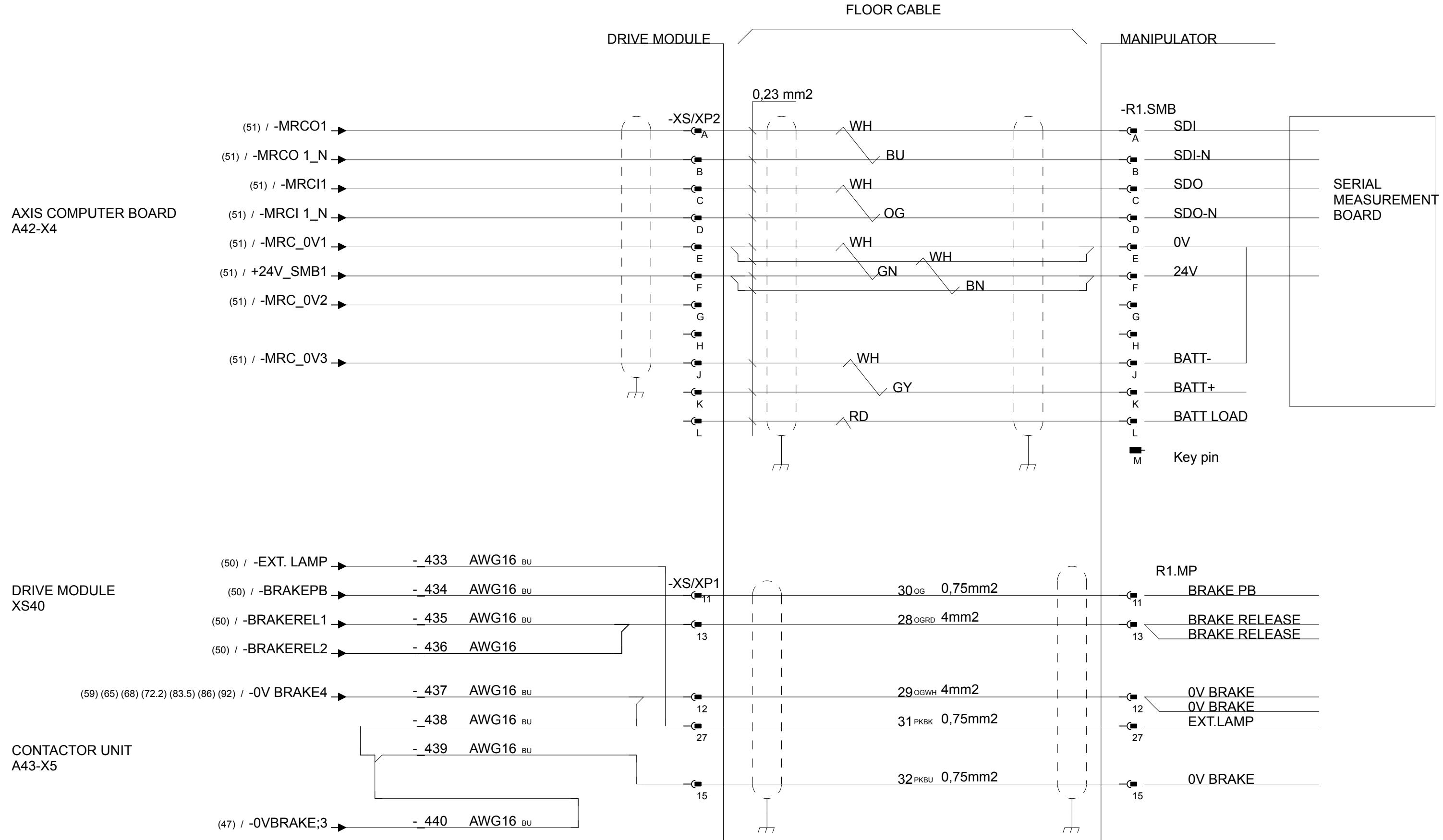
Document no.

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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

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IRB 2600

Status:
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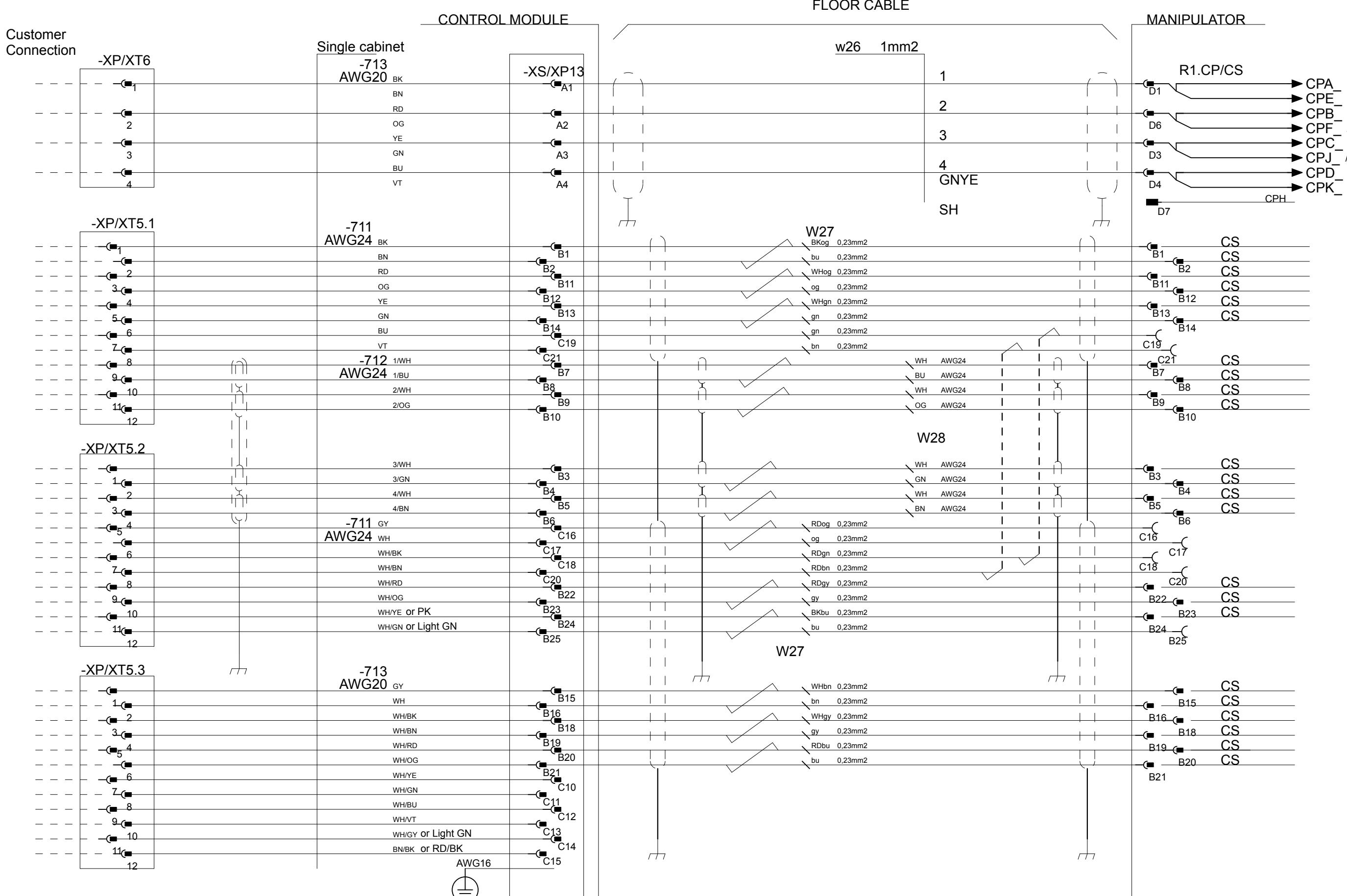
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06

Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CUSTOMER POWER/SIGNAL
IRB2600

Status:
Approved

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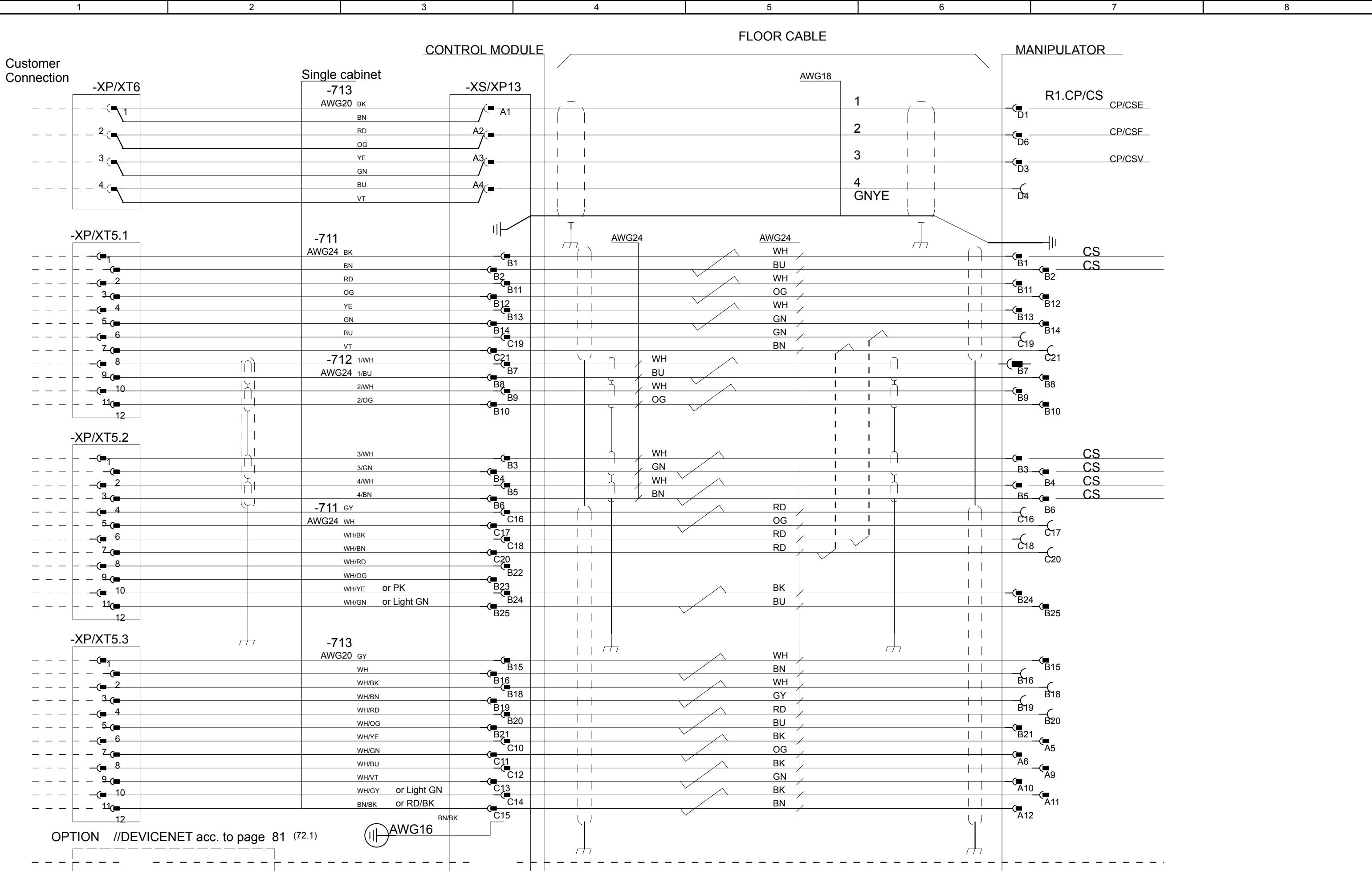
Rev. Ind

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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CUSTOMER POWER/SIGNAL
DEVICE NET
IRB2600

