

The information in this document is subject to change without notice and should not be construed as a commitment by ABB. ABB assumes no responsibility for any errors that may appear in this document.

Except as may be expressly stated anywhere in this document, nothing herein shall be construed as any kind of guarantee or warranty by ABB for losses, damages to persons or property, fitness for a specific purpose or the like.

In no event shall ABB be liable for incidental or consequential damages arising from use of this document.

This document and parts thereof must not be reproduced or copied without ABB's written permission, and contents thereof must not be imparted to a third party nor be used for any unauthorized purpose. Contravention will be prosecuted.

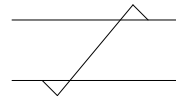
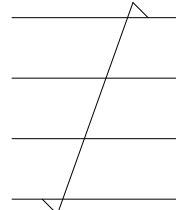
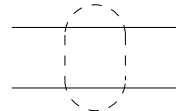
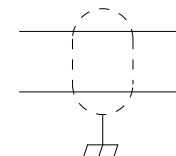
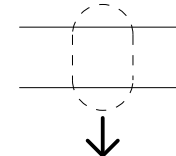
Additional copies of this document may be obtained from ABB at its then current charge.

© Copyright 2025 ABB ALL right reserved.

ABB

SE-721 68 Västerås
Sweden

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB

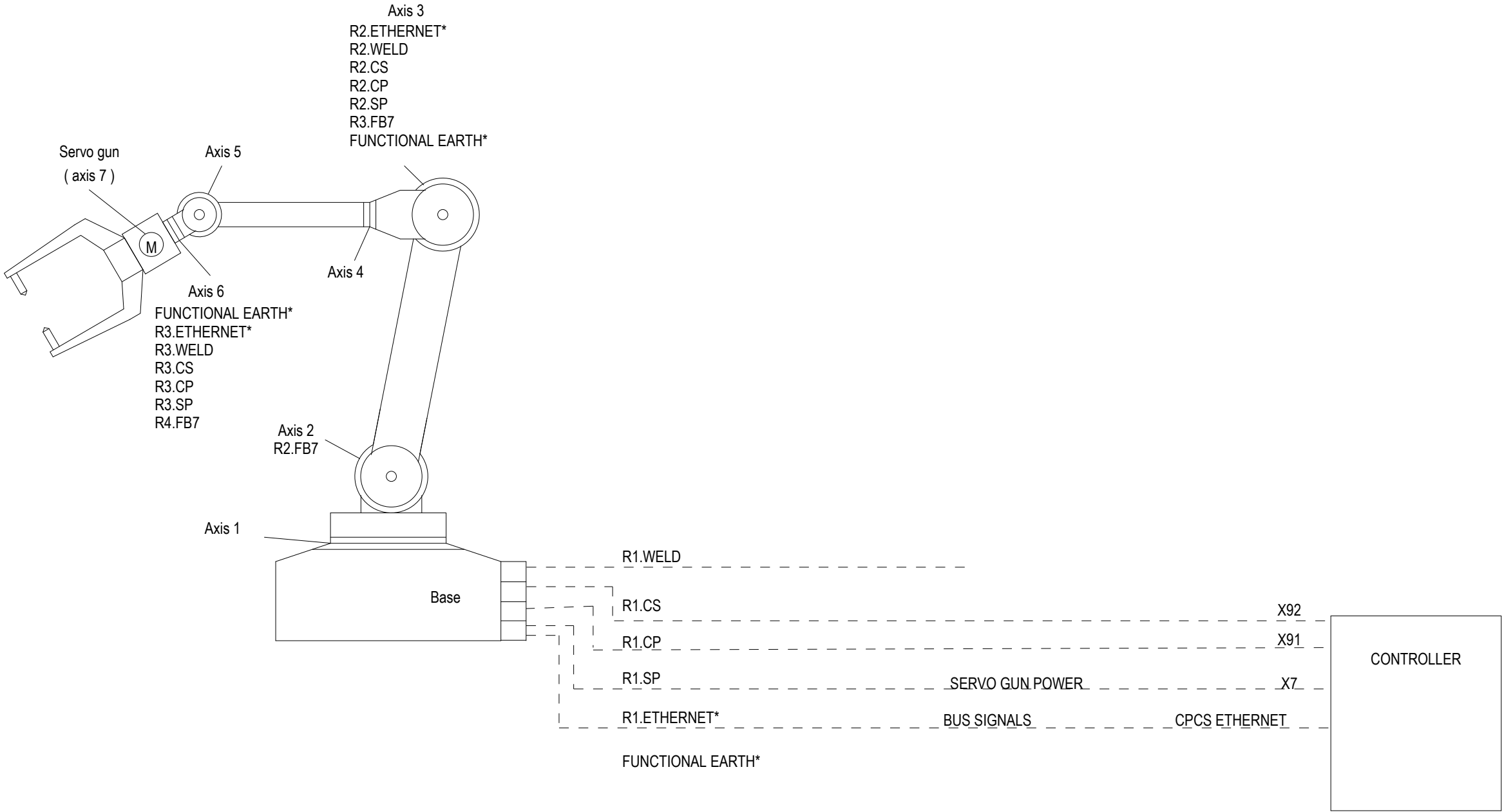
1	2	3	4	5	6	7	8		
	Paracom	Parallel Communication			Protective Earth (PE)				
	Paramulti	Parallel and Ethernet Communication							
	S	Welding with Pneumatic Gun			Twisted wires				
	Se	Welding with Servo Gun							
	H	Material Handling			Quad twined wires				
	HS	Material Handling and Pneumatic Gun							
	HSe	Material Handling and Servo Gun							
	FB	Motor Feedback Signal (7th axis)			Screened wires				
	SMB	Serial Measurment Board							
	CP	Customer Power			Screen is connected to earth				
	CS	Customer Signal							
	ETHERNET	Bus Signal, Ethernet			Screen connection continues on the next page				
	SP	Servo Gun Power							
	MH3	Harness between axis 3 and axis 6, without LeanID							
	MH	Harness between base and axis 3, harness between axis 3 and axis 6, with LeanID							
	SW	Harness between base and axis 3, harness between axis 3 and axis 6, with LeanID							
Latest revision: Rev. 01: ECO 500000136016 IRB67X0S added				Lab/Office: RDM2	IRB67XX, IRB67XXS Dresspack Legend	Status: Approved	Plant: Location: Sublocation:		
						Document no. 3HAC087933-001	Rev. Ind 01		
Prepared by, date: M Lindevall				Approved by, date: M Lövmemark 2025-03-03					Page 50 Next 51 Total 19

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB

BLOCK DIAGRAM TYPE Se (servo gun)
IRBDP SW
Controller, OmniCore V250XT: See circuit diagram, 3HAC074000-008

Dashed cables: See circuit diagram 3HAC074000-008

* Functional earth and ETHERNET exist only on the option EtherNet.

