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					Document no. 3HAC085352-007	Rev. Ind 00
Prepared by, date: CNPAXU1	Approved by, date: CNKEWAN10					



Description : IRB1090
 Drawing number : 3HAC085352-007
 Drawing version : 00
 Date :

Customer :
 Year of construction :
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Drawn by : CNPAXU1
 Number of pages : 17
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Valid for:

This circuit diagram is valid for the following cable harness & board unit assemblies:

Harness for Robot:

3HAC060420-001 L Basic
 3HAC060420-002 L Basic+CP/CS+4x4mm air hose
 3HAC060420-003 L Basic+CP/CS+4x4mm air hose+Eth.

3HAC060416-001 U Basic Ext.
 3HAC060416-002 U Basic+CPCS+4x4mm air Ext.
 3HAC060416-003 U Basic+CPCS+4x4mm air+Eth.Ext.

3HAC060418-001 Process hub Basic
 3HAC060418-003 Process hub CPCS+4x4mm air
 3HAC060418-005 Process hub CPCS+4x4mm air+Eth.

Board unit for Robot:

3HAC063968-001 SMB Unit
 3HAC044075-001 Battery Unit

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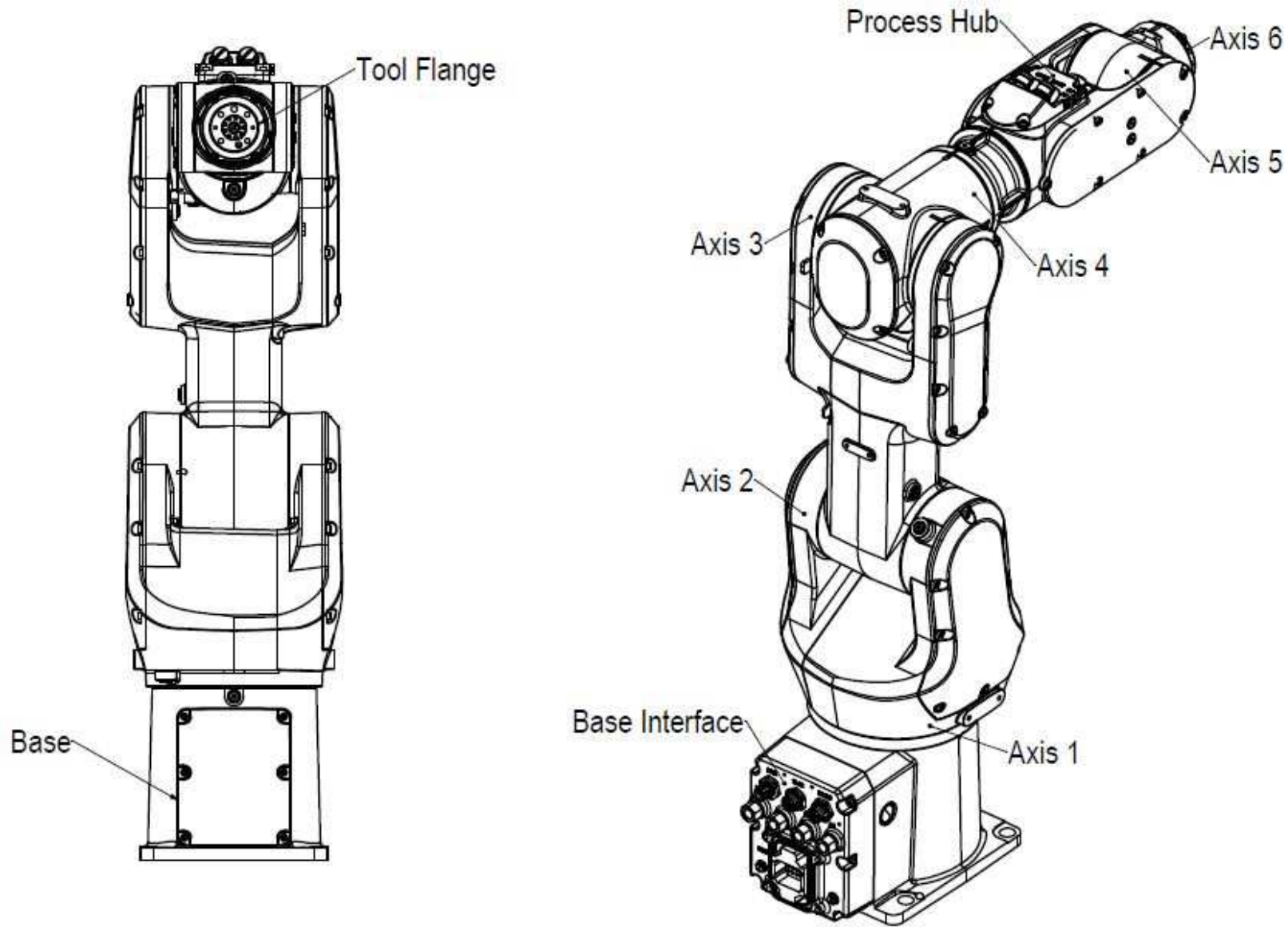
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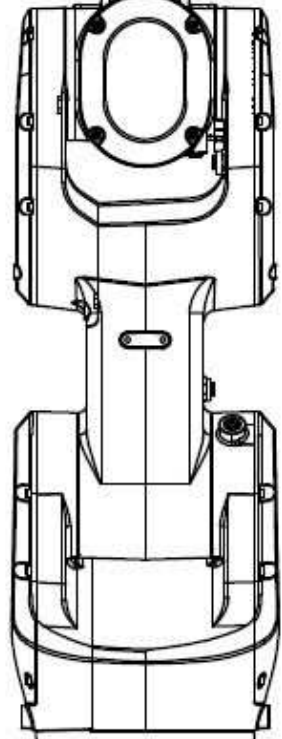
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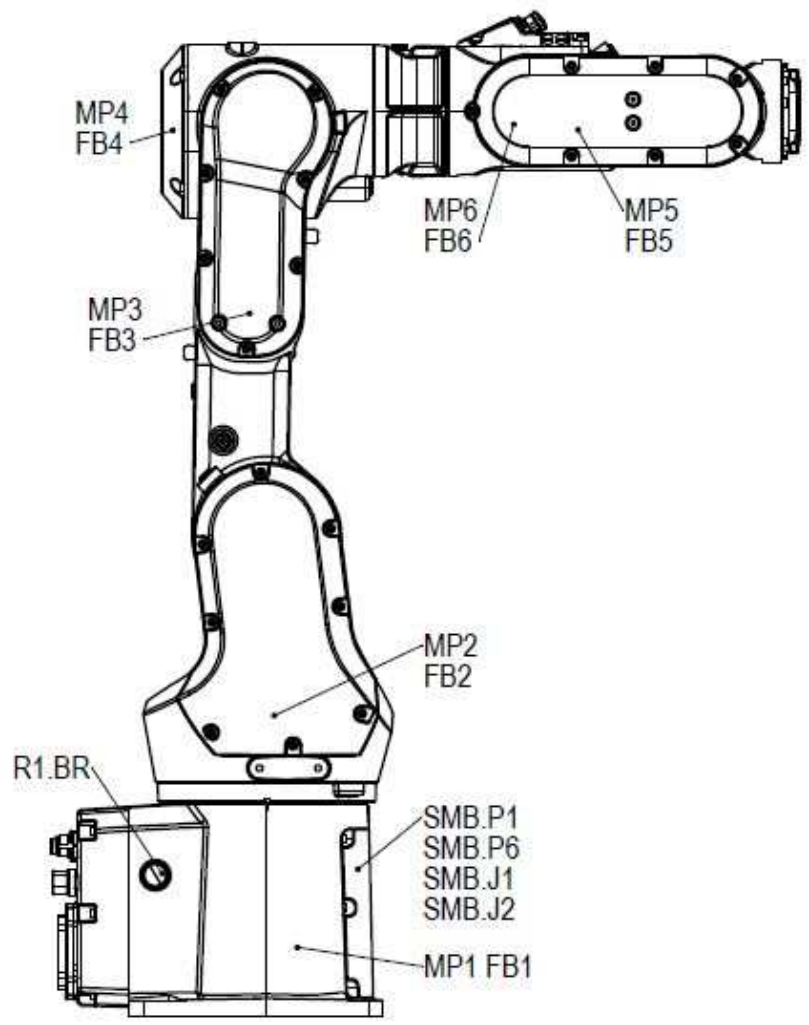
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SYSTEM OVERVIEW