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

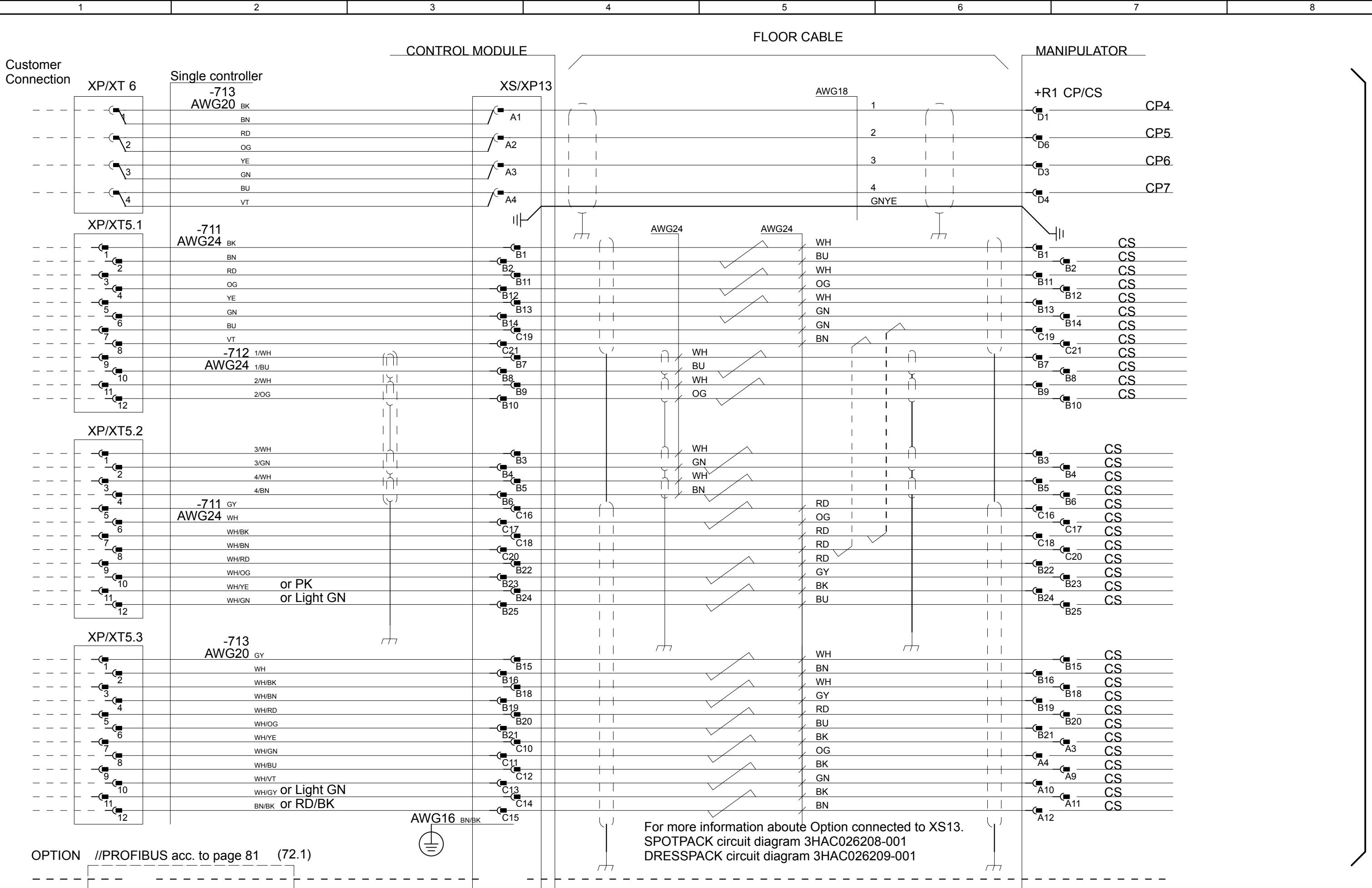
Rev. Ind

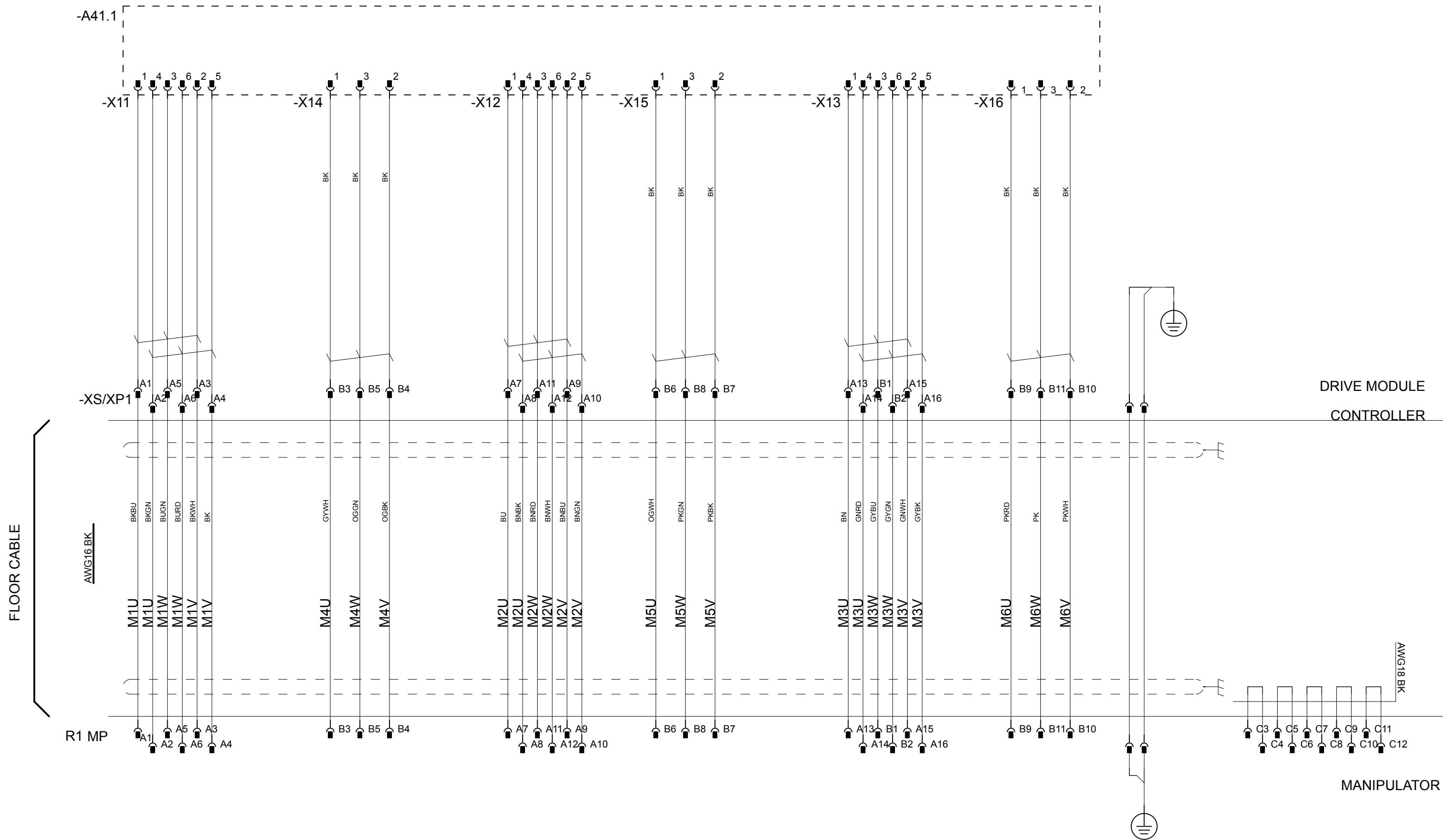
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Total 116





Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE SYSTEM
IRB 4400

Status:
Approved

Plant: =
Location: +
Sublocation: +

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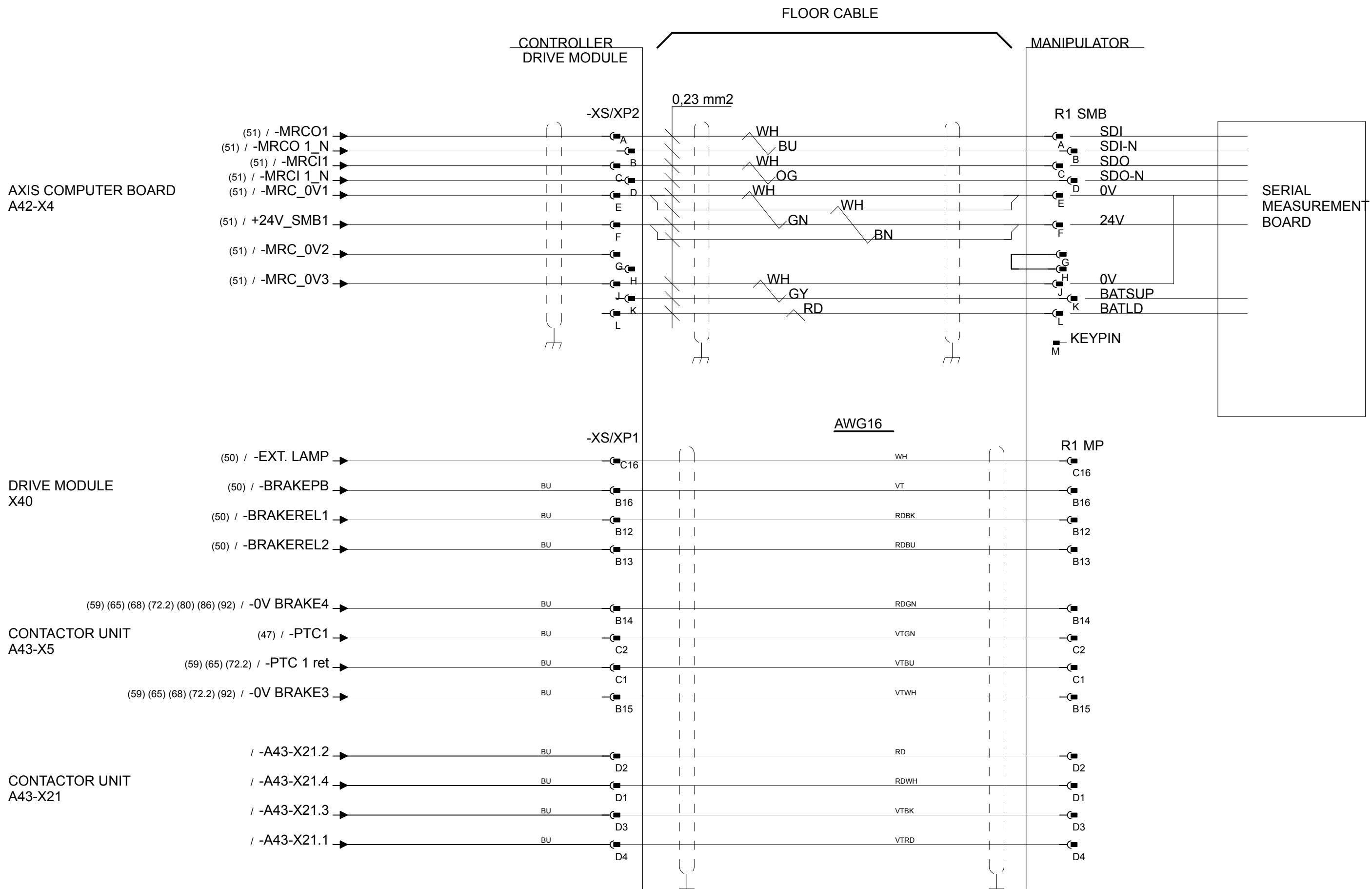
Rev. Ind