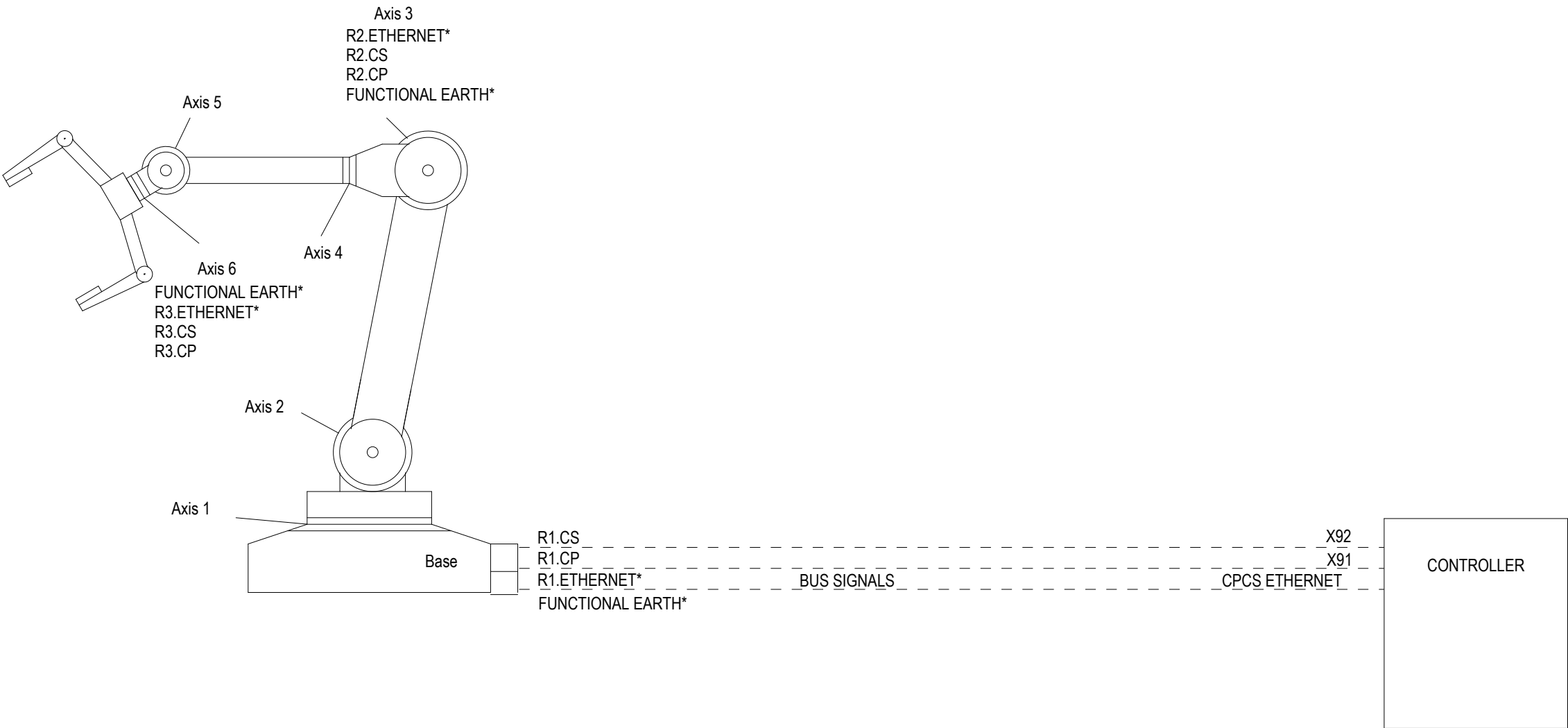


We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB

BLOCK DIAGRAM TYPE H (material handling)
IRBDP MH, MH3/MH
Controller, OmniCore V250XT: See circuit diagram, 3HAC074000-008

Dashed cables: See circuit diagram 3HAC074000-008

* Functional earth and ETHERNET exist only on the option EtherNet.



Latest revision:
Rev. 01: ECO 500000136016 IRB67X0S added



Lab/Office:
RDM2

IRB67XX, IRB67XXS Dresspack
BLOCK DIAGRAM -TYPE H

Status:
Approved

Plant: =
Location: +
Sublocation: +

Document no.
3HAC087933-001

Rev. Ind
01

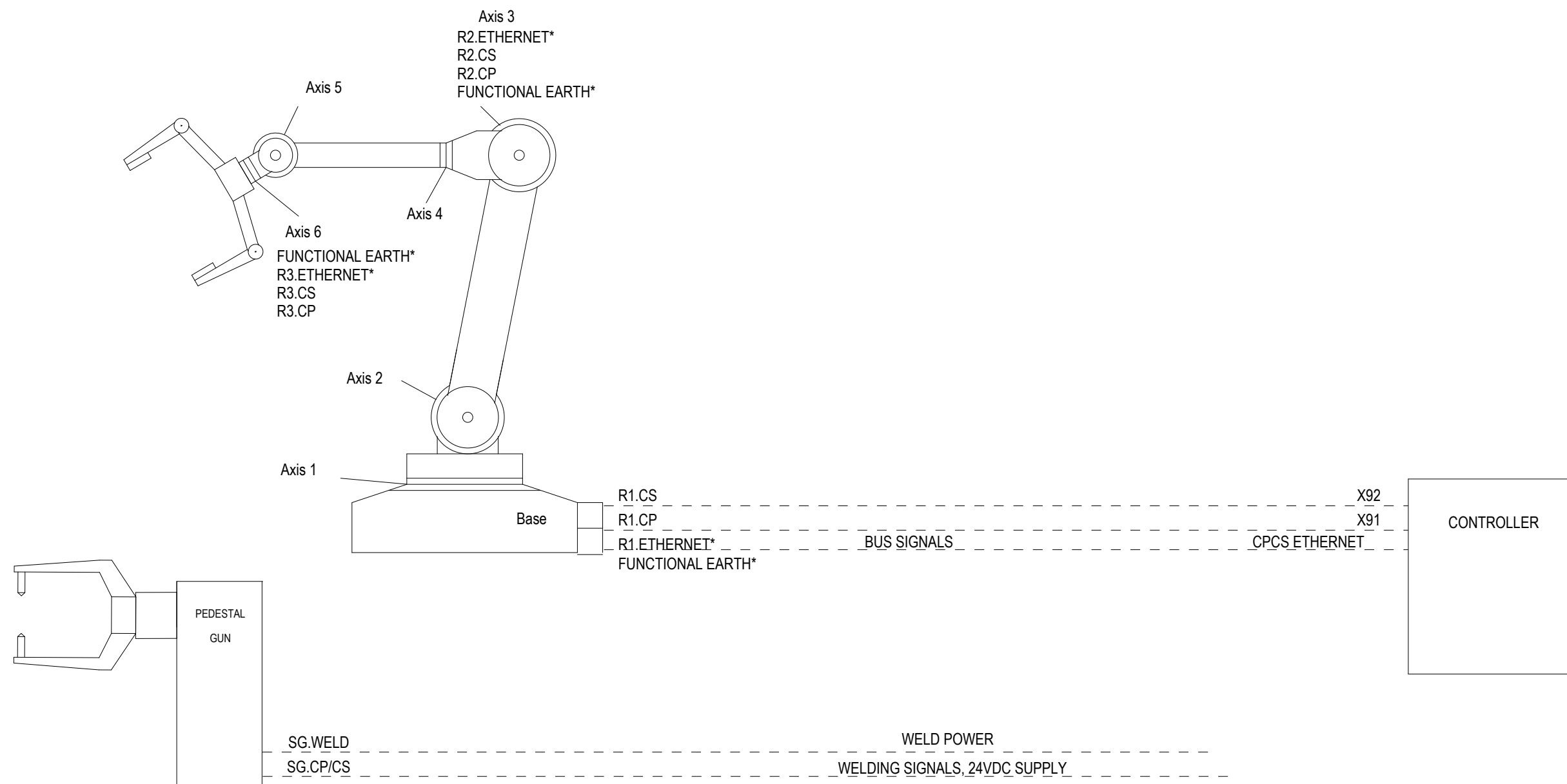
Page	52
Next	53
Total	19

Prepared by, date:	M Lindevall	Approved by, date:	M Lövmemark	2025-03-03
--------------------	-------------	--------------------	-------------	------------

BLOCK DIAGRAM TYPE HS (material handling and pneumatic gun)
IRBDP MH, MH3/MH
SController, OmniCore V250XT: See circuit diagram, 3HAC074000-008

Dashed cables: See circuit diagram 3HAC074000-008

* Functional earth and ETHERNET exist only on the option EtherNet.