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R2.C2(option)
 R2.C1(option)
 A3.A4 (option)
 A1.A2 (option)



R1.C2(option)
 R1.C1(option)
 A1(option)
 A2(option)
 R1.MP
 R1.SMB
 A4(option)
 A3(option)

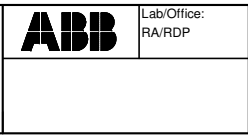


MP4
 FB4
 MP6
 FB6
 MP5
 FB5
 MP3
 FB3
 MP2
 FB2
 R1.BR
 SMB.P1
 SMB.P6
 SMB.J1
 SMB.J2
 MP1
 FB1

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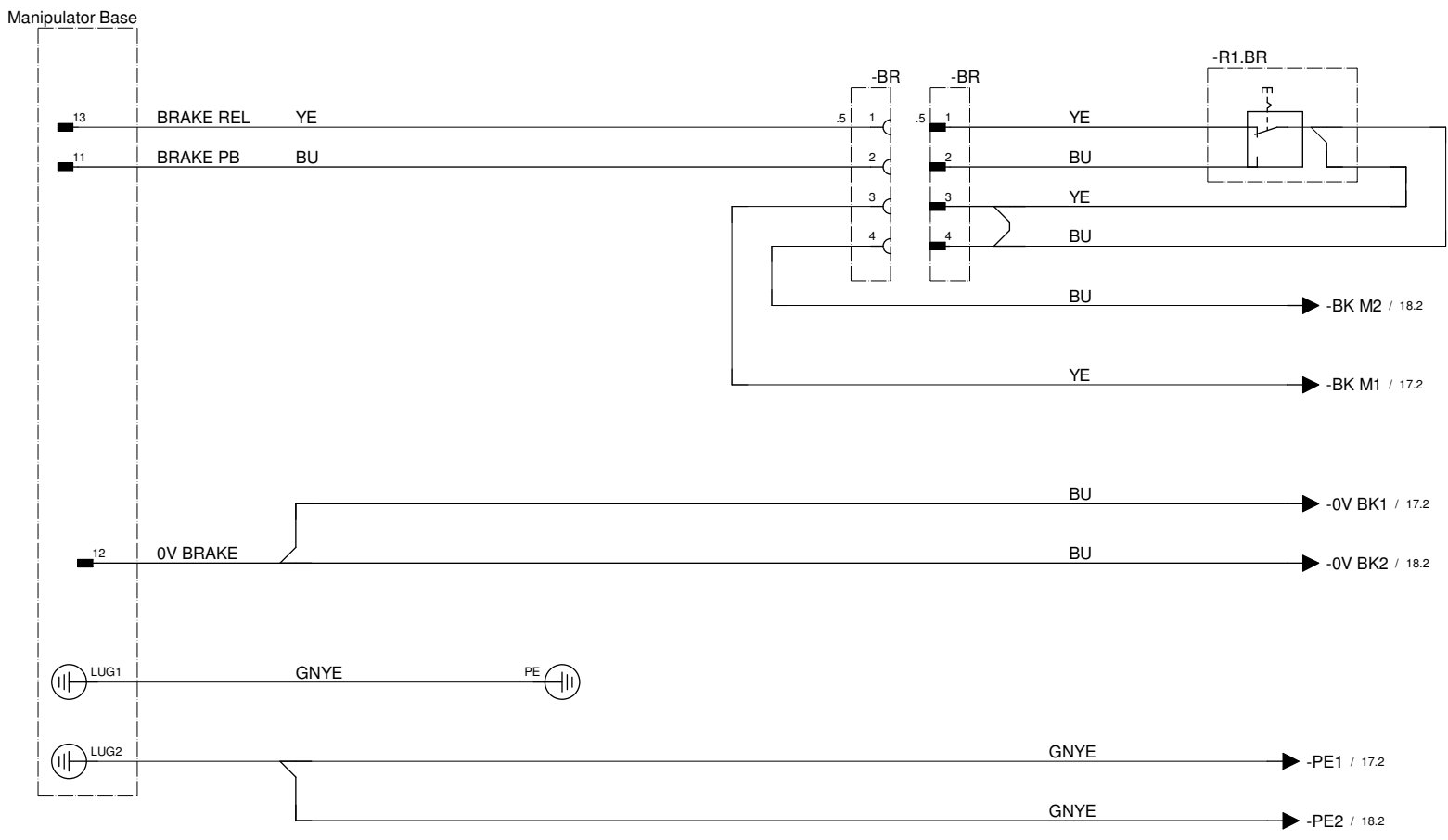
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 CONNECTION POINT LOCATION

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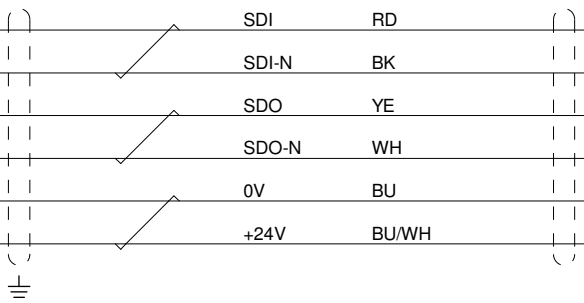
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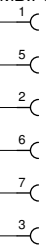
Manipulator Base

-R1.SMB

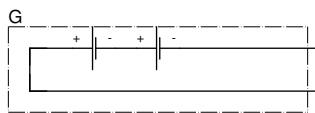
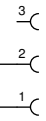