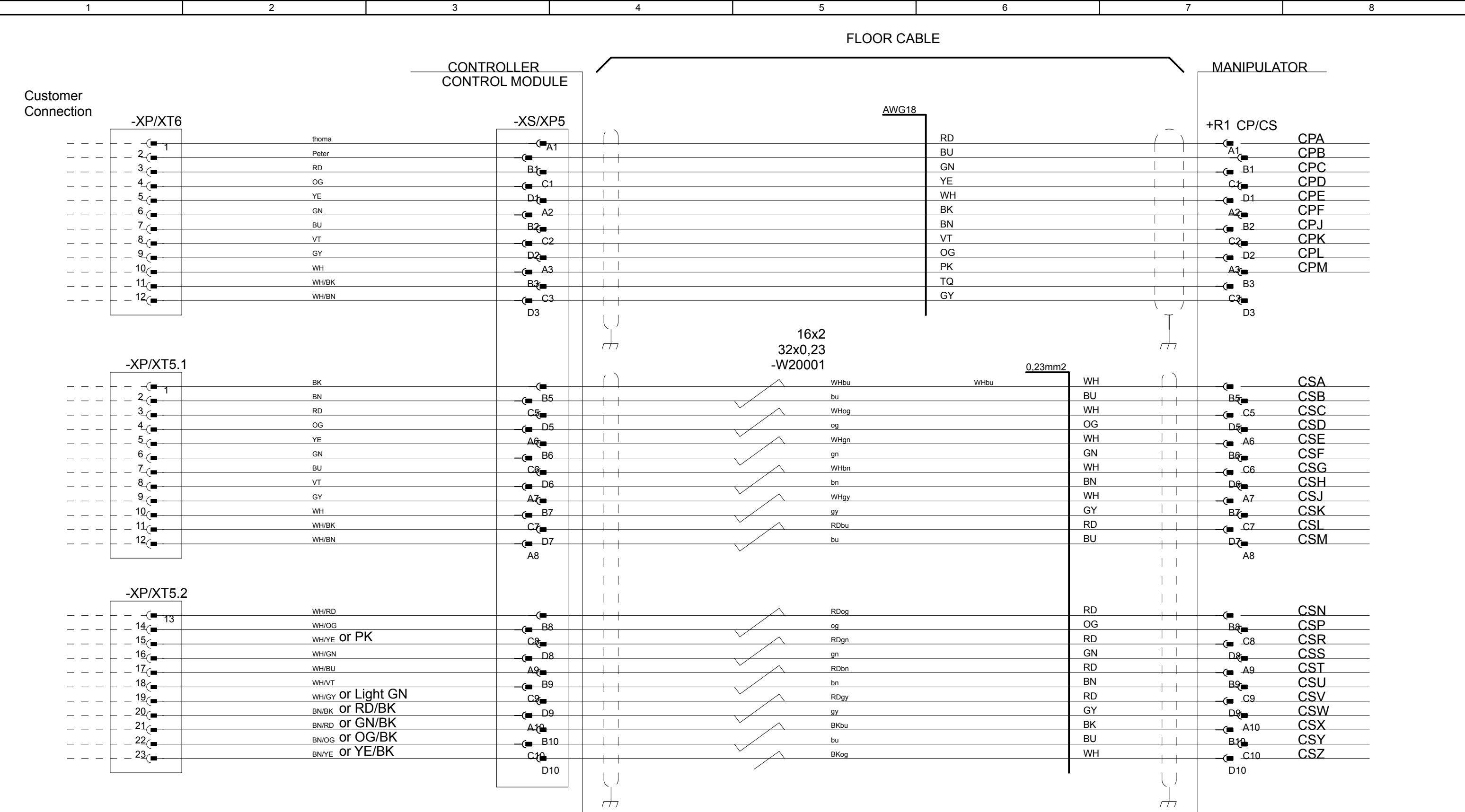
Page 83.4

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Next 83.5

Total 116





Customer Connection

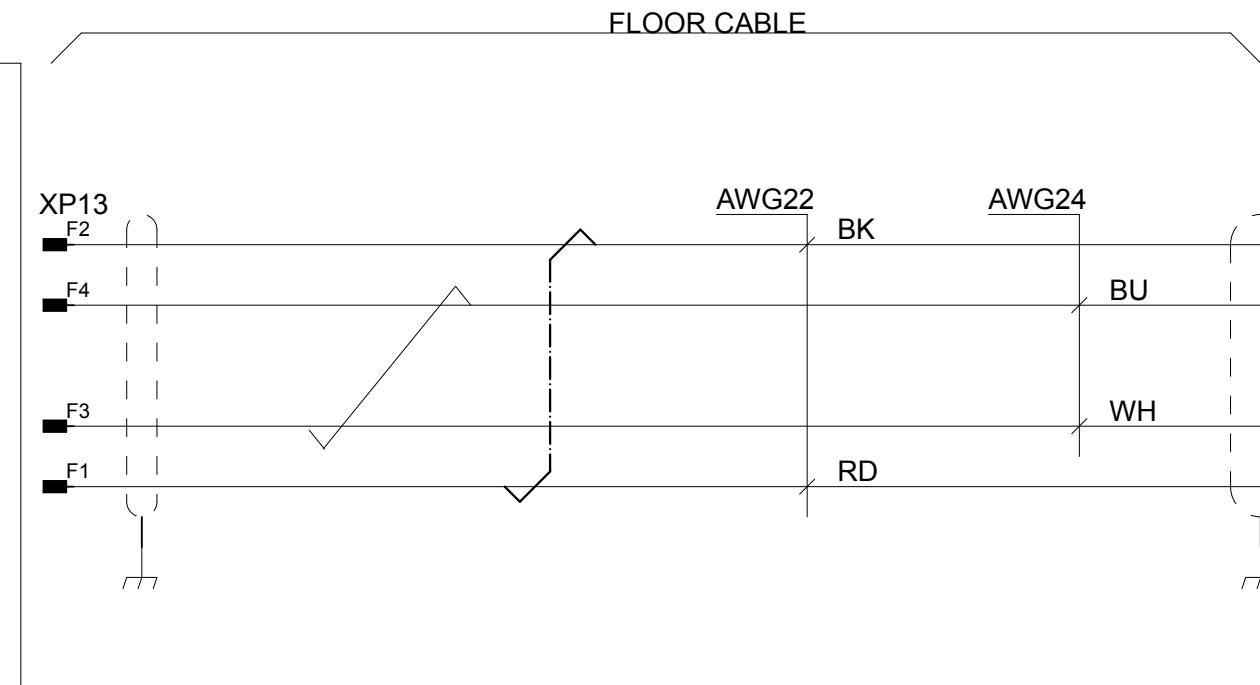
Additional to page 79 and 80

Option: Devicenet connection

(27) / A35 ←

CONTROL MODULE

- V-
- CAN_L
- SHIELD
- CAN_H
- V+



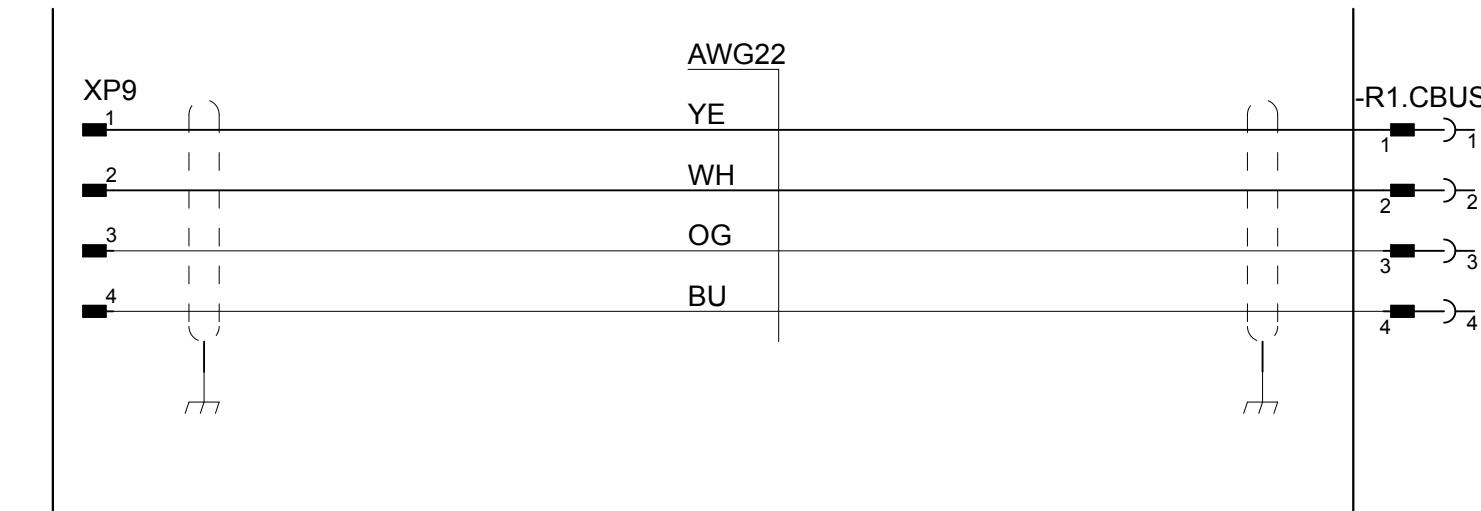
MANIPULATOR

- R1 CP/CS
- 0V
- B23
- CAN_L
- A4
- CAN_H
- A3
- +24V CAN
- B22

Option: ProfiNet / Ethernet IP

(90) / ProfiEthernet ←

- TXD/RXD+
- RXD/TXD+
- TXD/RXD-
- RXD/TXD-

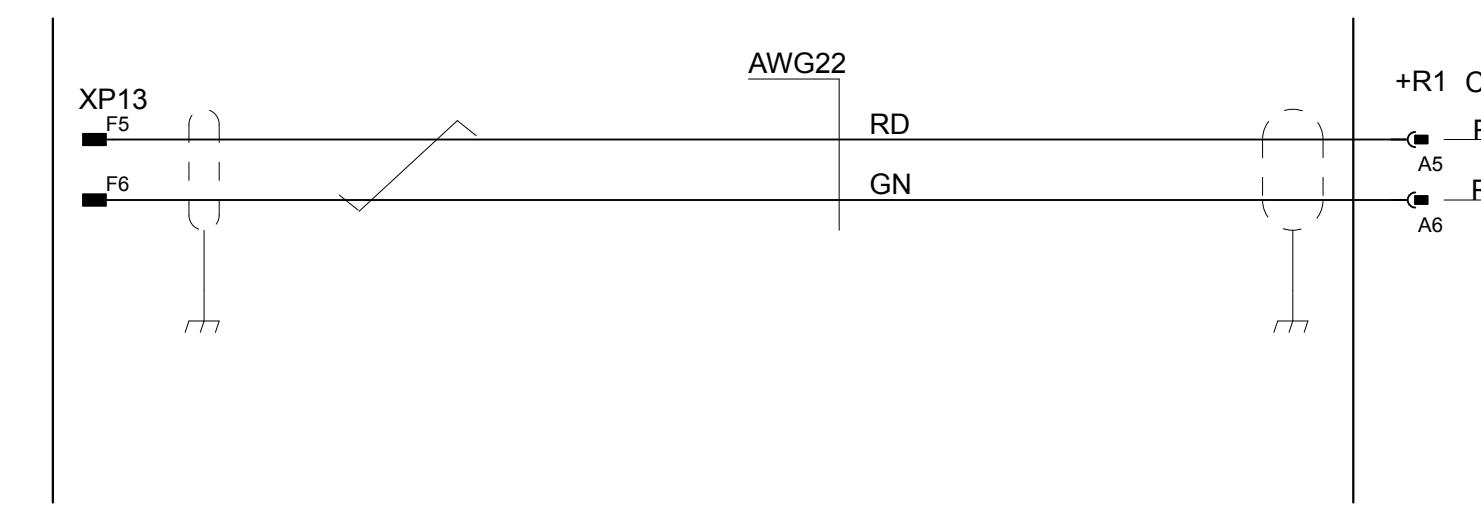


- R1.CBUS
- 1
- 2
- 3
- 4

Option: Profibus

(90) / A33 ←

- RXD/TXD-P
- RXD/TXD-N



- +R1 CP/CS
- RXD/TXD-P
- A5
- RXD/TXD-N
- A6

Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
DevNet/Pofinet/Ethernet/Profibus addition to CP/CS
IRB2600