Latest revision:
Rev. 01: ECO 500000136016 IRB67X0S added



Lab/Office:	RDM2
-------------	------

IRB67XX, IRB67XVS Dresspack
BLOCK DIAGRAM -TYPE HS

Status:	Approved
---------	----------

Plant:	=
Location:	+
Sublocation:	+

Document no.
3HAC087933-001

Rev. Ind	01
----------	----

Page	53
Next	54
Total	19

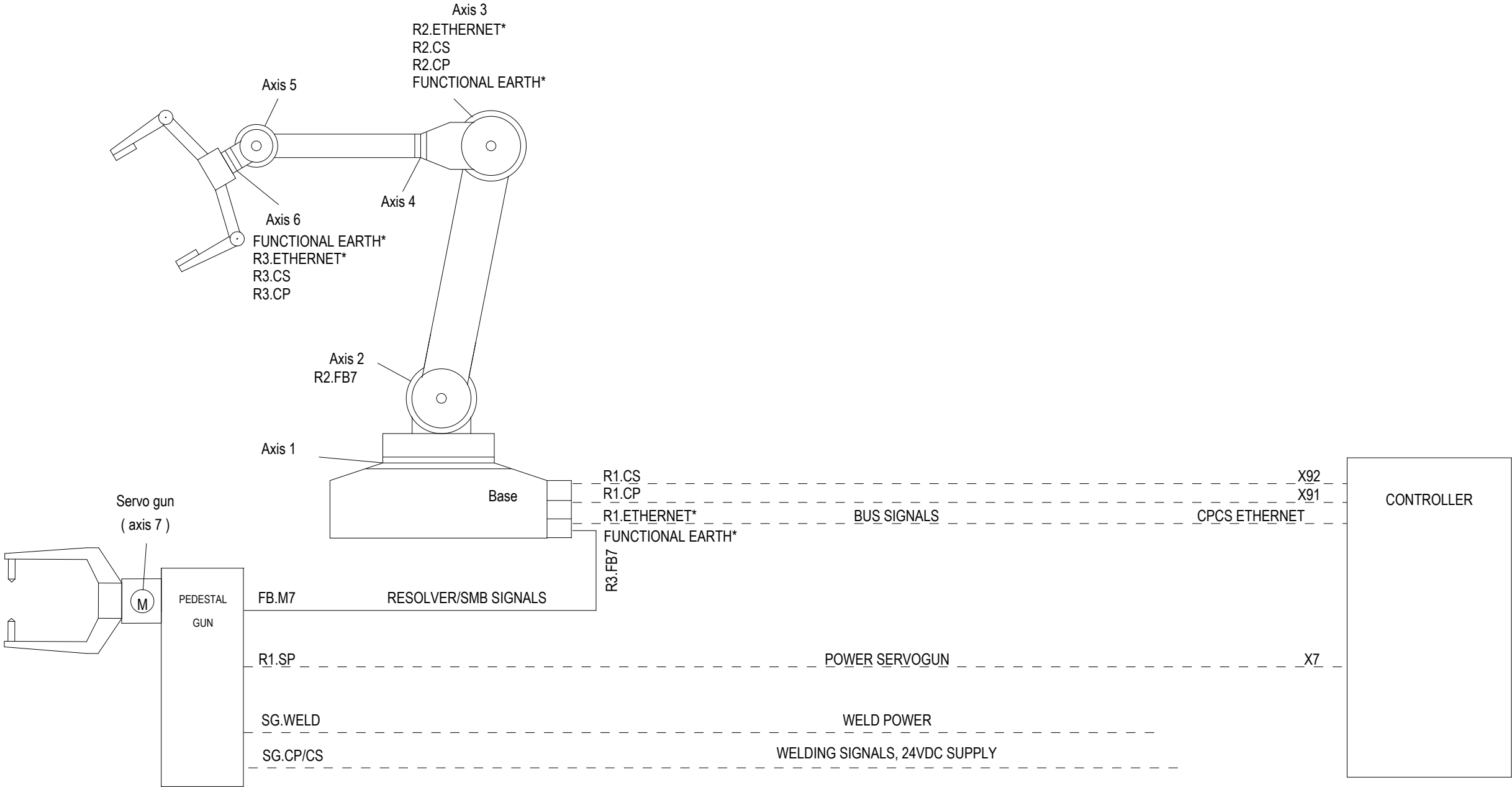
Prepared by, date:	M Lindevall	Approved by, date:	M Lövmemark	2025-03-03
--------------------	-------------	--------------------	-------------	------------

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB

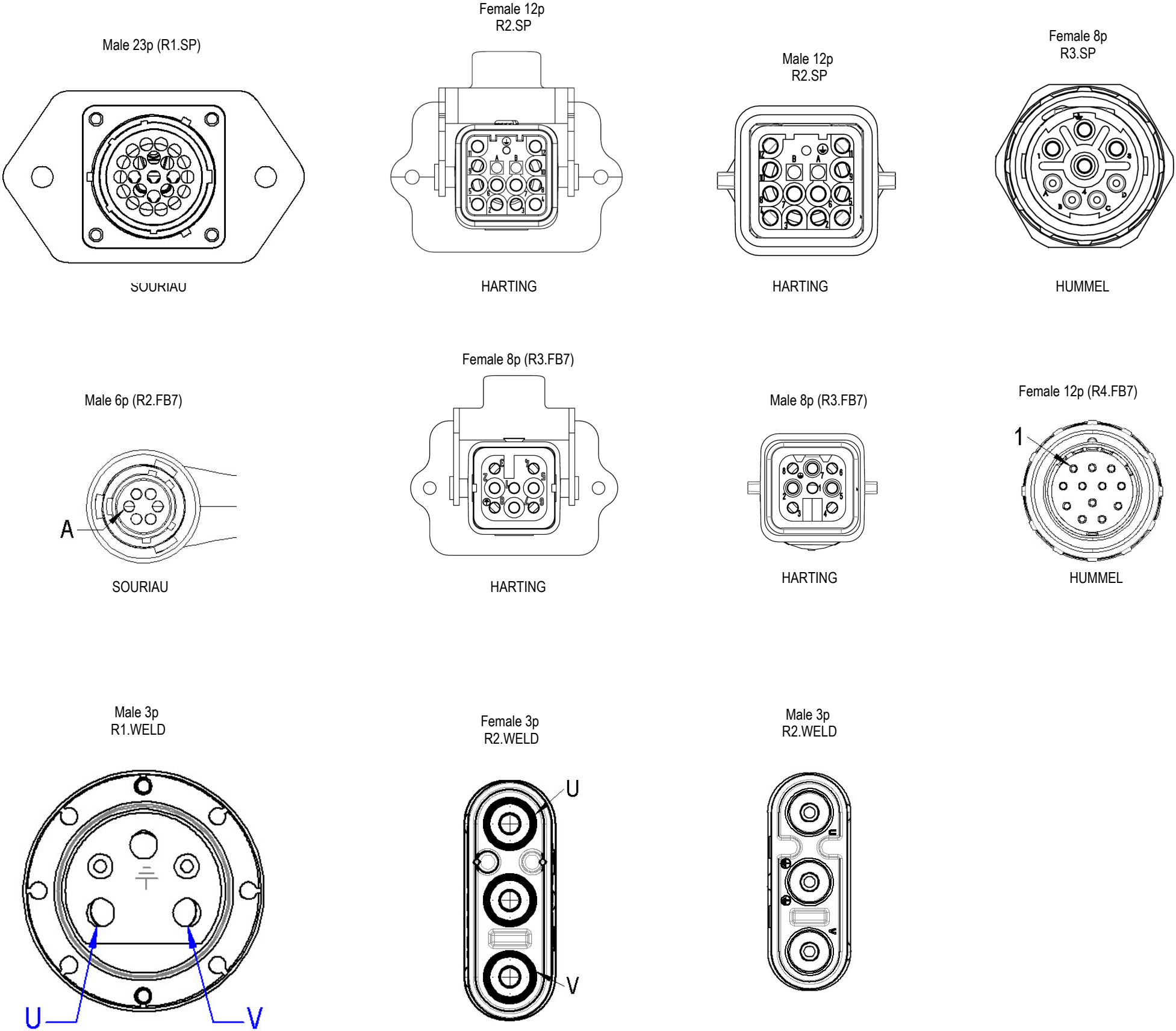
BLOCK DIAGRAM TYPE HSe (material handling and servo gun)
IRBDP MH, MH3/MH
Controller, OmniCore V250XT: See circuit diagram, 3HAC074000-008