-SMB

-SMB.P6



-SMB.P1



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SERIAL MEASUREMENT BOARD

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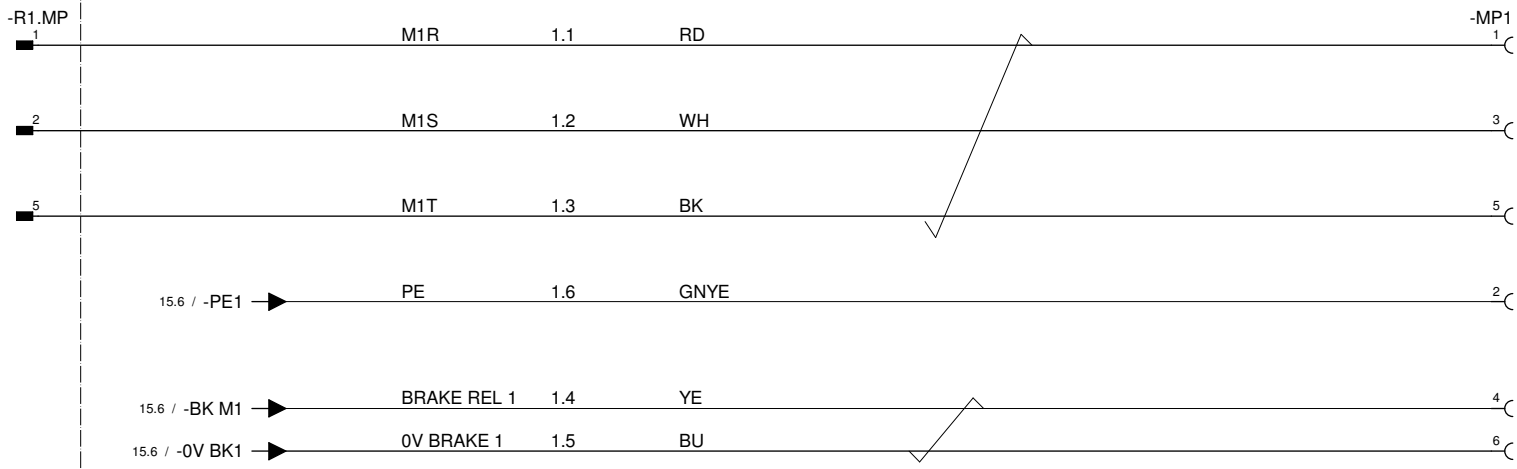
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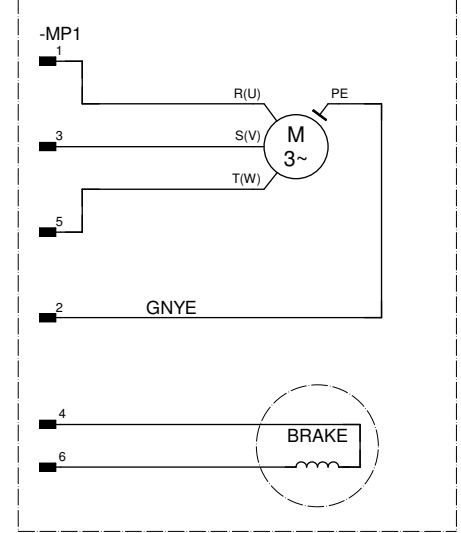
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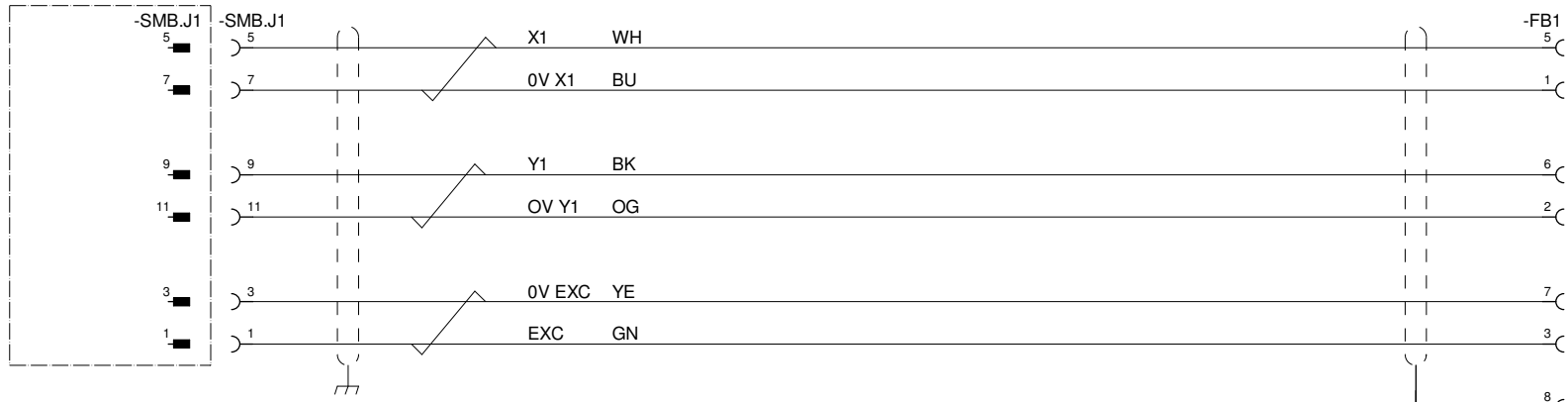
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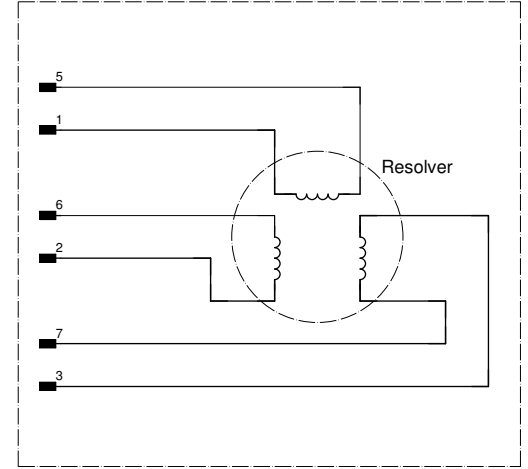
-M1



-SMB



-FB1



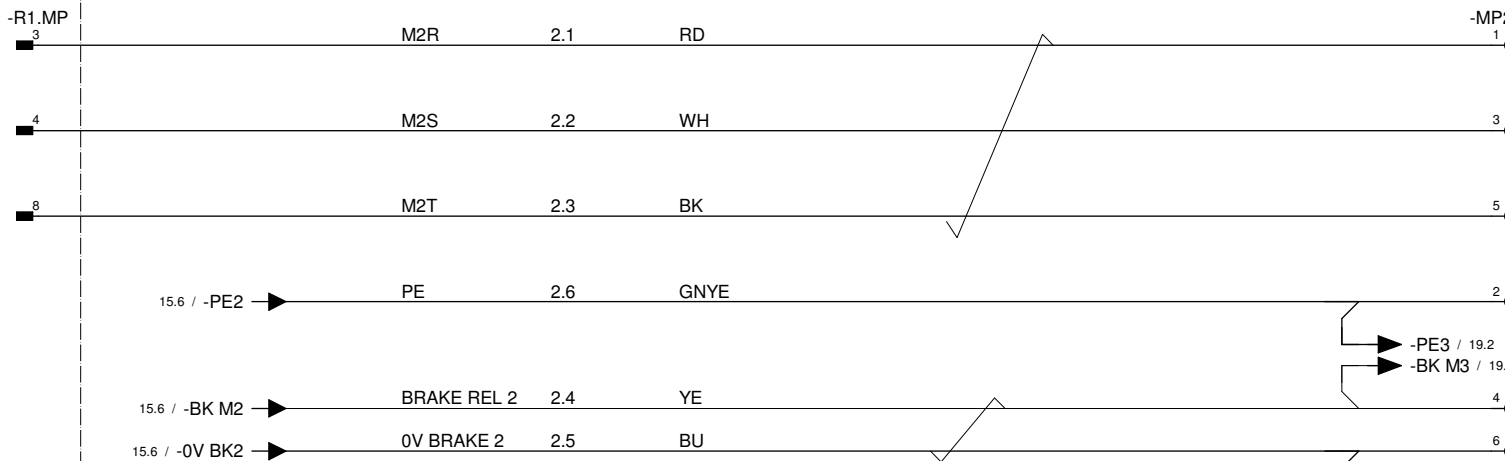
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AXIS 1