Status:
Approved

Plant: =
Location: +
Sublocation: +

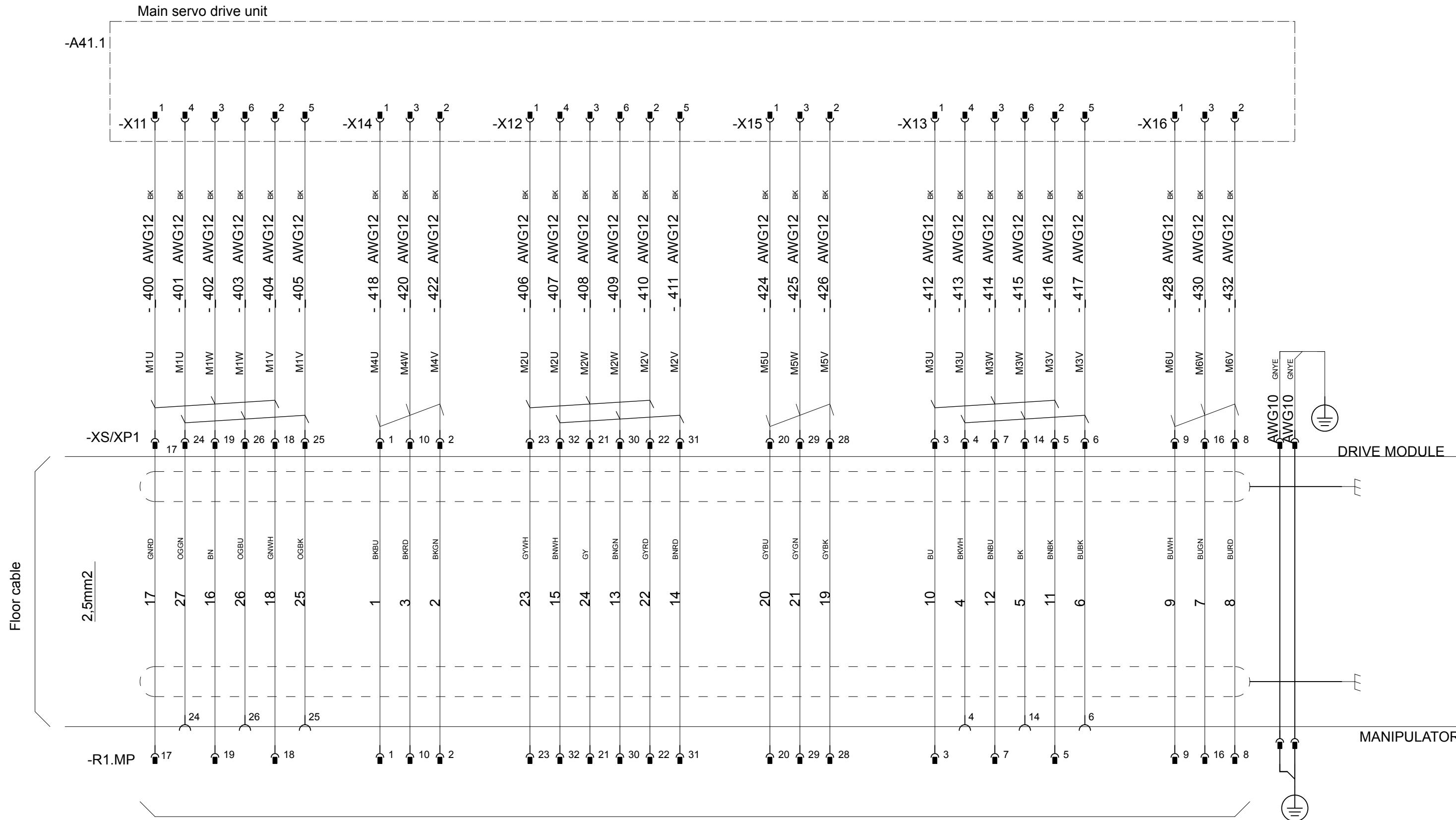
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Rev. Ind Page 83.3

3HAC026871-020

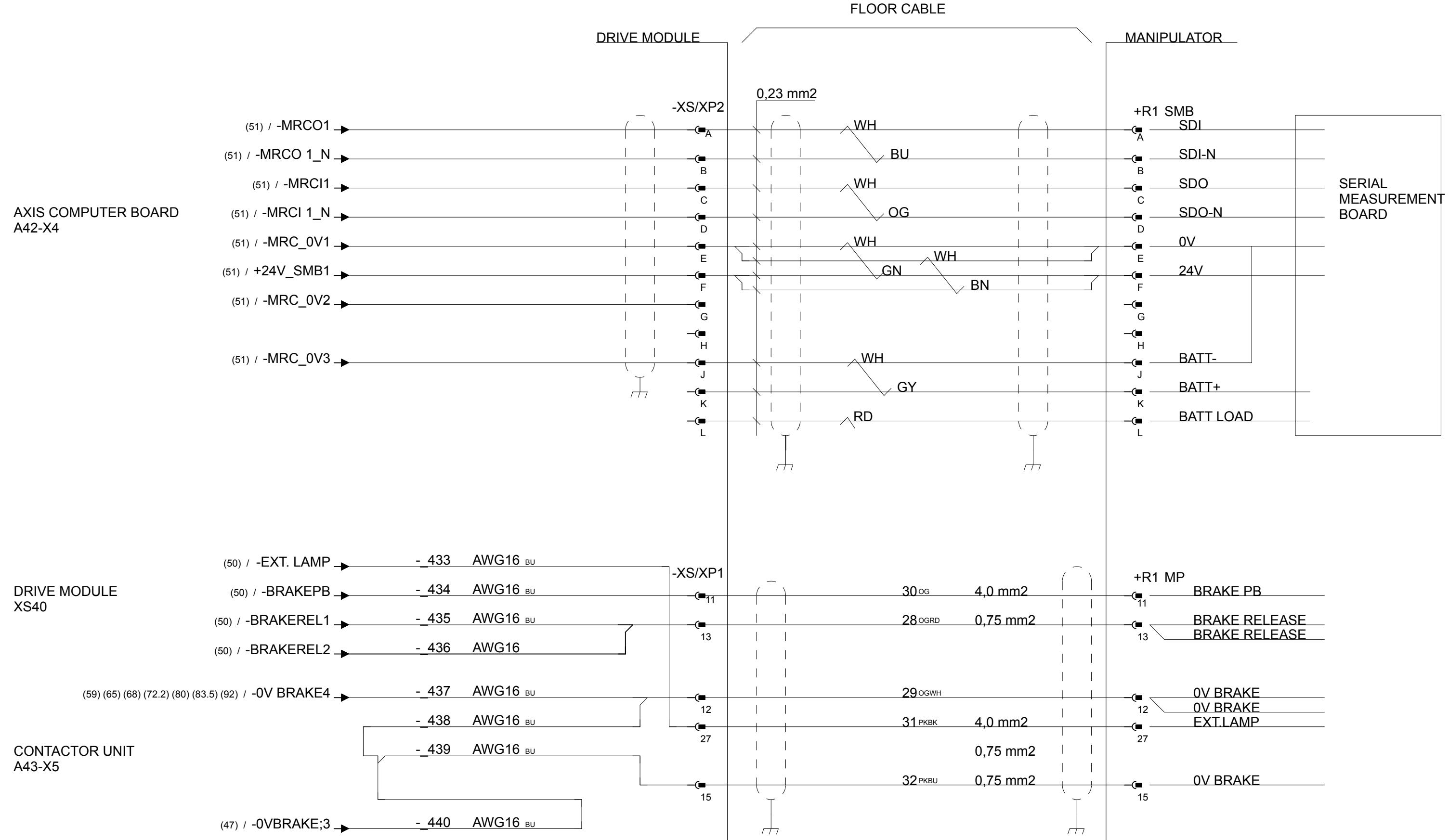
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Total 116



According to Manipulator circuit diagram 3HAC029038-003

Latest revision:			Lab/Office: DMRO SE/ PRN	IRC5 PMC DESIGN 14 Rel 17.1 SERVO DRIVE SYSTEM IRB 4600	Status: Approved	Plant: = Location: + Sublocation: +
Prepared by, date:Thomas Stålنacke 2005-05-19	Approved by, date:S Ögren 2017-03-17				Document no. 3HAC026871-020	Rev. Ind 06
					Page 85 Next 86 Total 116	



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CONTROL CABLE
IRB 4600

Status:
Approved

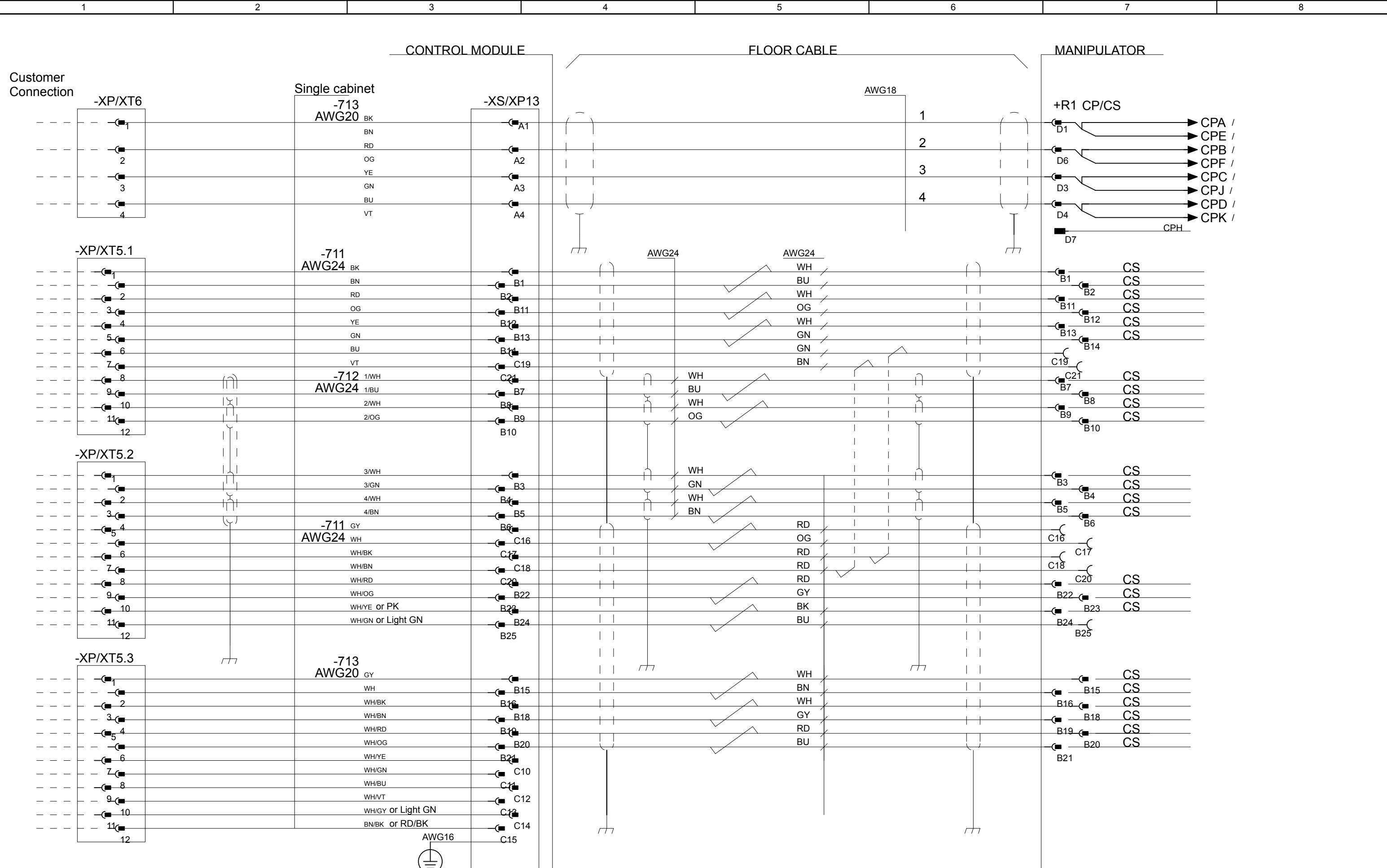
Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind Page 86

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06 Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CUSTOMER POWER/SIGNAL
IRB4600

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

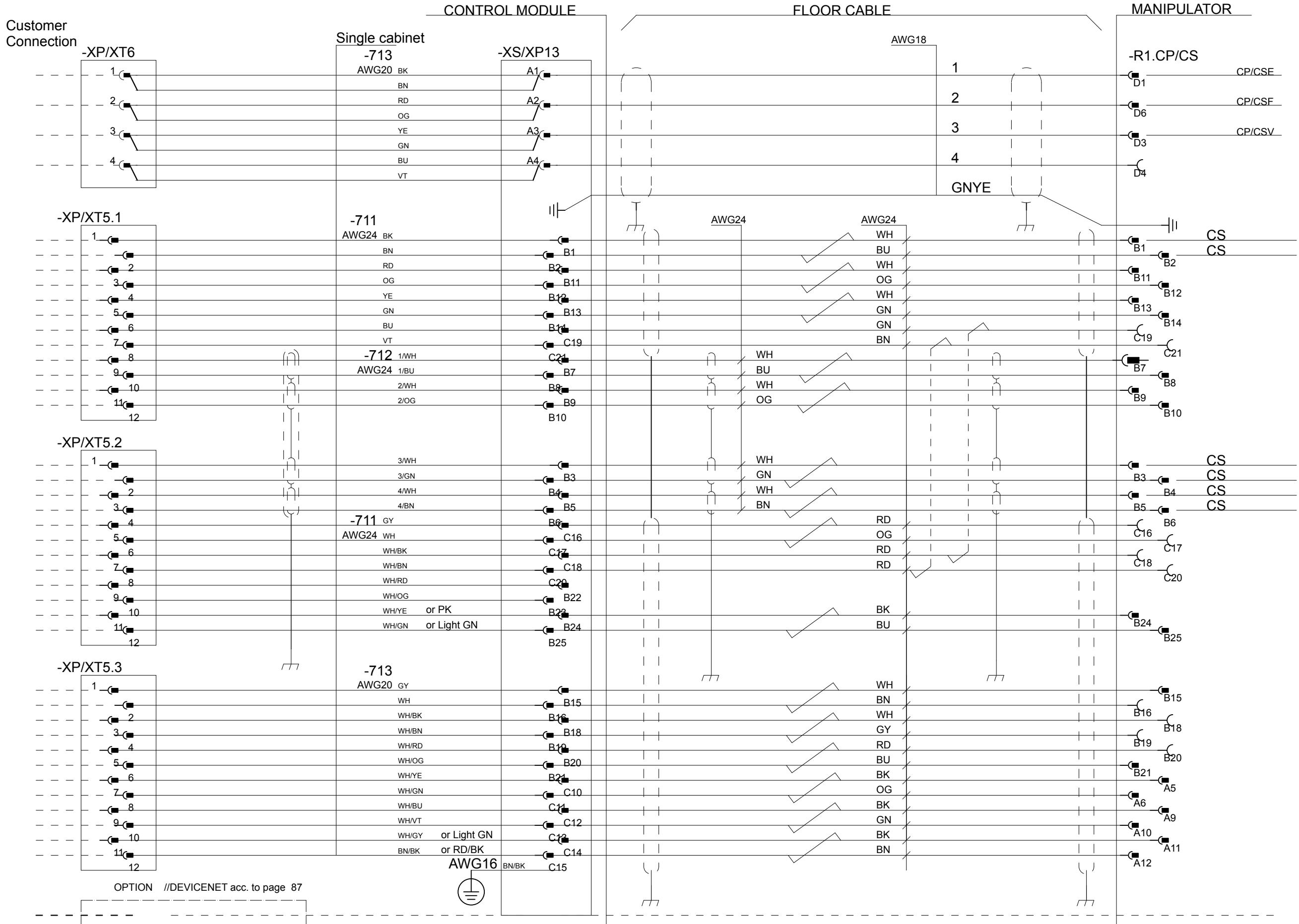
Rev. Ind

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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CUSTOMER POWER/SIGNAL
DEVICE NET
IRB4600