Dashed cables: See circuit diagram 3HAC074000-008

* Functional earth and ETHERNET exist only on the option EtherNet.



BLOCK DIAGRAM TYPE Se/S



Latest revision:
Rev. 01: ECO 500000136016 IRB67X0S added

Prepared by, date: M Lindevall
Approved by, date: M Lövmemark 2025-03-03



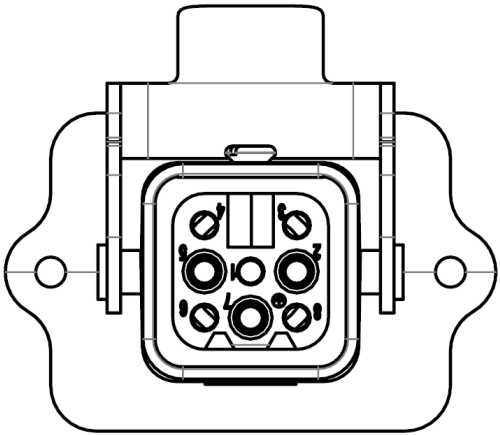
Lab/Office:
RDM2
IRB67XX, IRB67XXS Dresspack
CONNECTOR LAYOUT

Status:	Approved	Plant:	=
		Location:	+
		Sublocation:	+
Document no.	3HAC087933-001	Rev. Ind	01
		Page	55
		Next	56
		Total	19

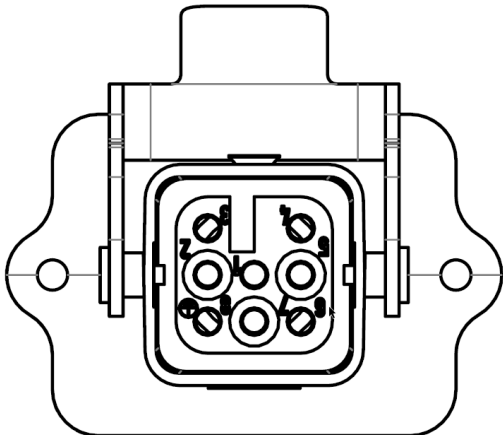
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB

BLOCK DIAGRAM TYPE S/H

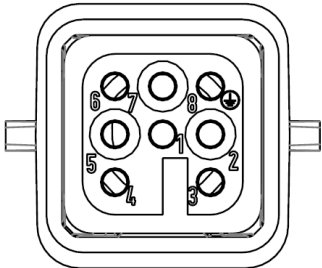
Male 8p (R1.CS)



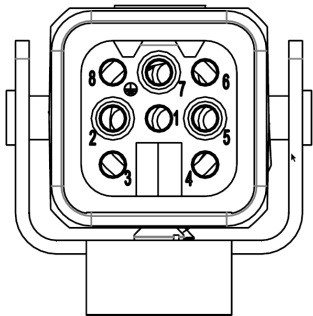
Female 8p (R2.CS)



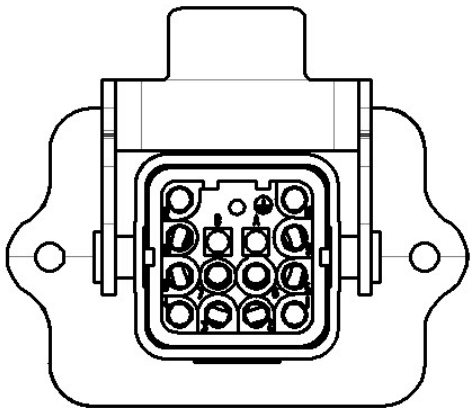
Male 8p (R2.CS)



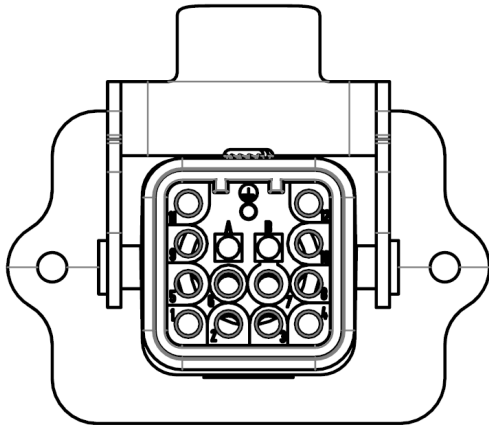
Female 8p (R3.CS)



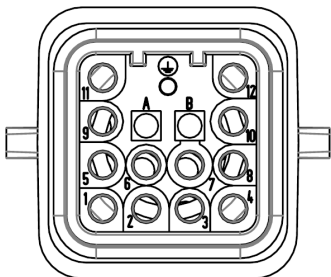
Male 12p (R1.CP)



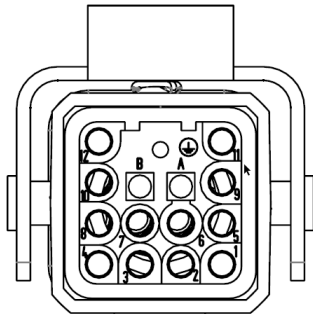
Female 12p (R2.CP)



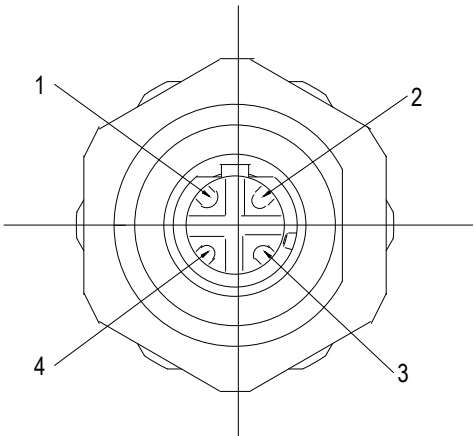
Male 12p (R2.CP)



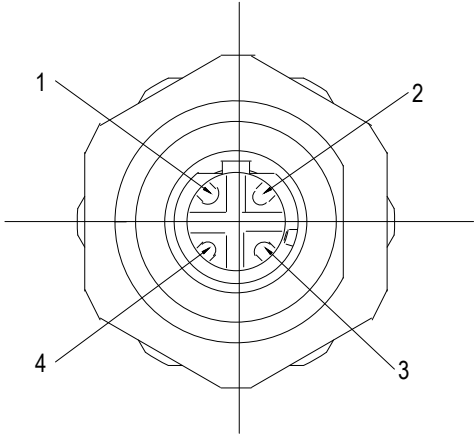
Female 12p (R3.CP)