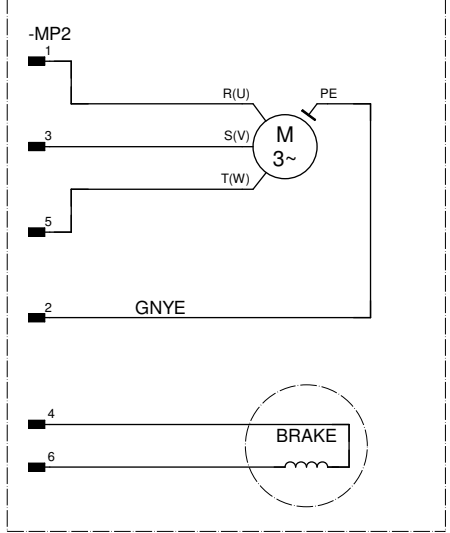
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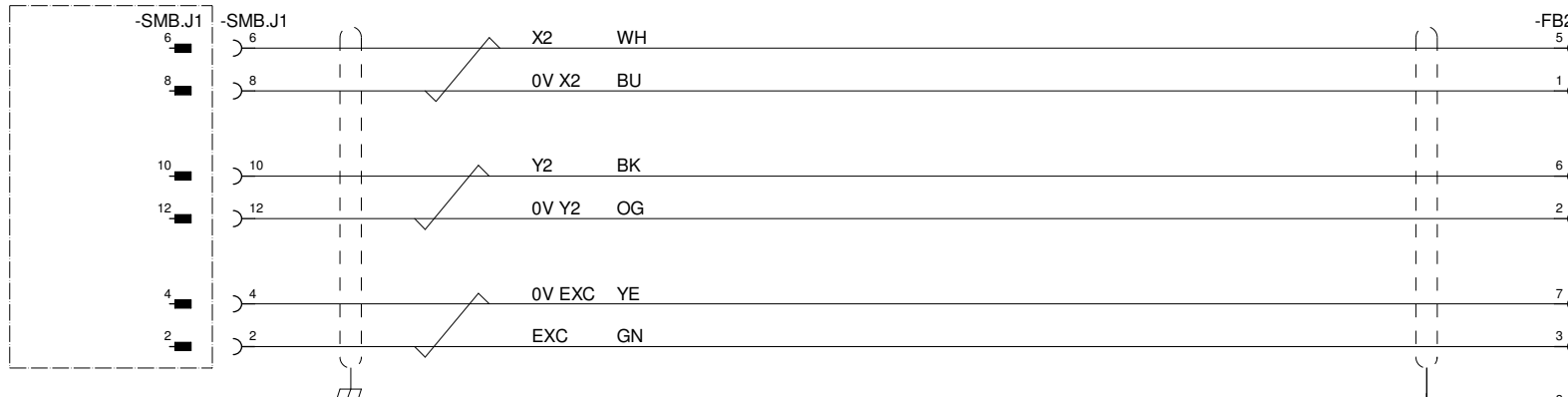
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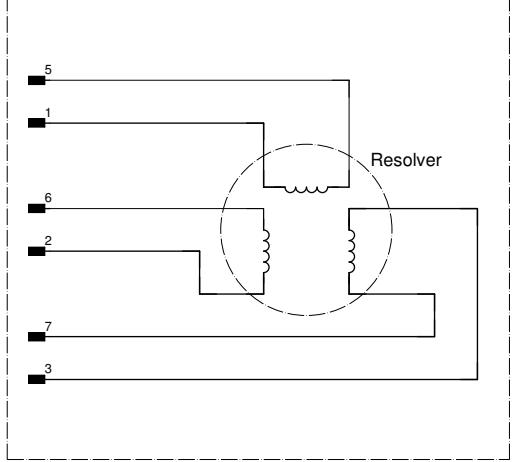
-M2



-SMB



-FB2



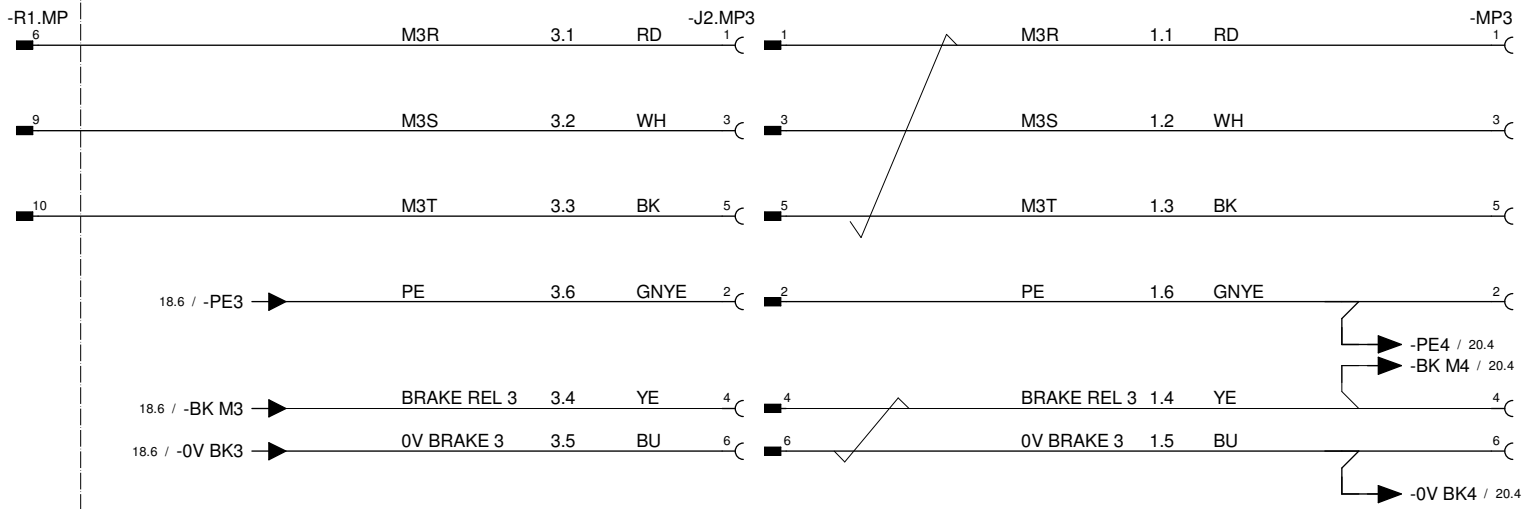
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AXIS 2