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

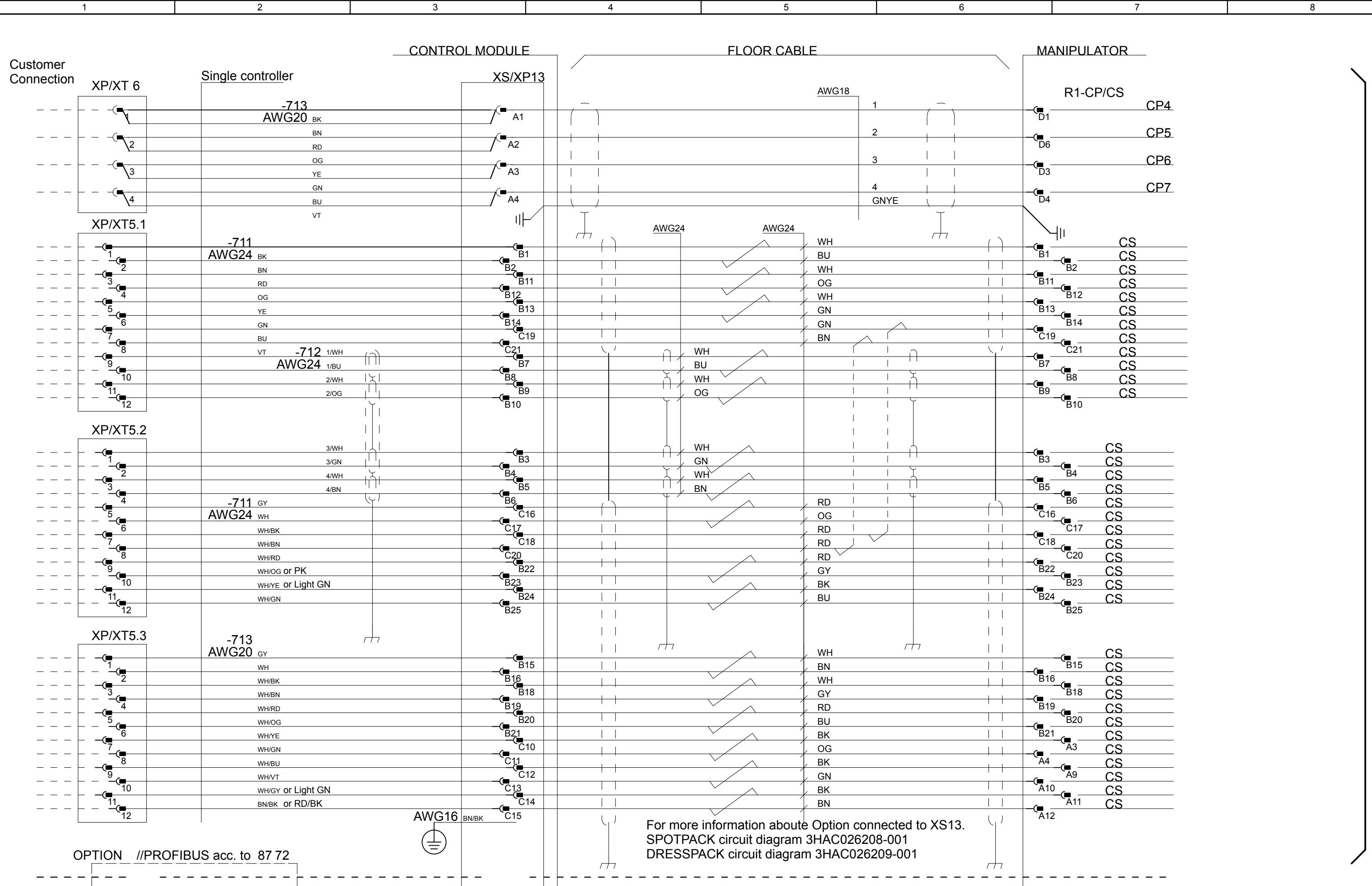
Rev. Ind

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Total 116



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CUSTOMER POWER/SIGNAL
PROFI BUS
IRB 4600

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.

Rev. Ind

Page 89

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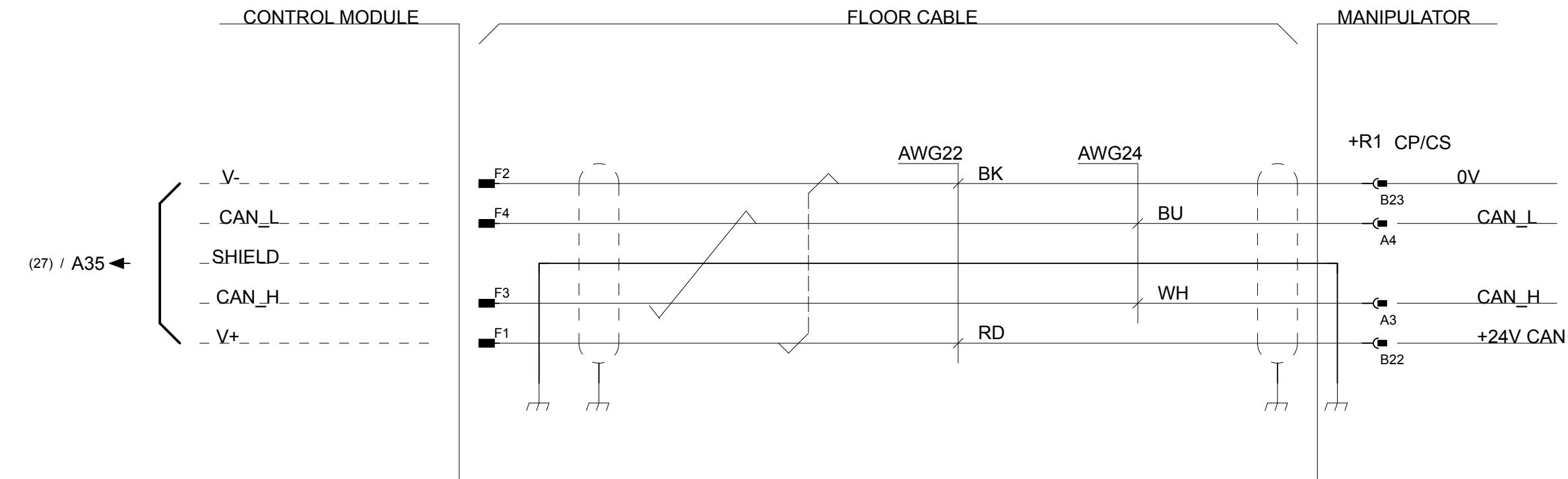
Next 90

Total 116

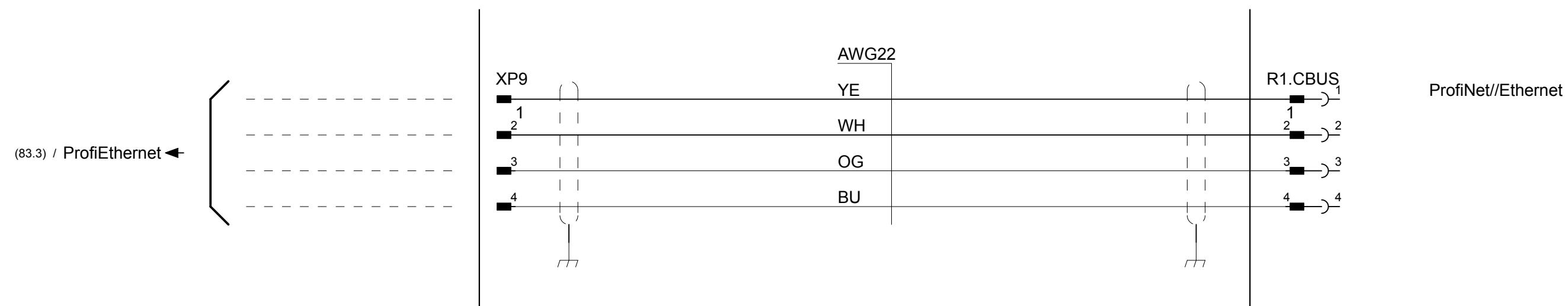
Customer Connection

Additional to page 85 and 86

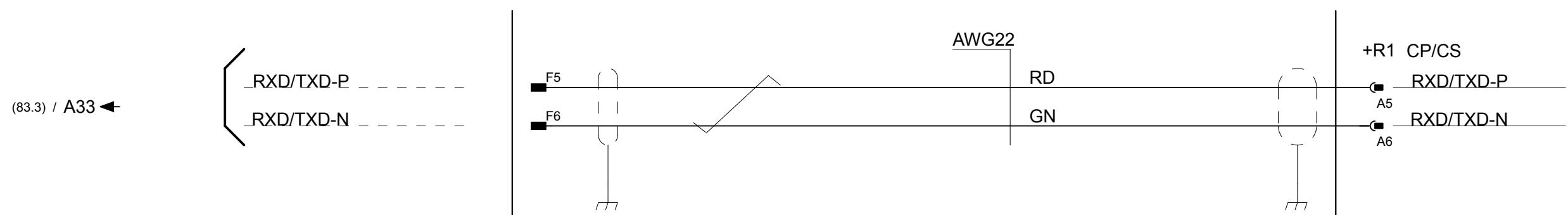
Option: Devicenet connection



Option: ProfiNet / Ethernet IP



Option: Profibus



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
DevNet/Pofinet/Ethernet/Profibus additional
to CP/CS //IRB4600

Status:
Approved

Plant: =
Location: +
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Document no.