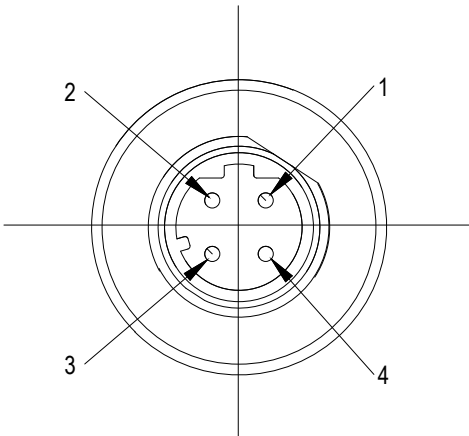
Female 4p
R1.ETHERNET
R2.ETHERNET



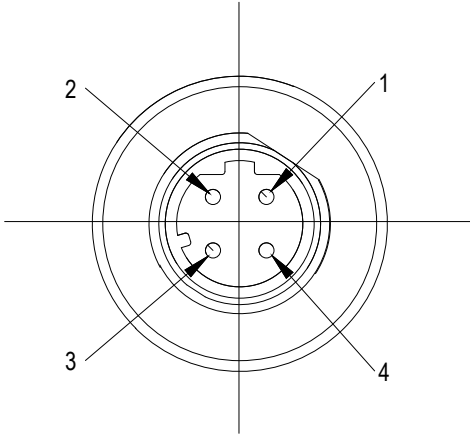
Female 4p
R1.ETHERNET
R2.ETHERNET



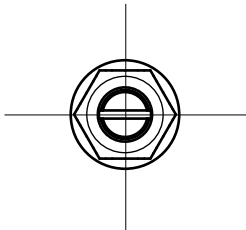
Male 4p
R2.ETHERNET
R3.ETHERNET



Male 4p
R2.ETHERNET
R3.ETHERNET



FUNCTIONAL EARTH



Latest revision:
Rev. 01: ECO 500000136016 IRB67X0S added

Prepared by, date: M Lindevall