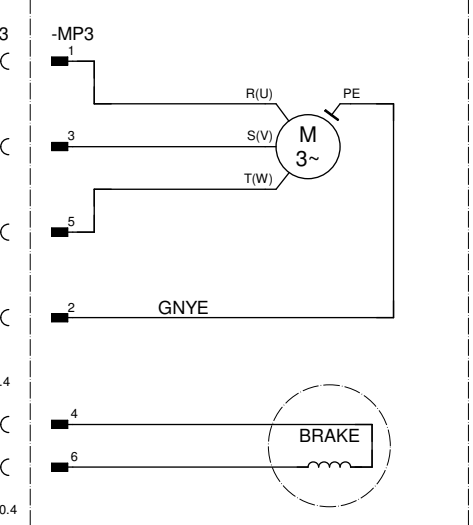
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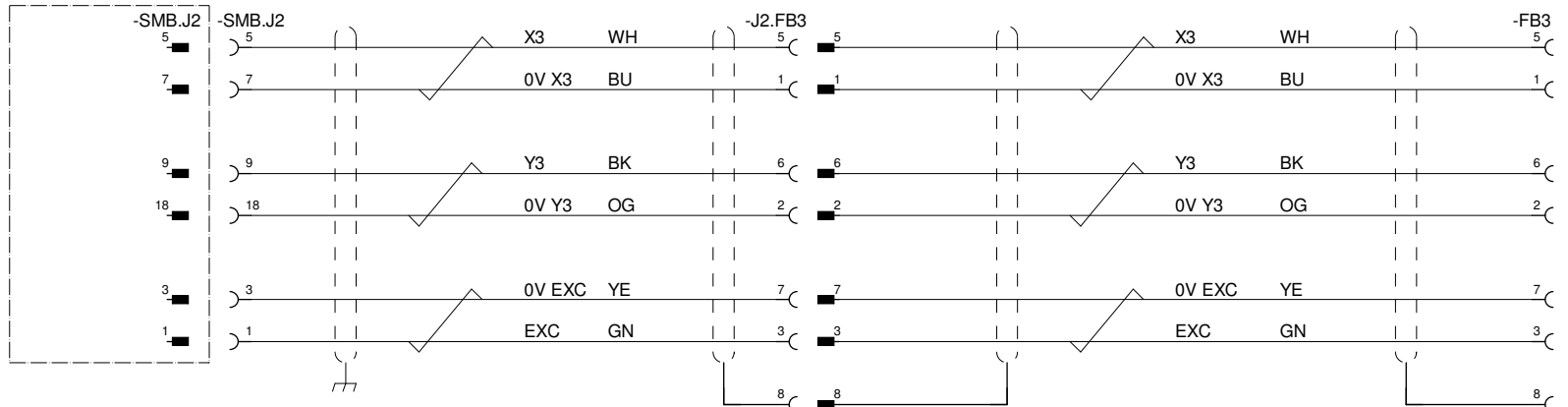
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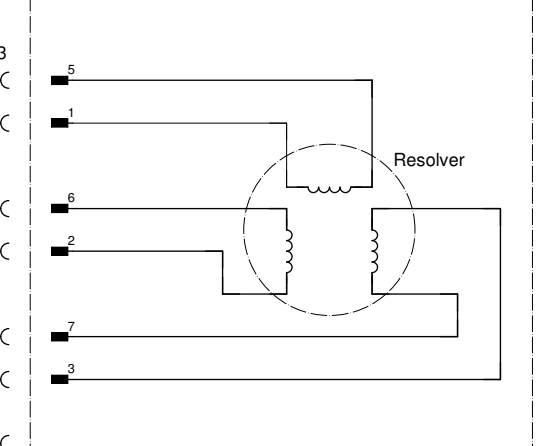
-M3



-SMB



-FB3



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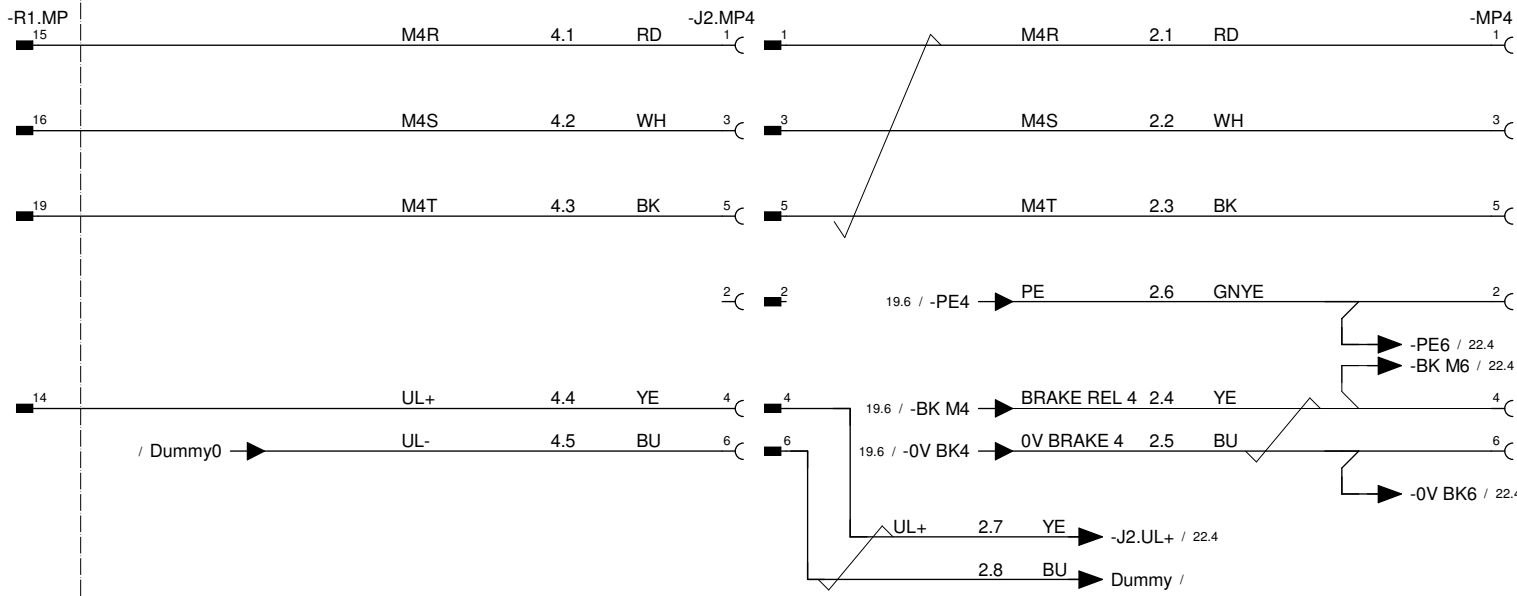
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AXIS 3