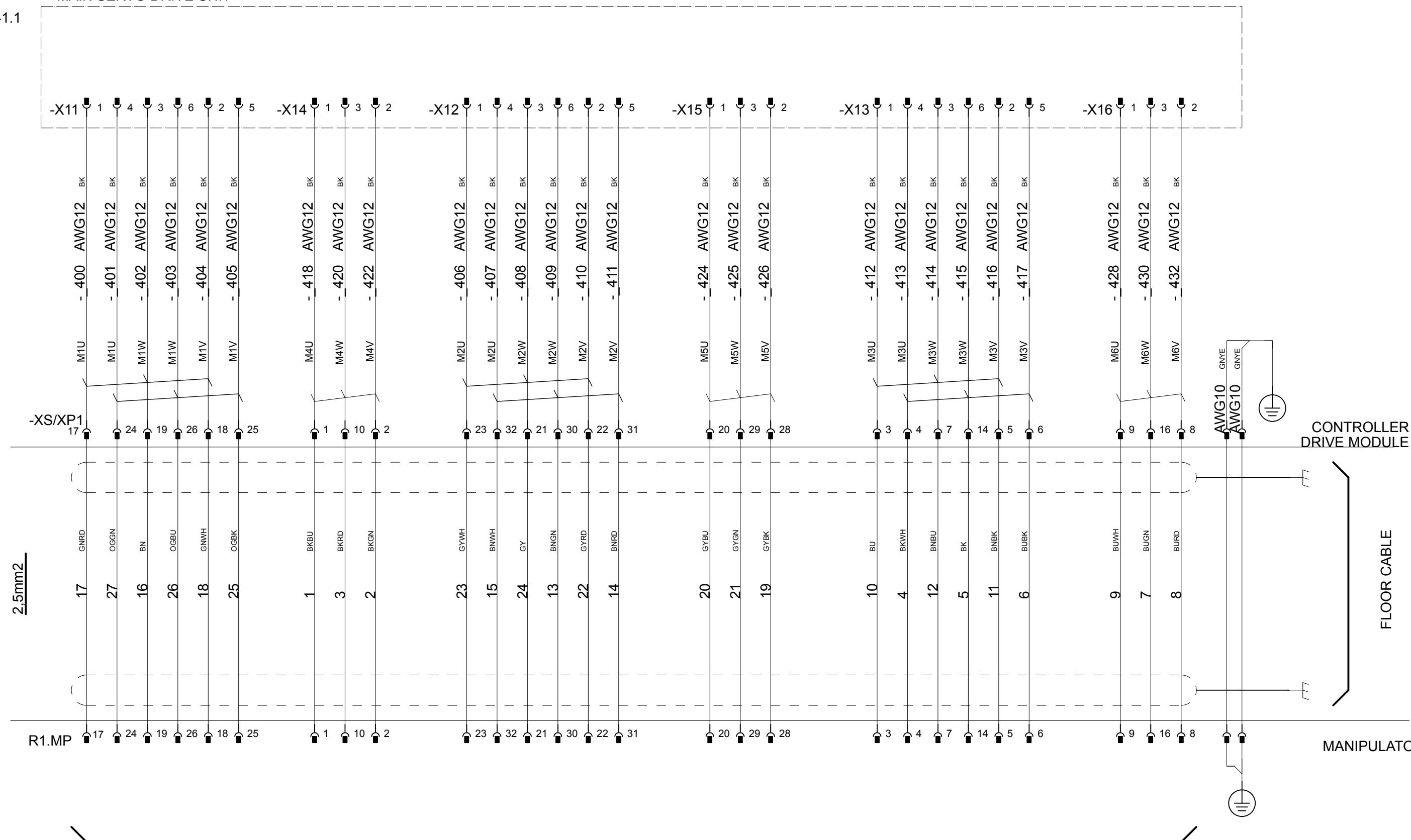
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06 Total 116

MAIN SERVO DRIVE UNIT

A41.1



Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE SYSTEM
IRB 6700

Status:
Approved

Plant: =
Location: +
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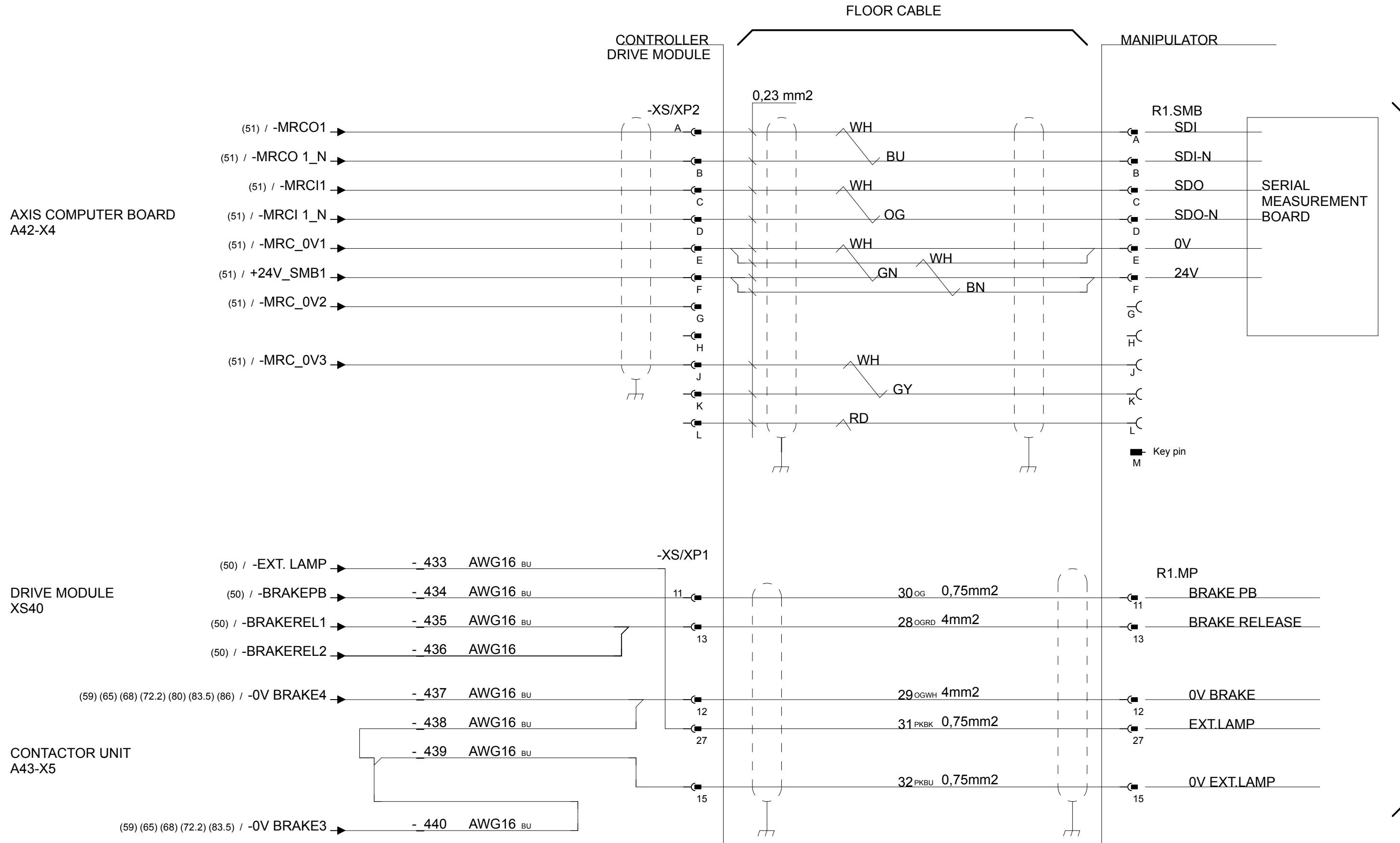
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Latest revision:



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CONTROL CABLE
IRB 6700

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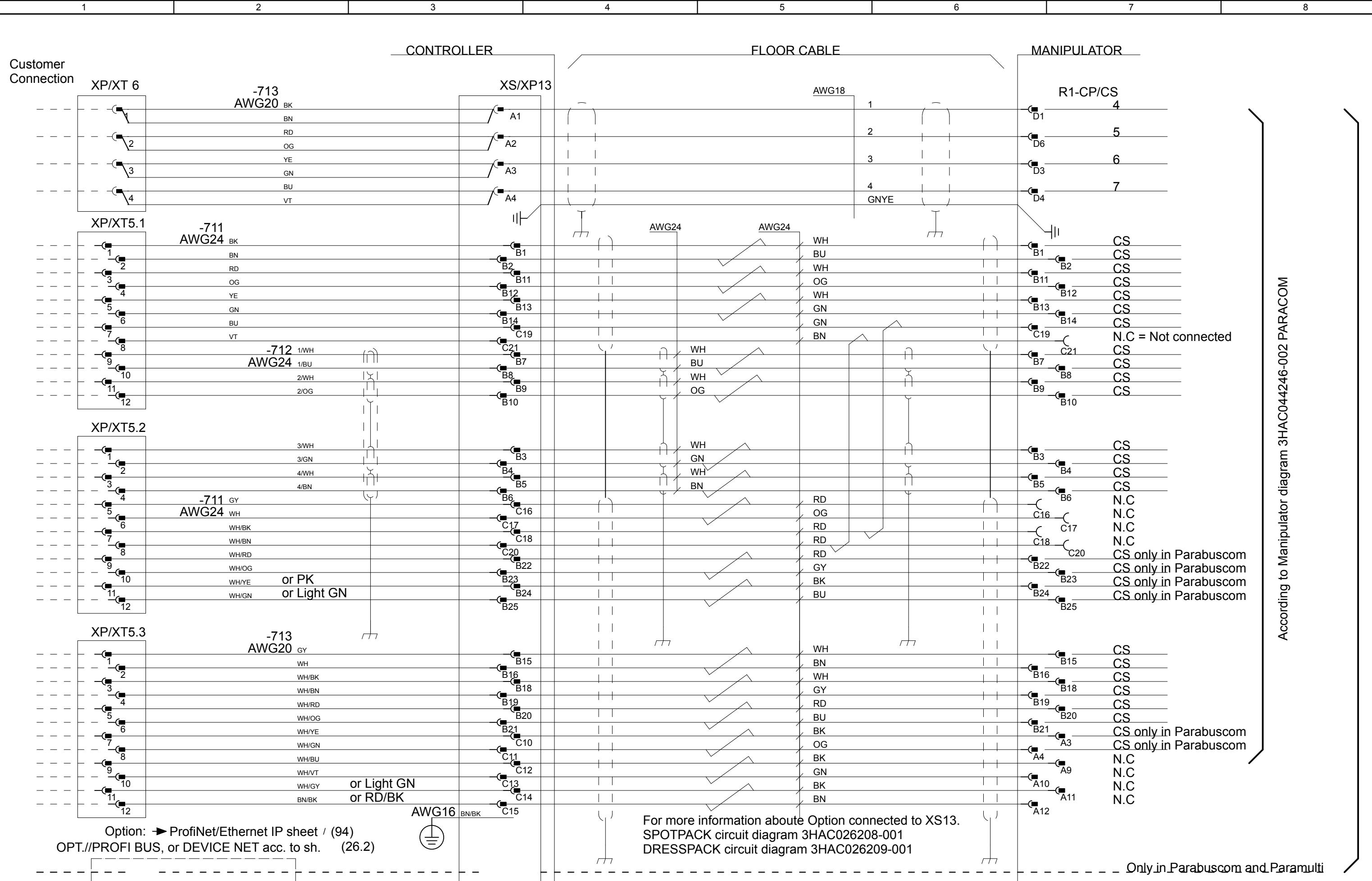
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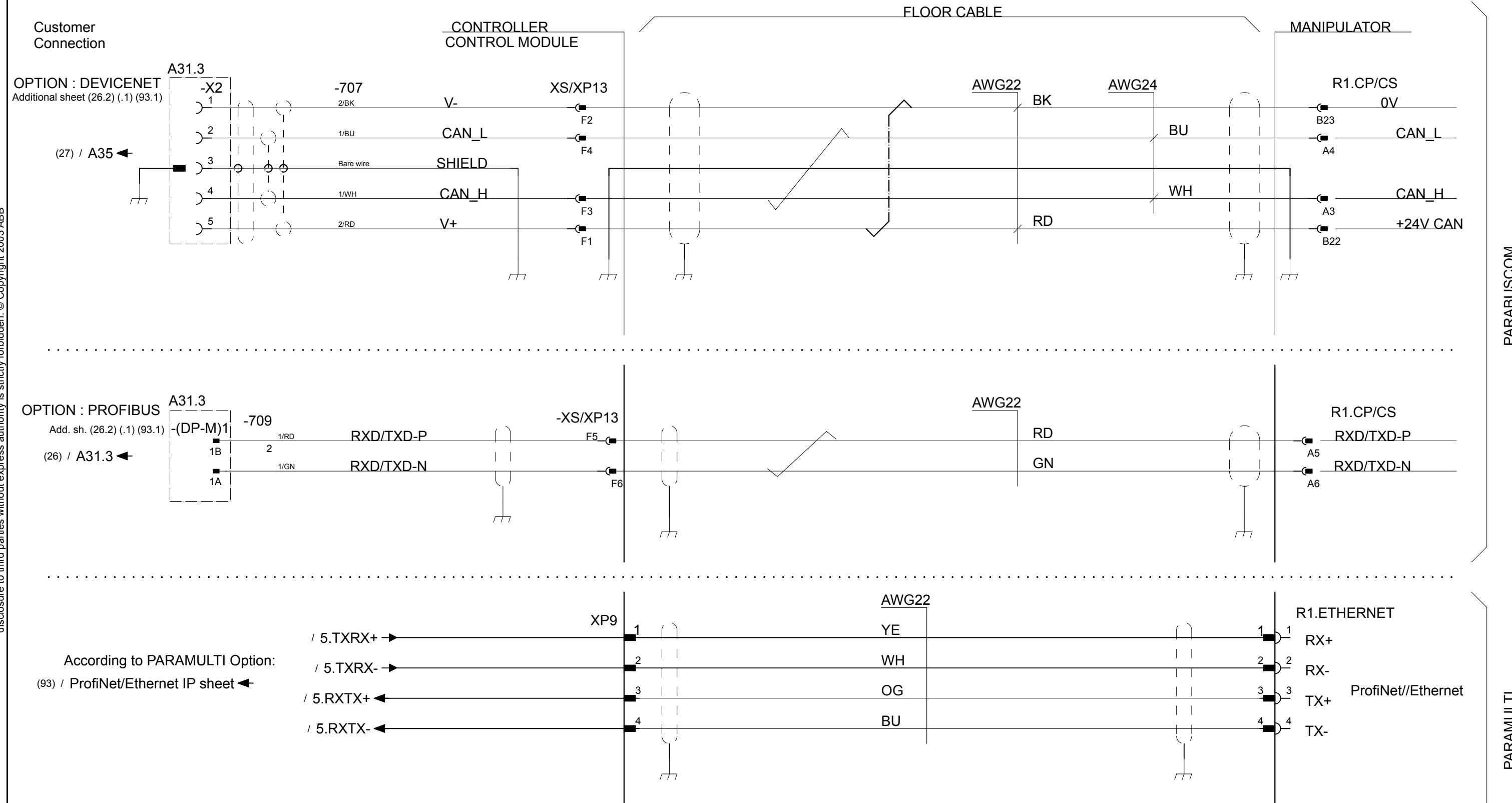
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According to manipulator diagram 3HAC044246-002 PARABUSCOM or PARAMULTI