Approved by, date: M Lövmemark 2025-03-03



Lab/Office:
RDM2
IRB67XX, IRB67XXS Dresspack
CONNECTOR LAYOUT

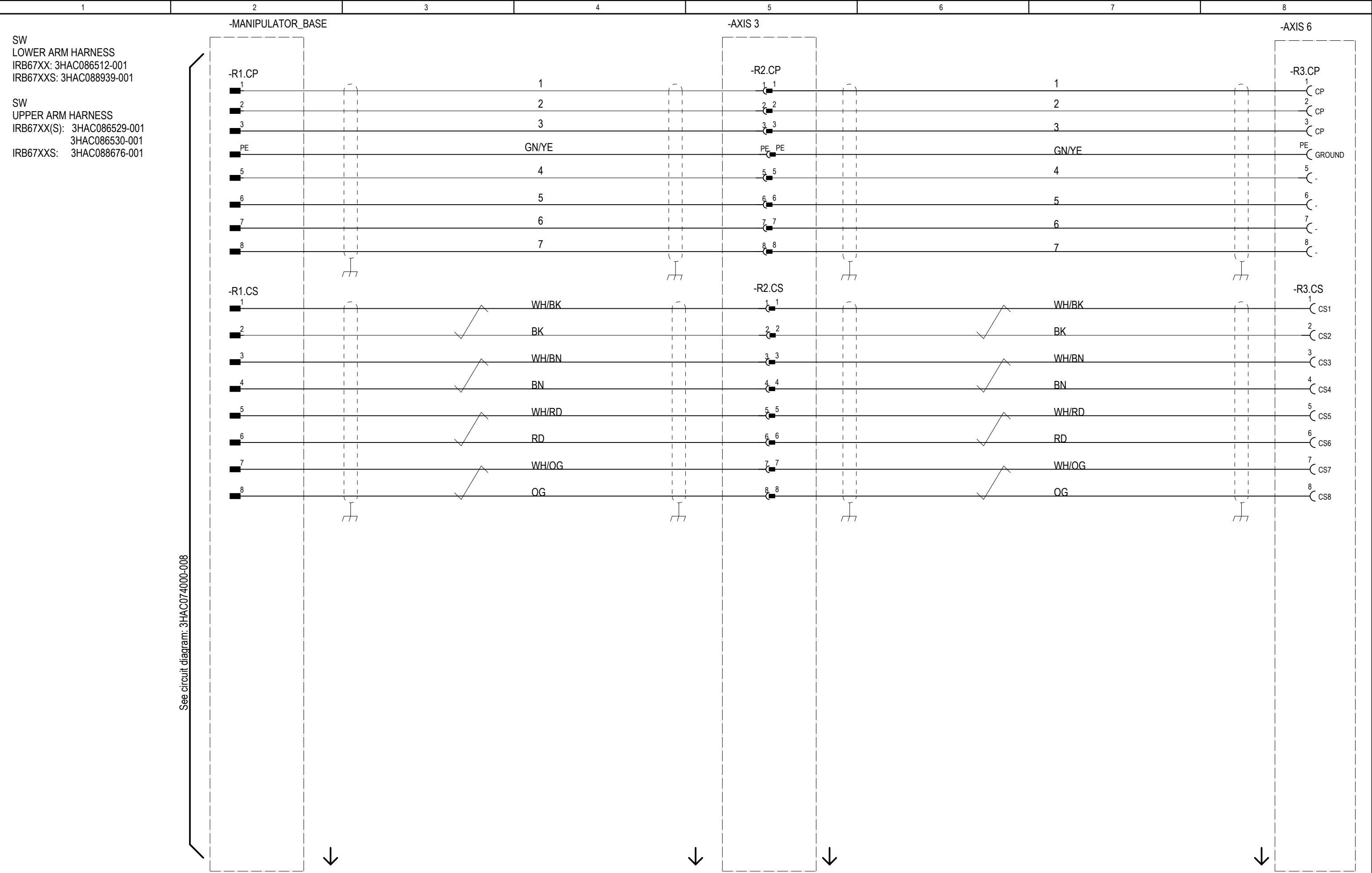
Status:
Approved

Plant: =
Location: +
Sublocation: +

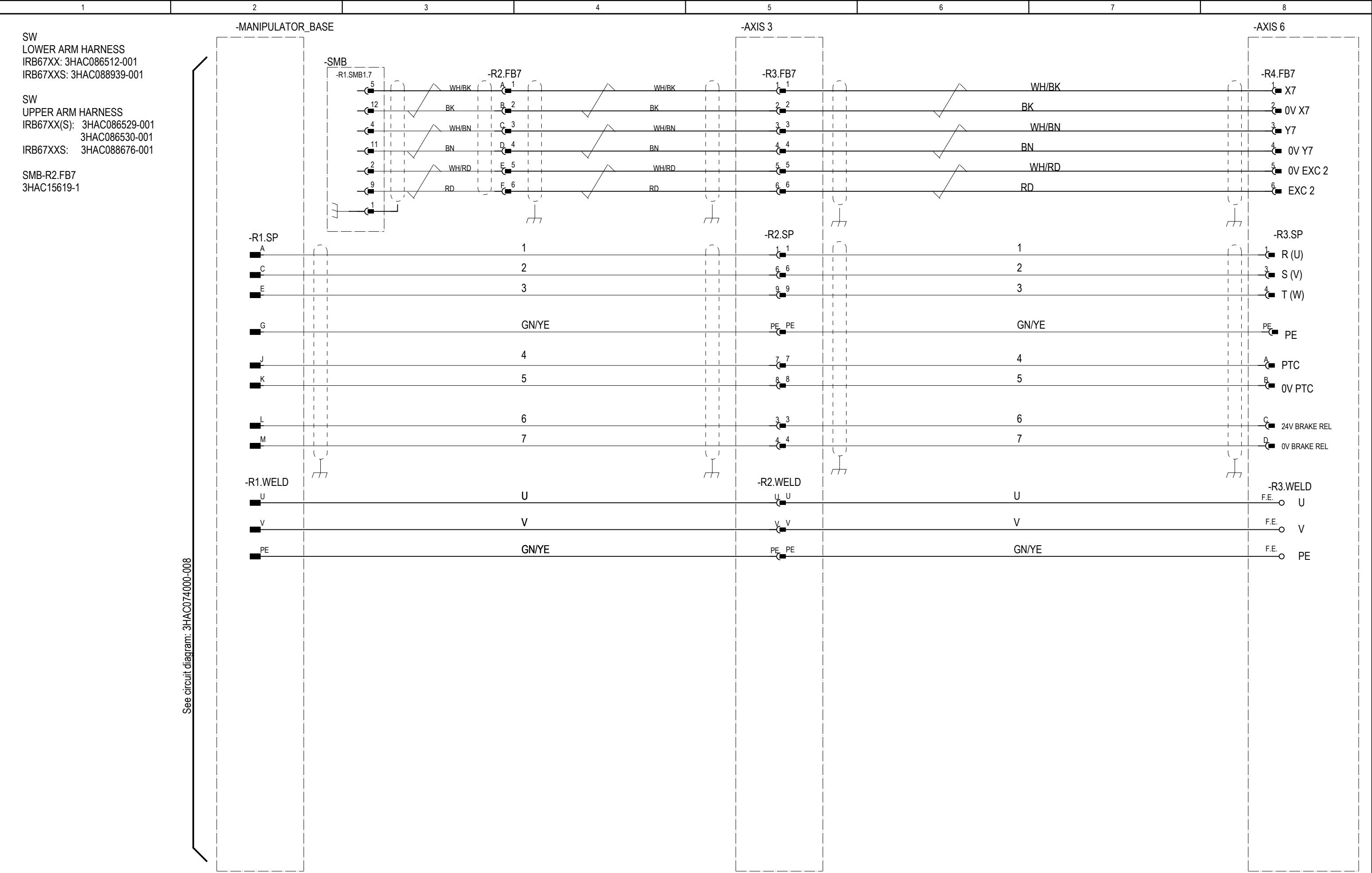
Document no.
3HAC087933-001

Rev. Ind	Page
01	56
	Next 105
	Total 19

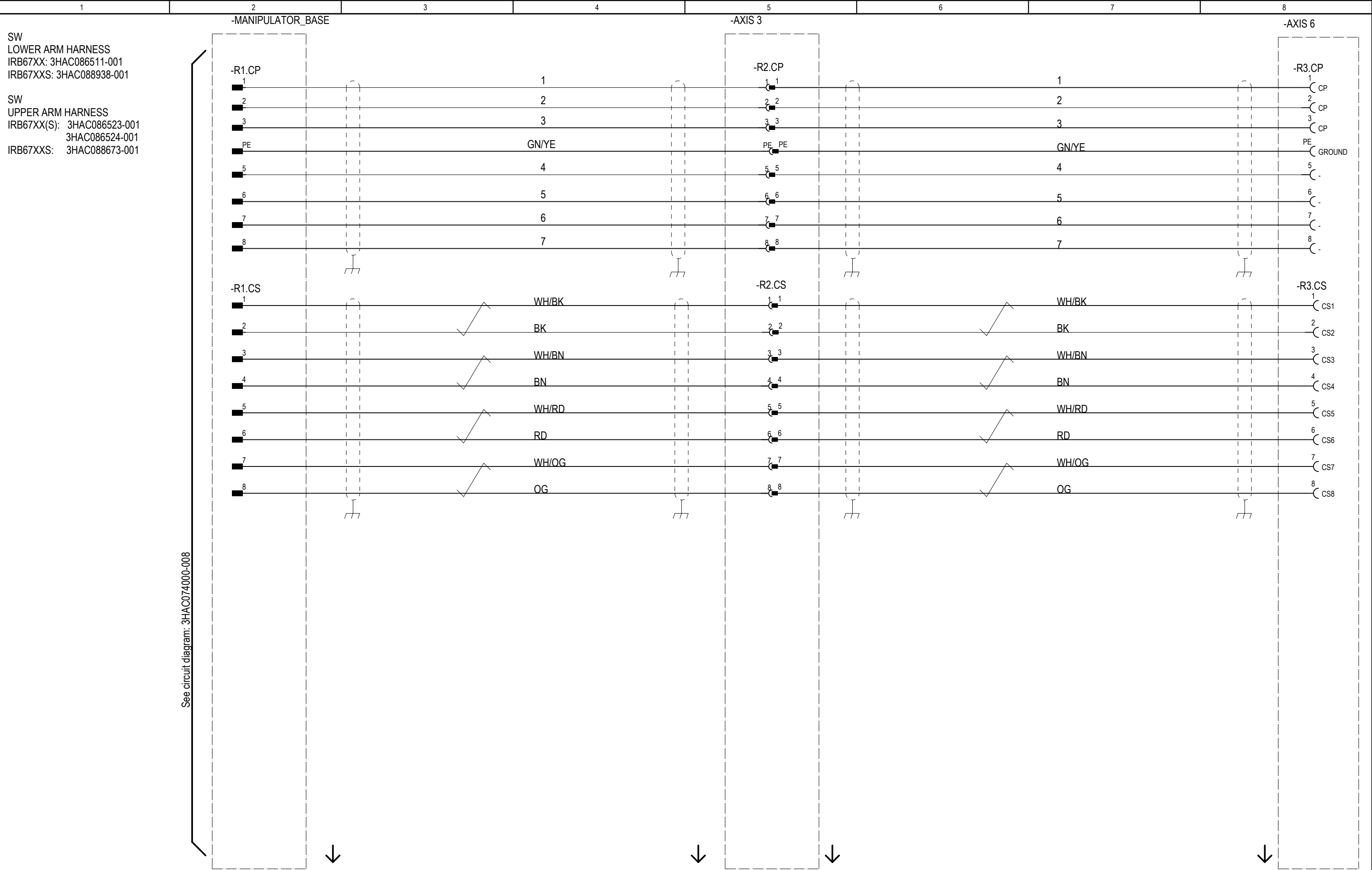
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB