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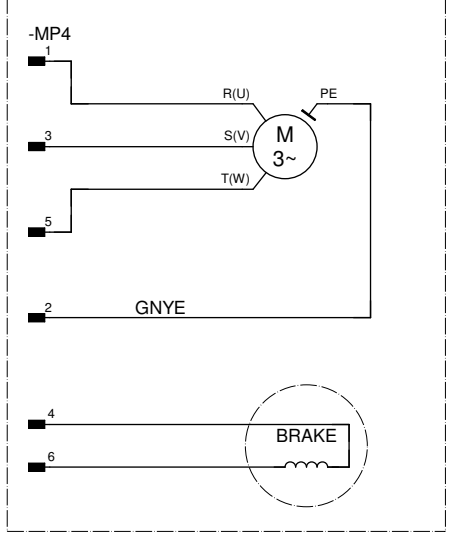
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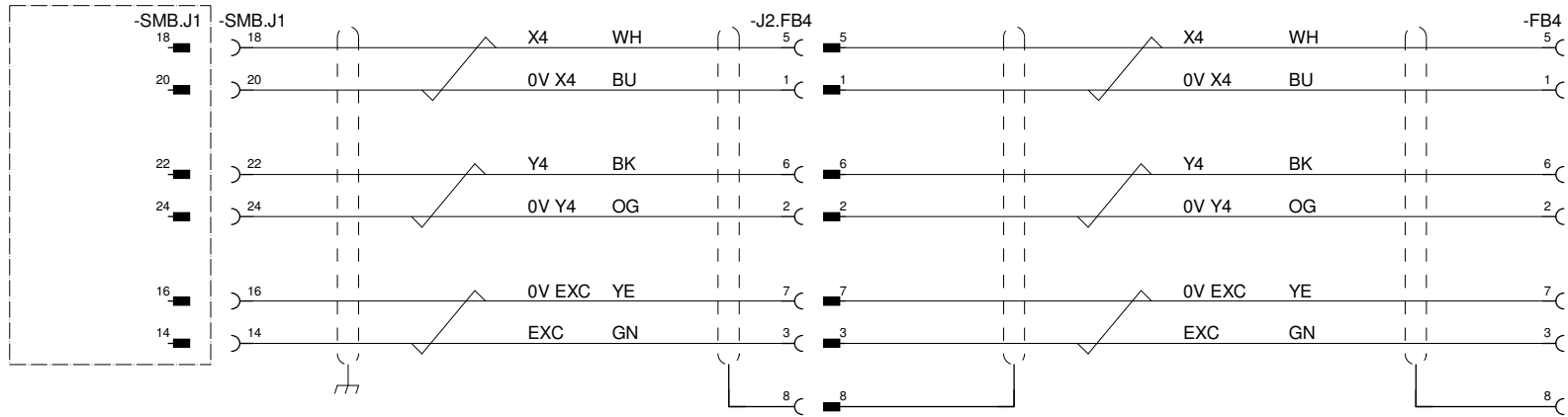
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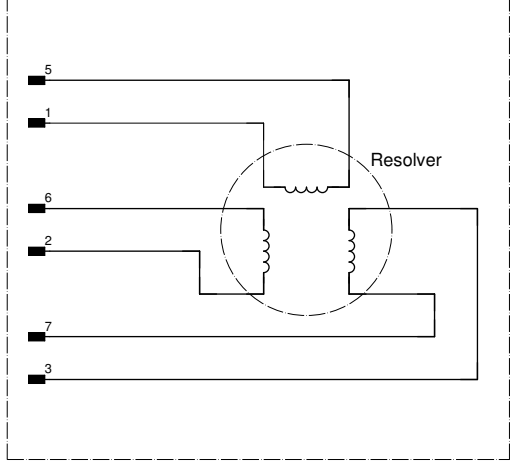
-M4



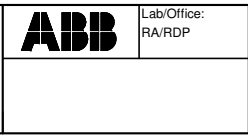
-SMB



-FB4



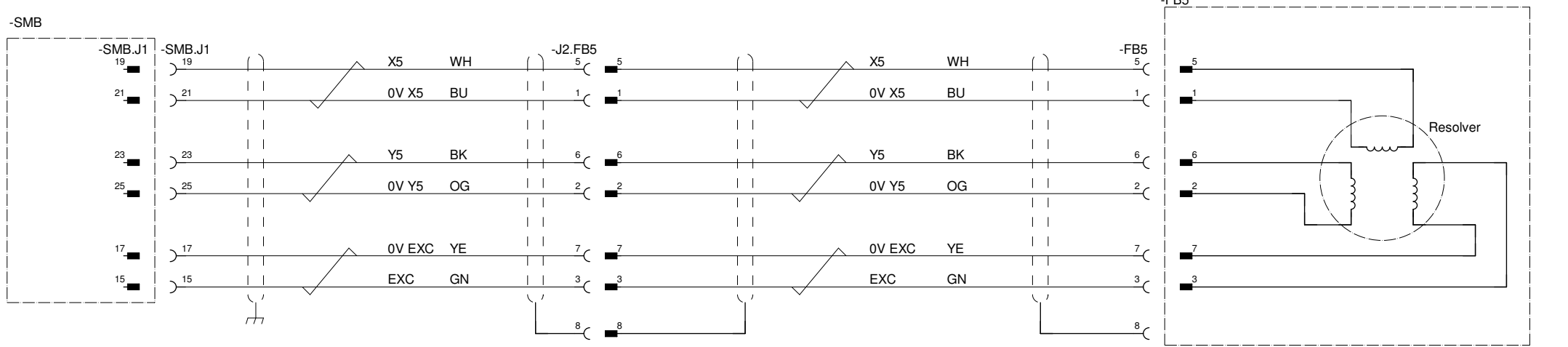
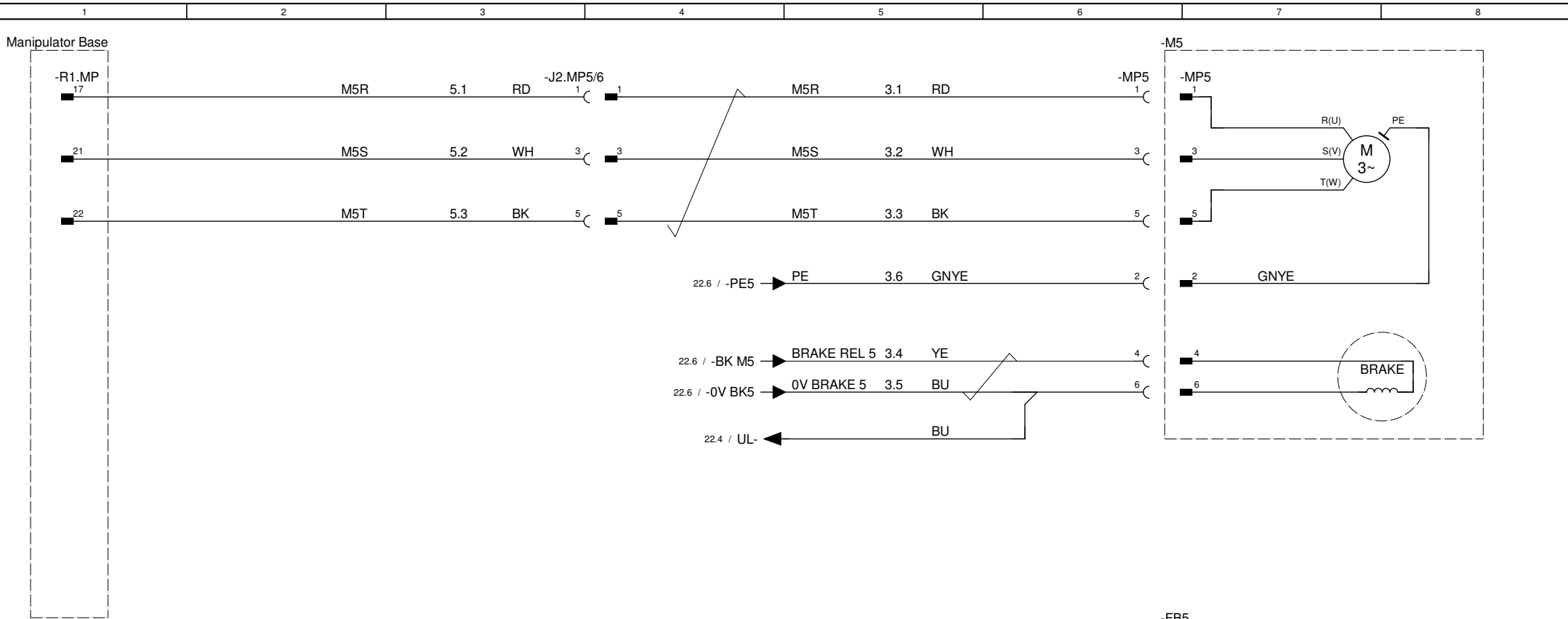
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 AXIS 4