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IRC5 PMC DESIGN 14 Rel 17.1
DevNet/EtherNet//ProfiNet//PBUS ADDITION TO CP/CS
IRB 6700

Status:
Approved

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Location: +
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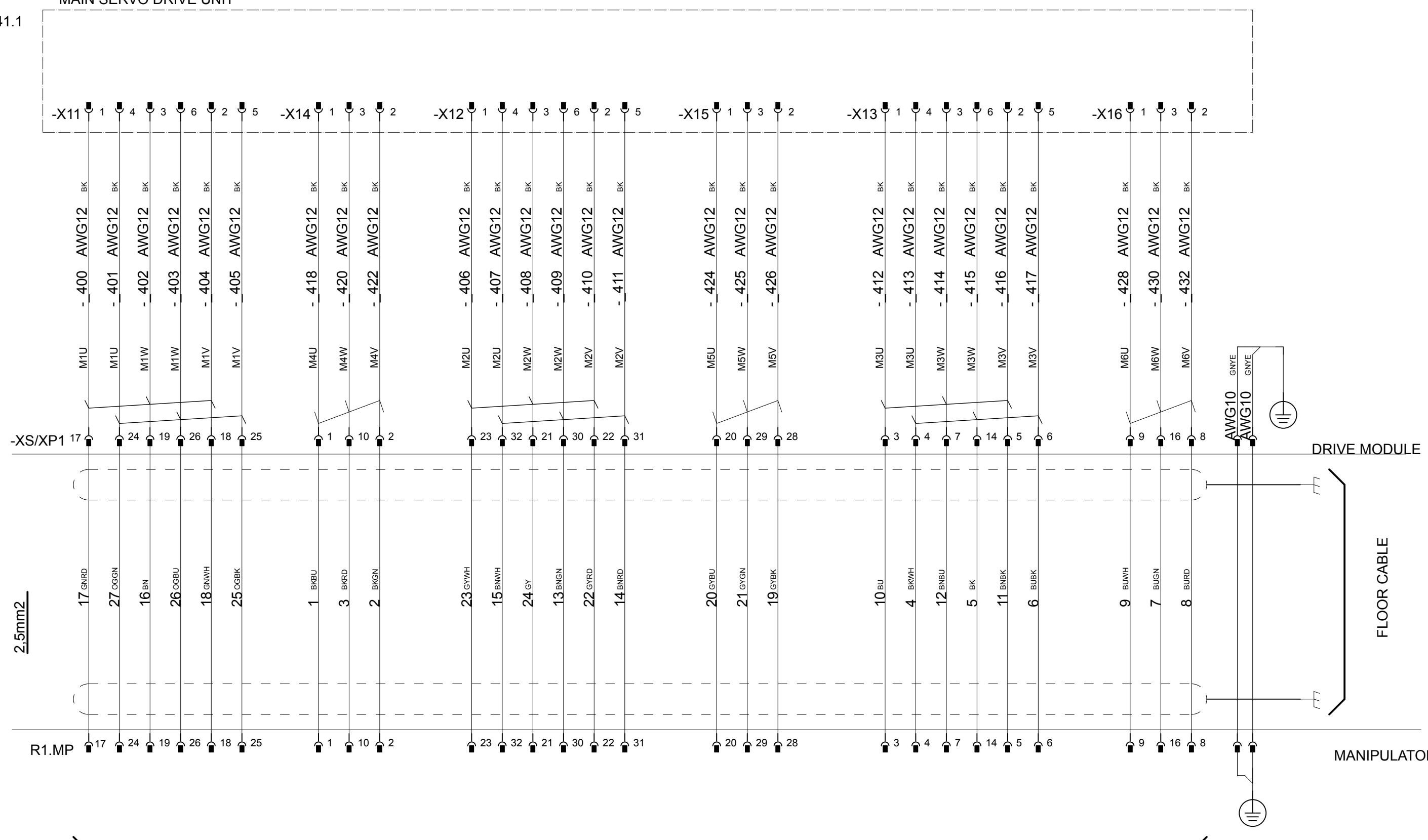
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MAIN SERVO DRIVE UNIT

A41.1



According to Manipulator IRB66XX - 76XX circuit diagram 3HAC025744-001

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IRC5 PMC DESIGN 14 Rel 17.1
SERVO DRIVE SYSTEM
IRB 66xx - 76xx

Status:
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Plant:
Location:
Sublocation:

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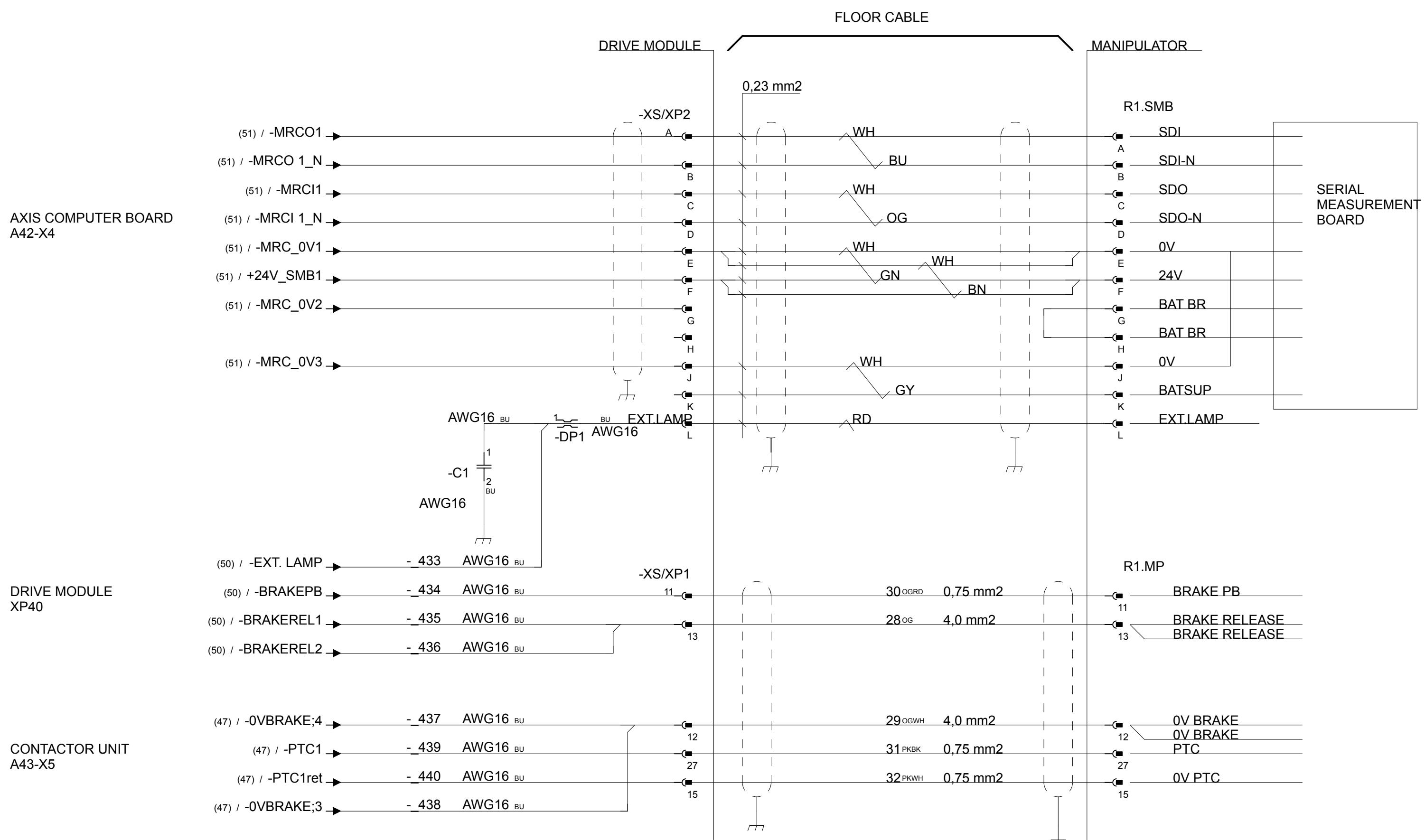
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PRN

IRC5 PMC DESIGN 14 Rel 17.1
CONTROL CABLE
IRB 66xx - 76xx

Status:
Approved

Plant: =
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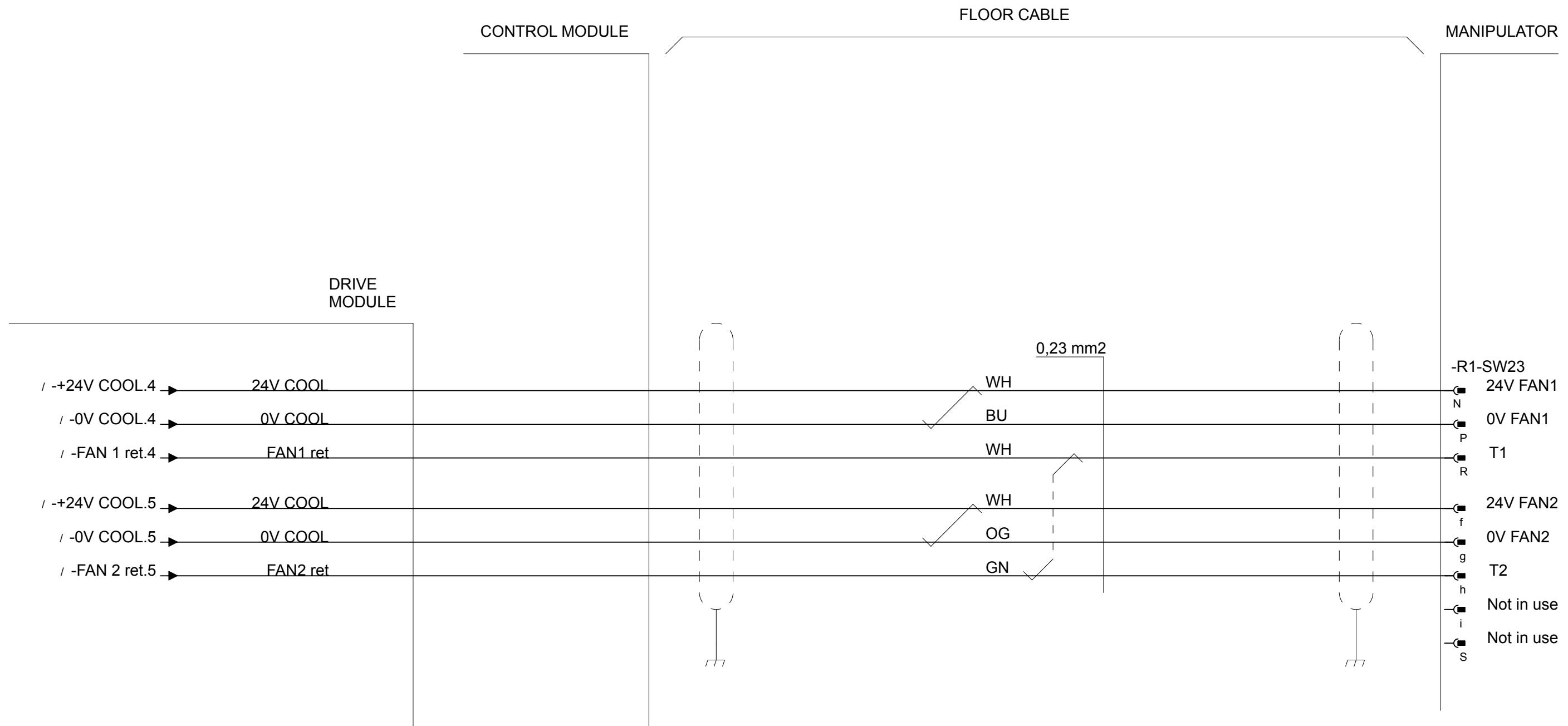
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Latest revision:



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PRN

IRC5 PMC DESIGN 14 Rel 17.1
COOLING AXES 1/2
IRB 6600 - 7600

Status:
Approved

Plant: =
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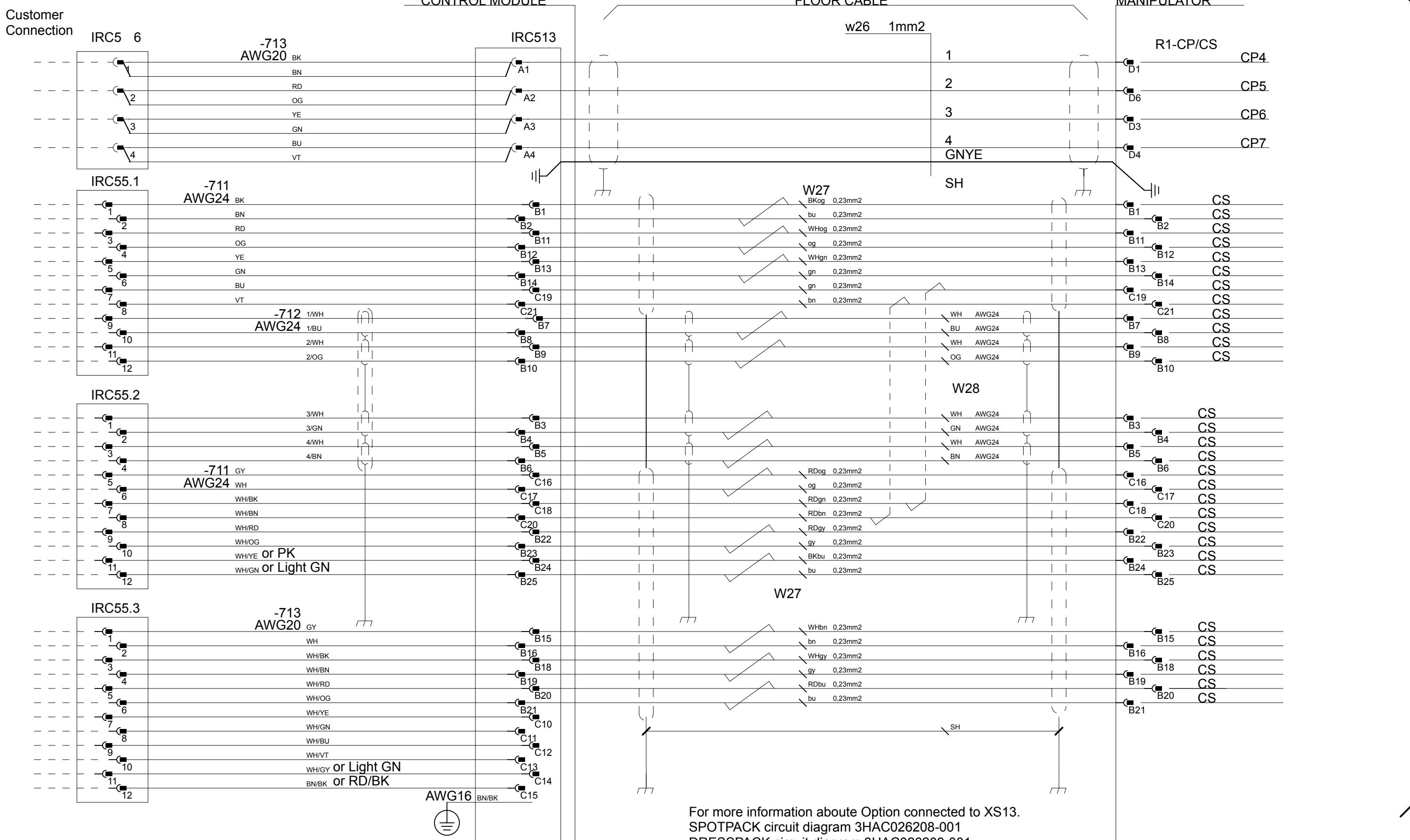
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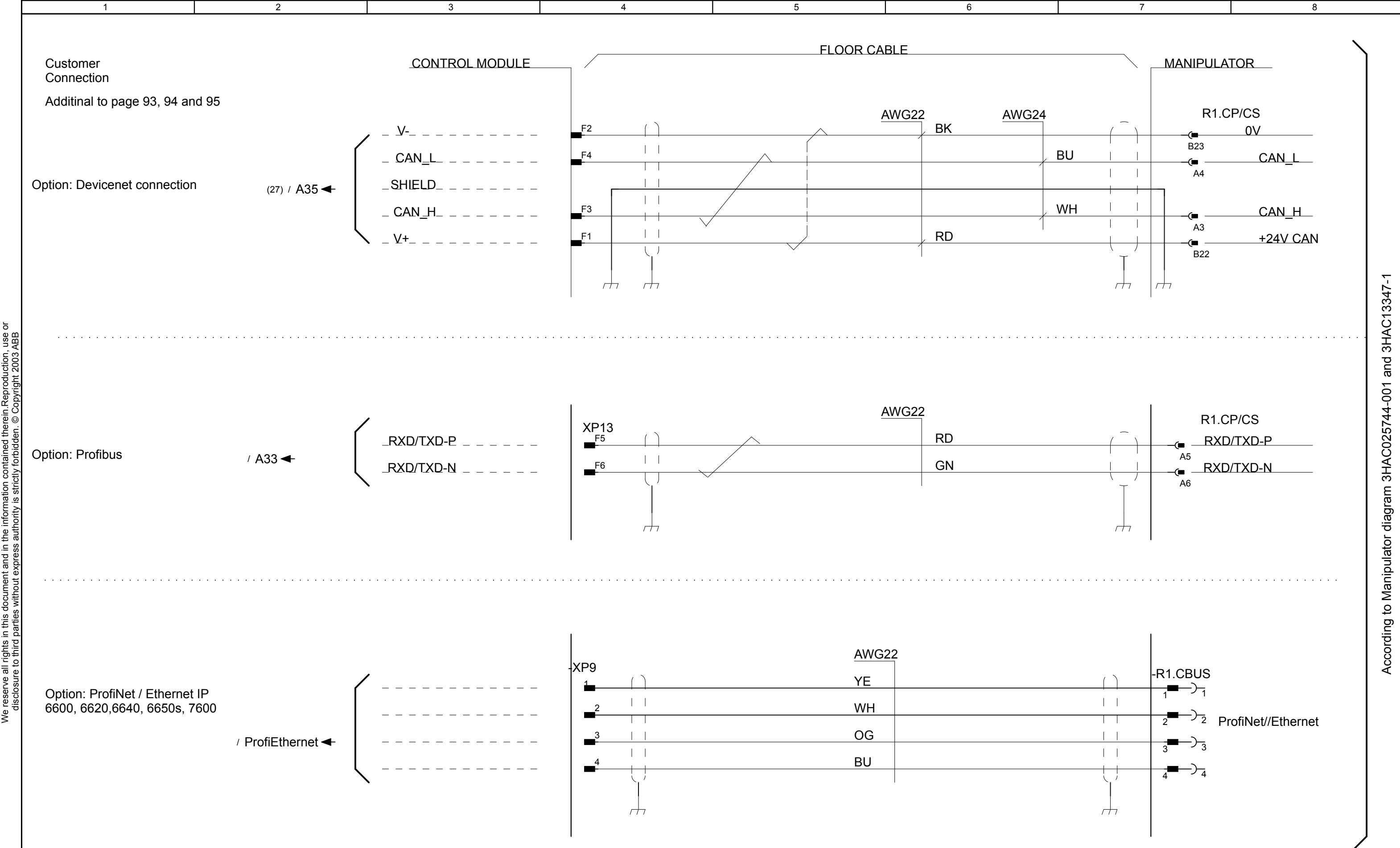
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Latest revision:



Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
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Approved

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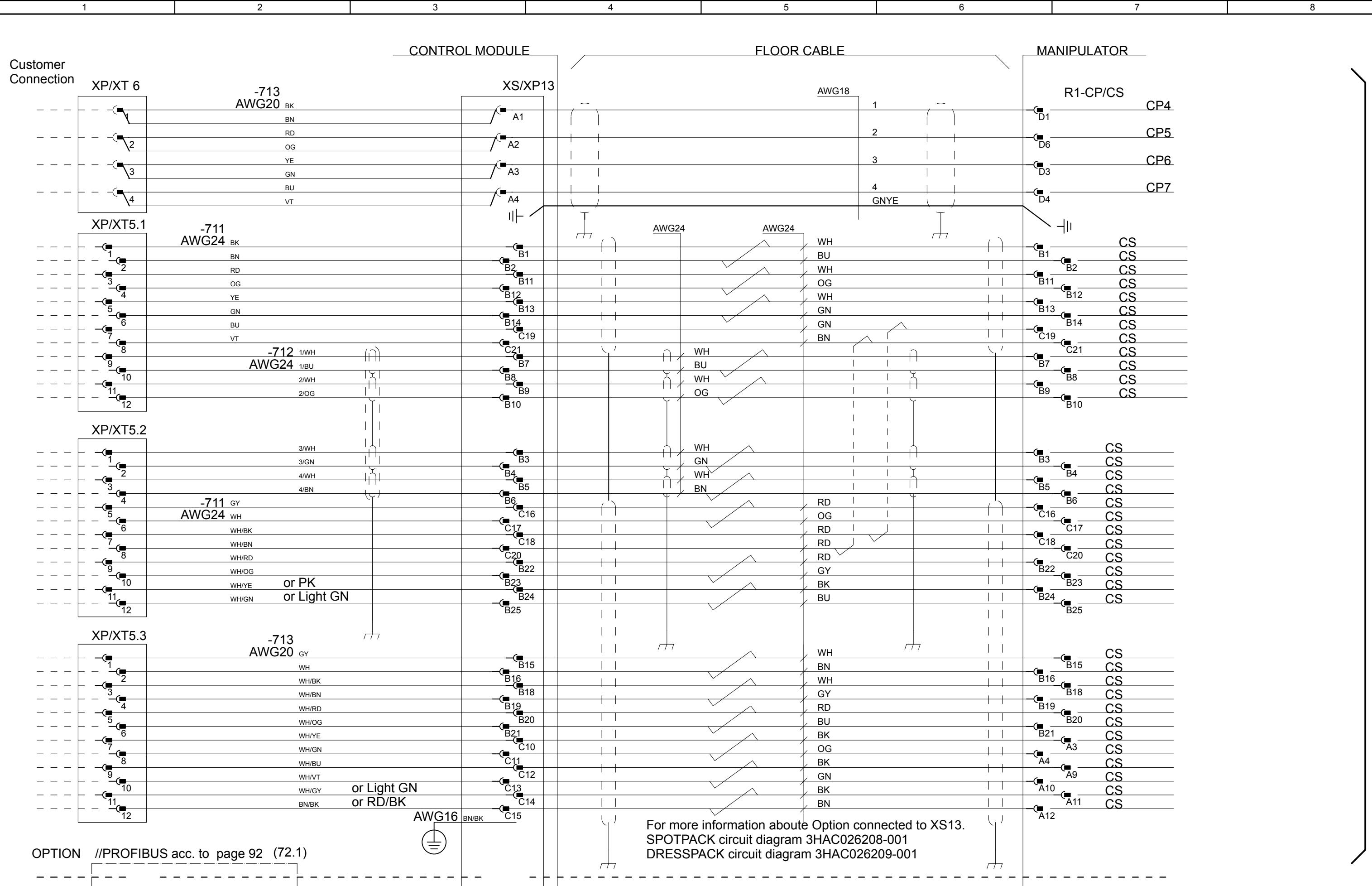
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Lab/Office:
DMRO SE/
PRN

IRC5 PMC DESIGN 14 Rel 17.1
CUSTOMER POWER/SIGNAL PROFI BUS
IRB 6600 - 7600

Status:
Approved

Plant: =
Location: +
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Document no.

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