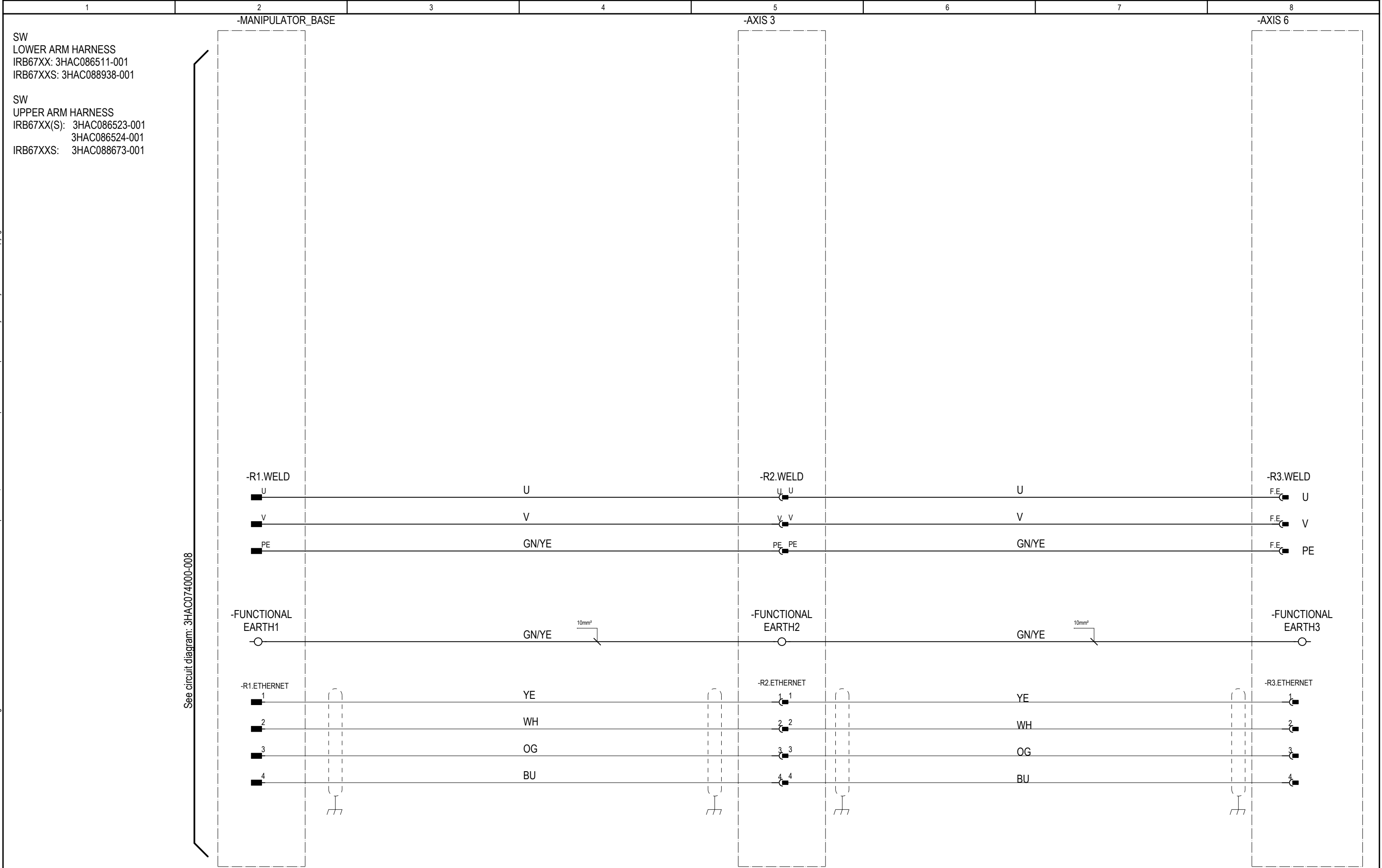


We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB



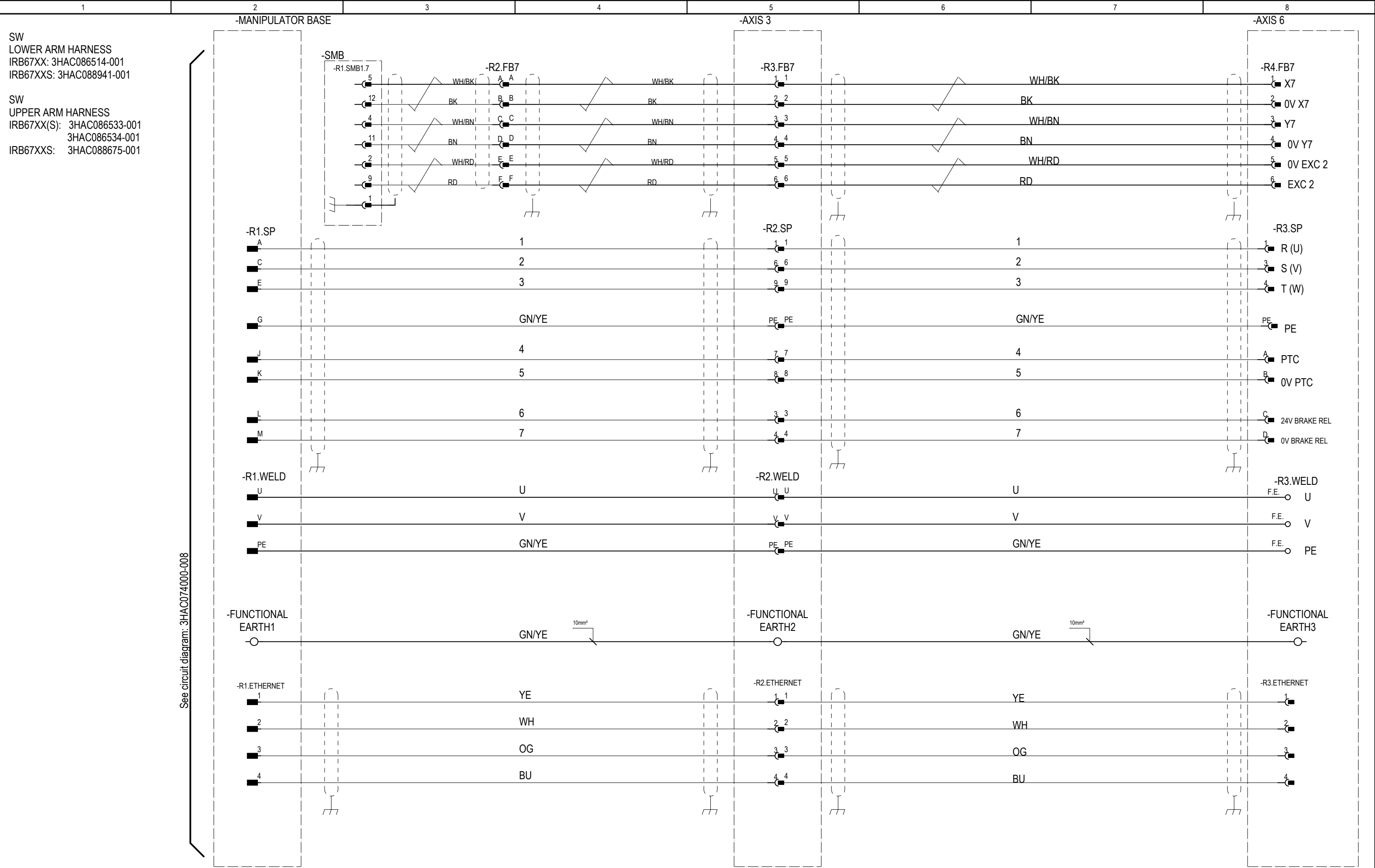
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB