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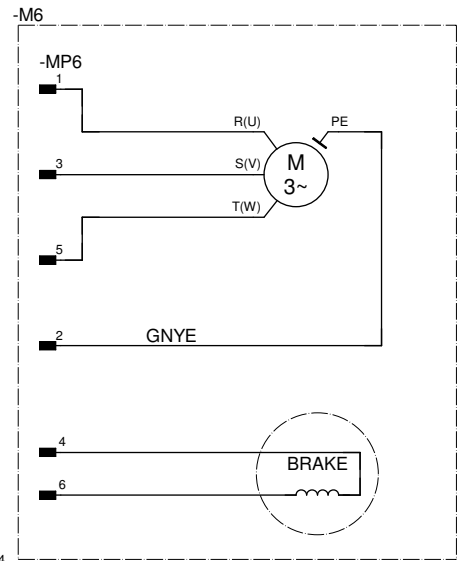
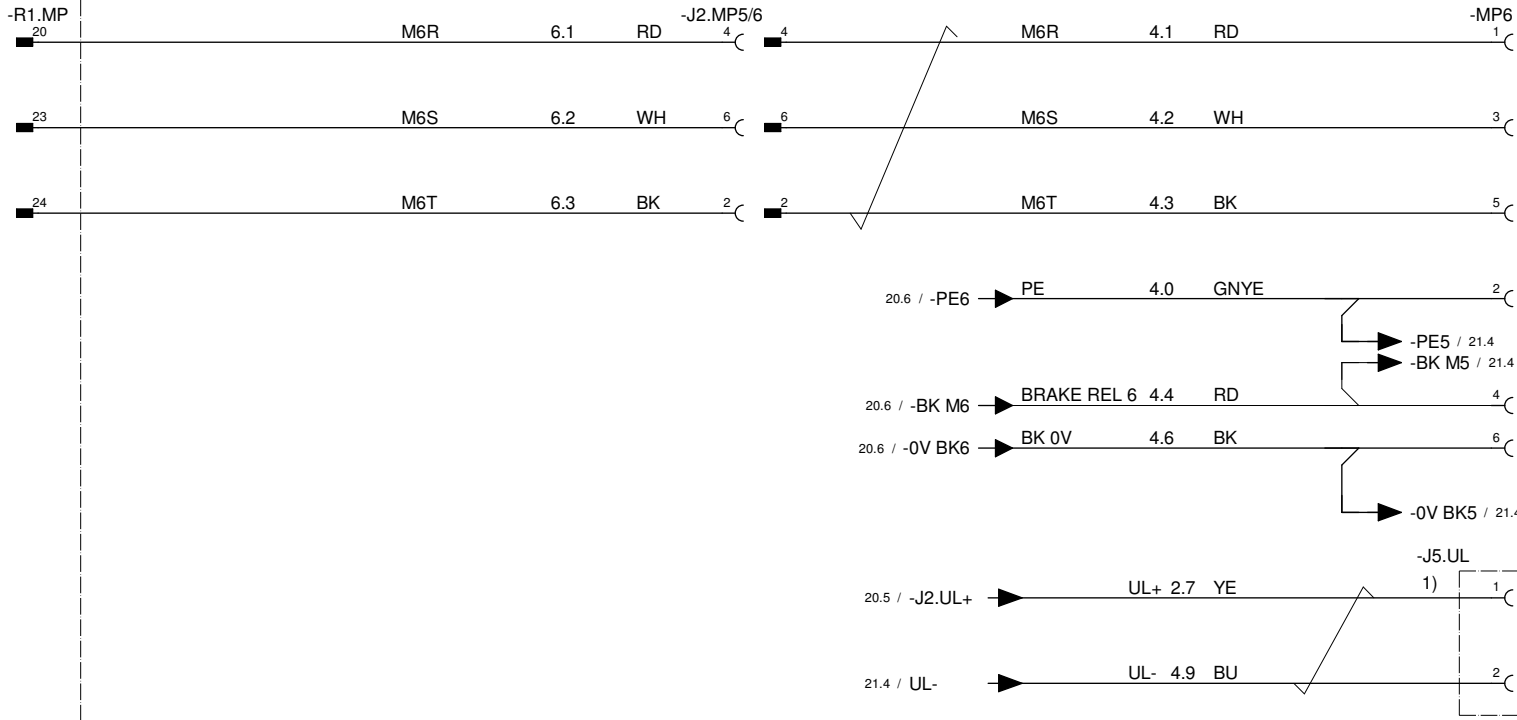
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AXIS 5

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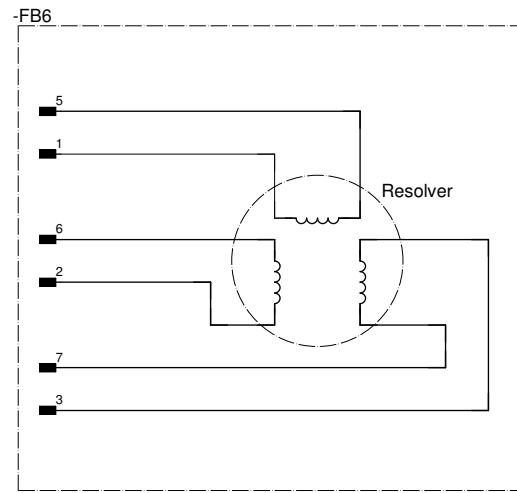
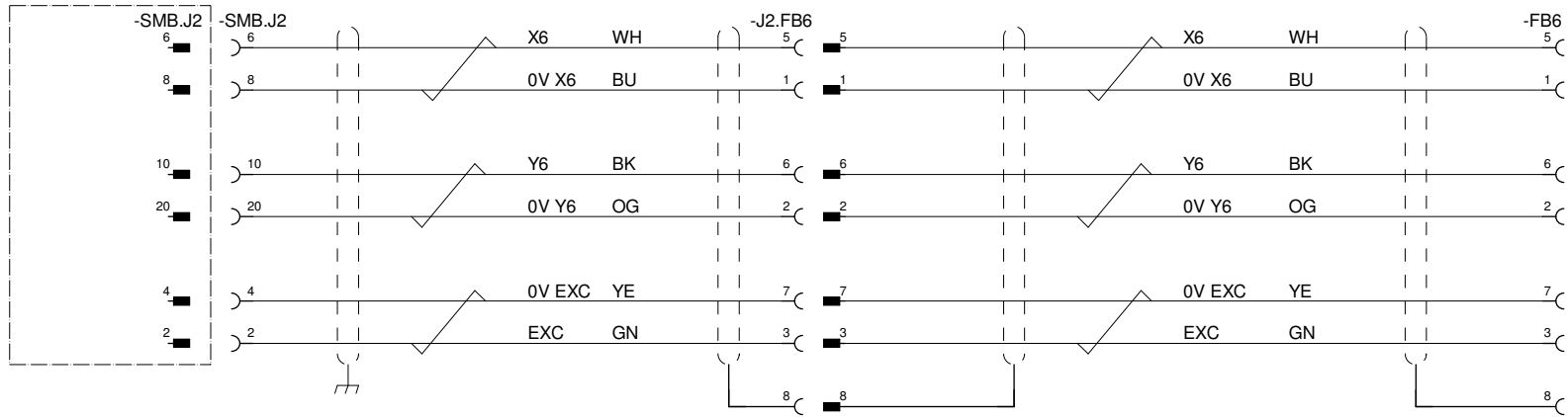
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Manipulator Base



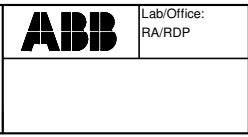
1) J5.UL is only reserved for UL lamp.

-SMB



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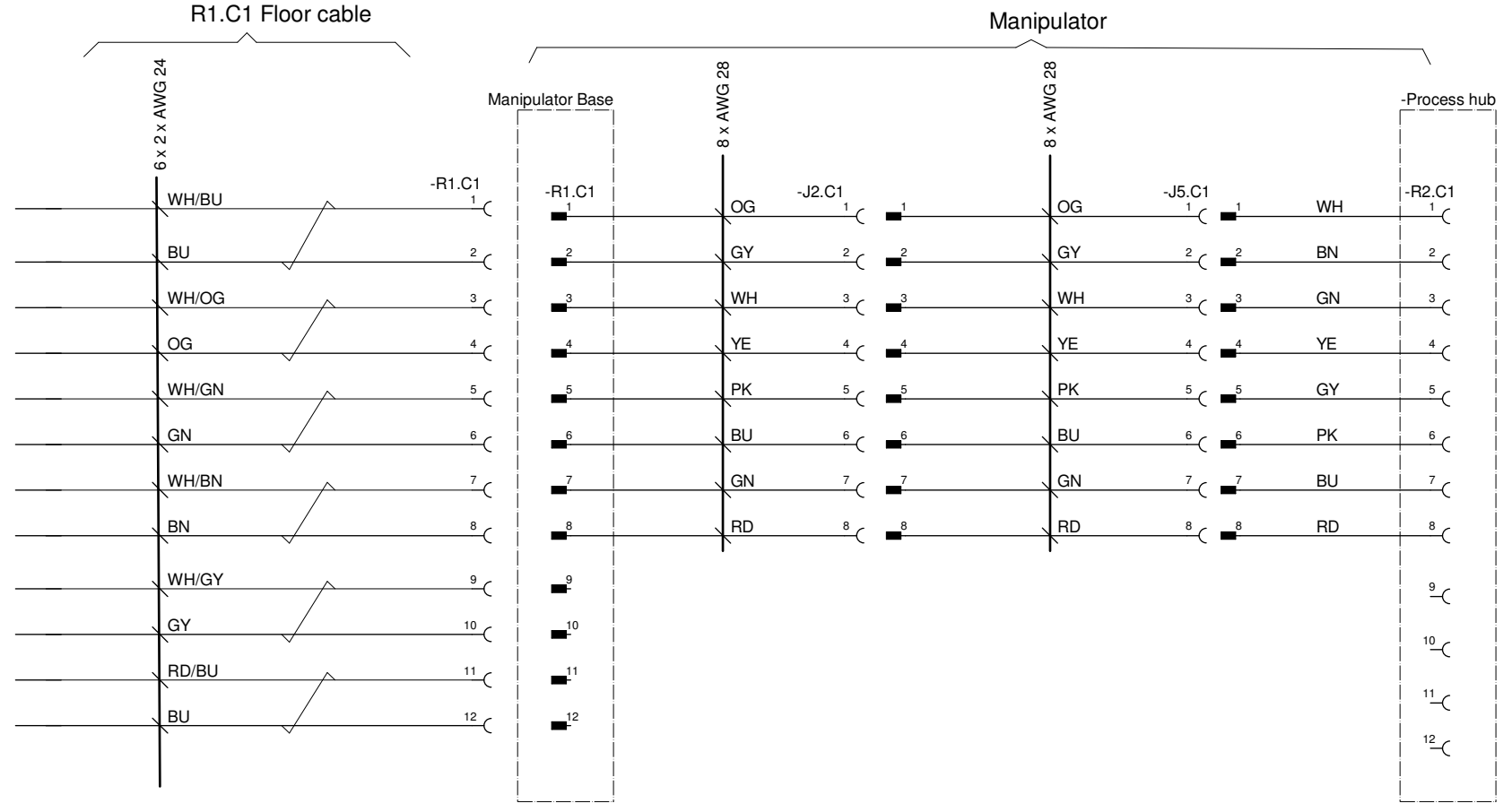
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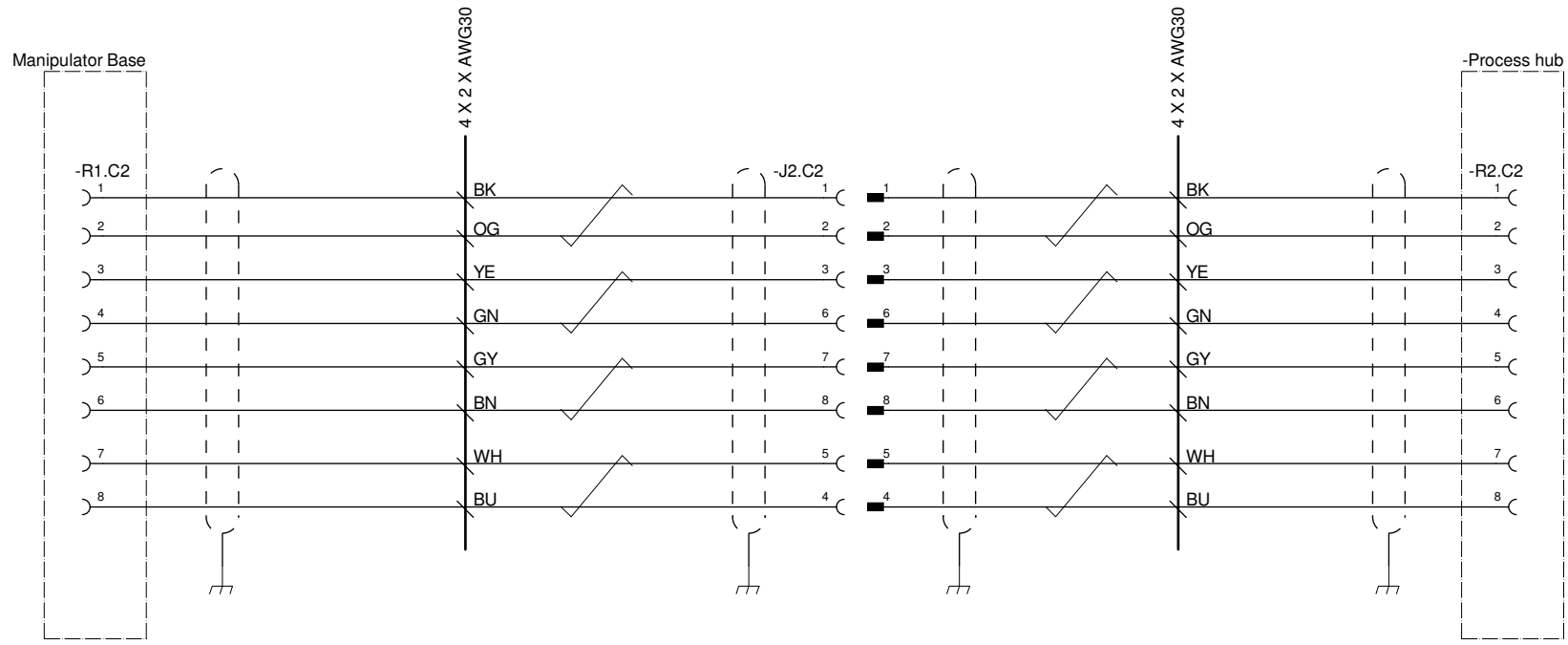
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 AXIS 6

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Free end wire



Note : 1) Maximum rating in each C1 wire: 30V, 1.5A. Stresses above the limitation may cause permanent damage to the manipulator.



Note : 1): Ethernet cable connecting instruction 3HAC063936-005
 2): Maximum rating in each C2 wire: 30V, 1A (when not using for Ethernet). Stresses above the limitation may cause permanent damage to the manipulator.

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