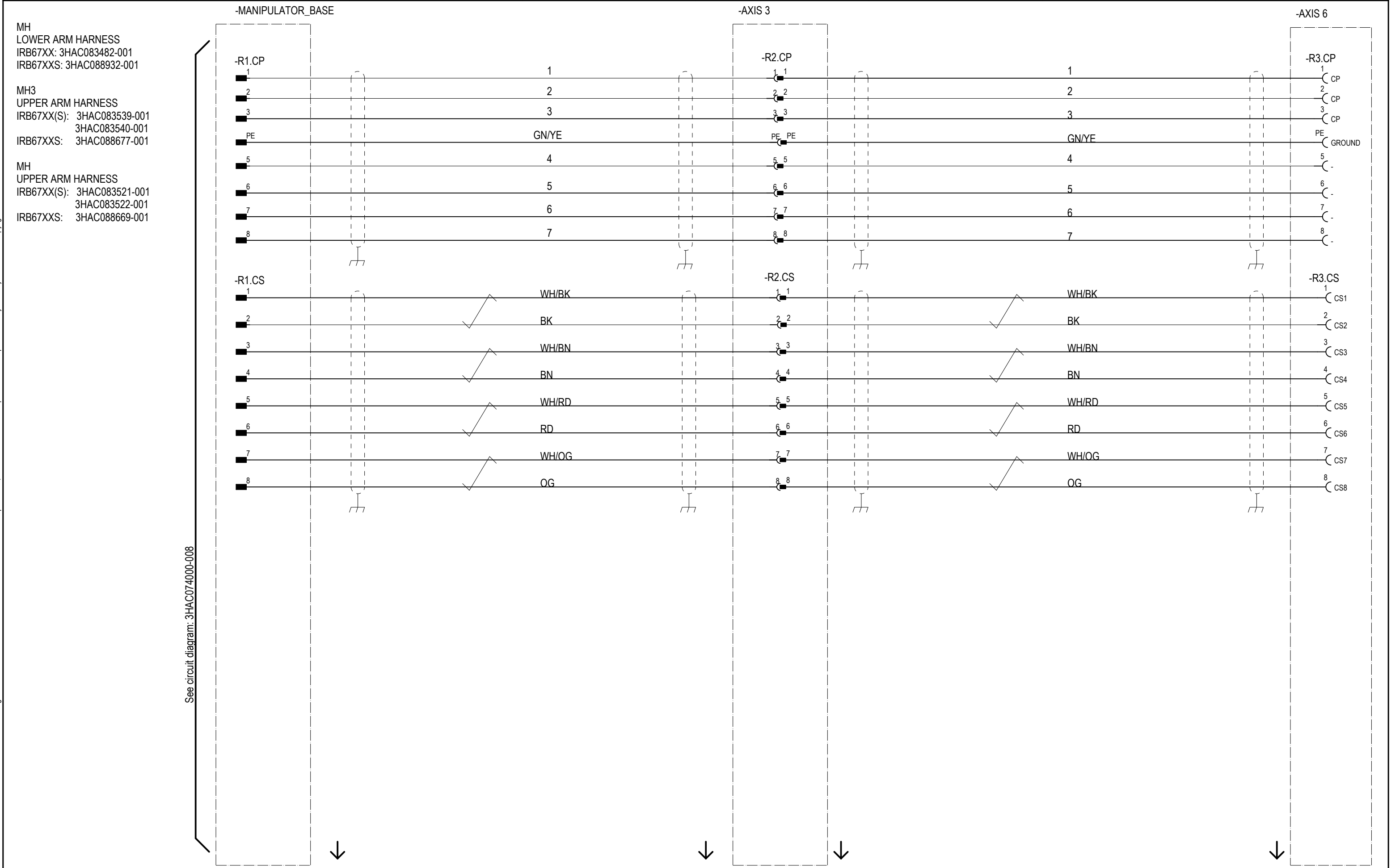
See circuit diagram: 3HAC074000-008

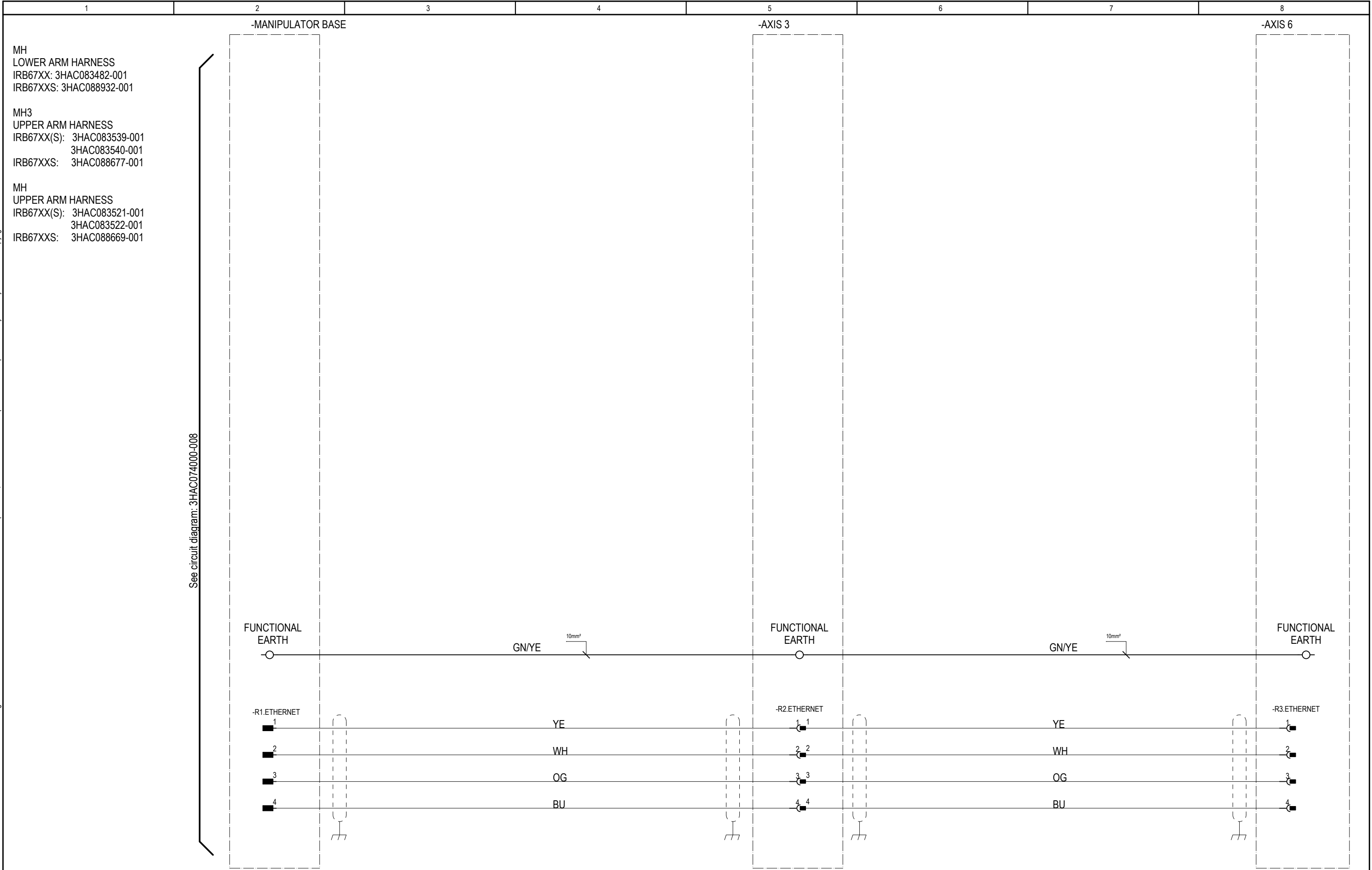
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB





Latest revision: Rev. 01: ECO 500000136016 IRB67X0S added			Lab/Office: RDM2	IRB67XX, IRB67XXS Dresspack PARACOM MH3 & MH6	Status: Approved	Plant: = Location: + Sublocation: +	
					Document no. 3HAC087933-001	Rev. Ind 01	Page 200 Next 220 Total 19
Prepared by, date: M Lindevall	Approved by, date: M Lövmemark 2025-03-03						





RESOLVER SIGNALS
CABLE FB7-SMB 1.7
3HAC15619-1

CABLE SIGNAL AX 7
3HAC083015-001

