

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 2024 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

Latest revision: ECO 500000131589 New		 Lab/Office: RA/RDP	CIRCUIT DIAGRAM IRP A COPYRIGHT PAGE	Status: Approved	Plant: = Location: + Sublocation: +						
Prepared by, date: J POKORNÁ 240517	Approved by, date: P SVOBODA 240517		Document no. 3HAC091012-004	Rev. Ind 00	<table border="1"> <tr><td>Page</td><td>1</td></tr> <tr><td>Next</td><td>2</td></tr> <tr><td>Total</td><td>10</td></tr> </table>	Page	1	Next	2	Total	10
Page	1										
Next	2										
Total	10										

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

TABLE OF CONTENTS

PAGE	PAGE DESCRIPTION	Date	Edited by
1	COPYRIGHT PAGE	2024-05-17	J POKORNA
2	TABLE OF CONTENTS	2024-05-17	J POKORNA
3	Valid for	2024-05-17	J POKORNA
4	Legend	2024-05-17	J POKORNA
5	BLOCK DIAGRAM IRP TYPE A	2024-05-17	J POKORNA
10	MOTORS, STATION 1	2024-05-17	J POKORNA
20	MOTORS, STATION 2	2024-05-17	J POKORNA
30	RESOLVERS	2024-05-17	J POKORNA
40	OPTION SLIPRING DEVICE, STATION 1	2024-05-17	J POKORNA
50	OPTION SLIPRING DEVICE, STATION 2	2024-05-17	J POKORNA

Valid for:
 3HAC087040-001 Cable harness MTD, Complete 3,3 m
 3HAC087042-001 Cable set int. IRP A/B 6,3 m
 3HAC035339-001 Cable slipring WCP1/WCP2
 3HAC035370-001 Cable slipring WCS1/WCS2
 3HAC035708-001 Cable WCP3/WCP4.L=2m
 3HAC035881-001 Cable slipring WCS3/WCS4
 3HAC032972-002 Slip ring capsule

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: ECO 500000131589 New			Lab/Office: RA/RDP	CIRCUIT DIAGRAM IRP A Valid for	Status: Approved	Plant: = Location: + Sublocation: +	Document no. 3HAC091012-004	Rev. Ind 00	Page 3 Next 4 Total 10
Prepared by, date: J POKORNÁ 240517	Approved by, date: P SVOBODA 240517								

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

M	Motor			Functional Earth
B	Brake			Twisted wires
MCB	Multi connection box			Screened wires
R	Resolver			Resistor
				Diode

Latest revision:
ECO 500000131589
New

Prepared by, date: J POKORNÁ 240517 Approved by, date: P SVOBODA 240517

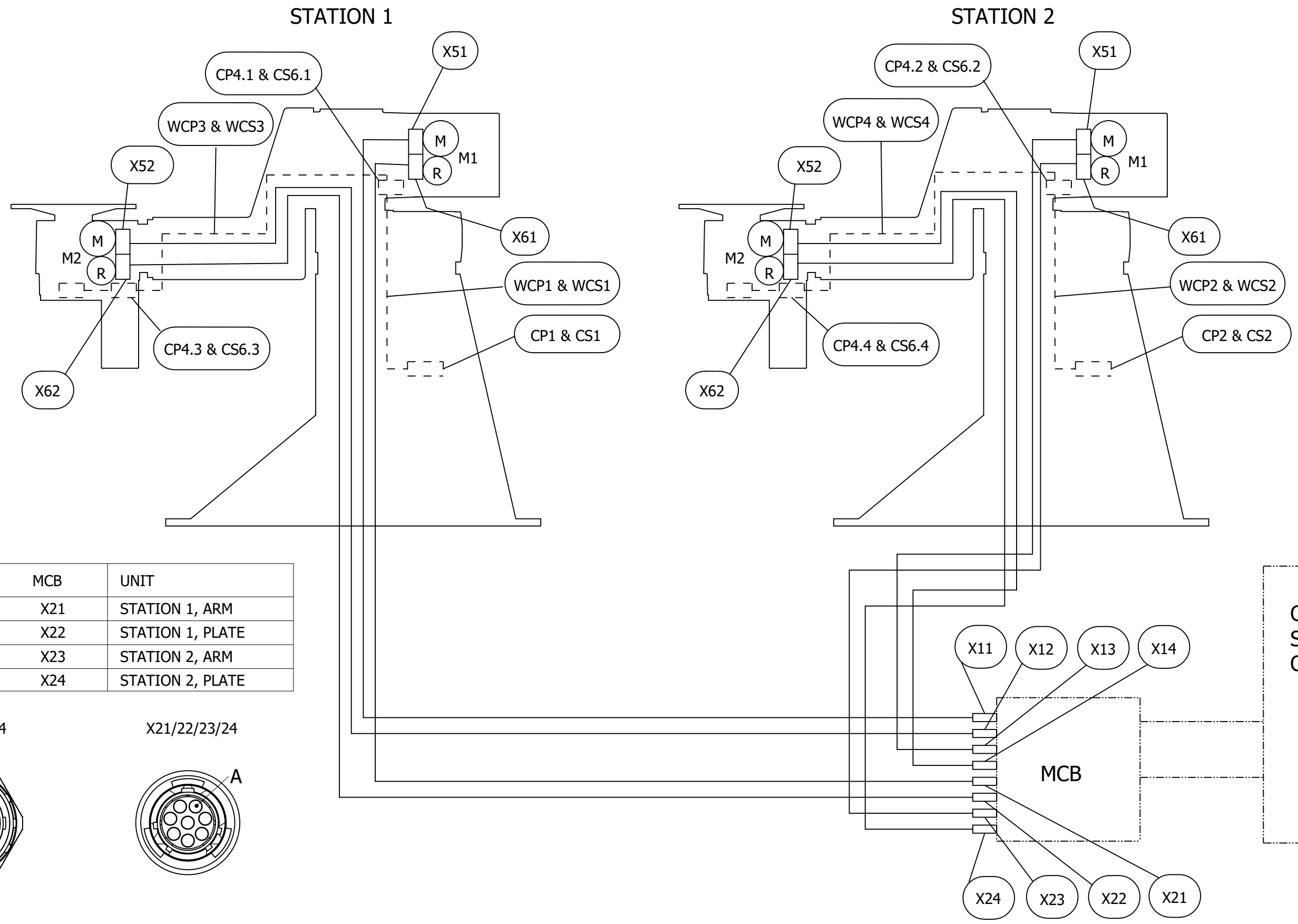


Lab/Office:
RA/RDP

CIRCUIT DIAGRAM IRP A
Legend

Status: Approved	Plant: = Location: + Sublocation: +	Rev. Ind 00	Page 4 Next 5 Total 10
Document no. 3HAC091012-004			

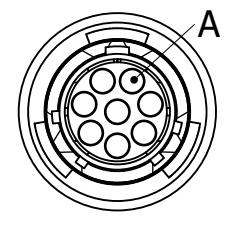
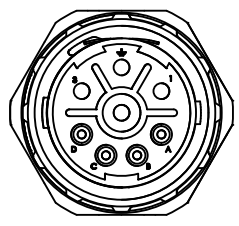
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright ABB



MOTOR No.	MCB	UNIT
M1	X21	STATION 1, ARM
M2	X22	STATION 1, PLATE
M1	X23	STATION 2, ARM
M2	X24	STATION 2, PLATE

X11/12/13/14

X21/22/23/24



Latest revision:
ECO 500000131589
New

Prepared by, date: J POKORNÁ 240517
Approved by, date: P SVOBODA 240517

ABB Lab/Office:
RA/RDP

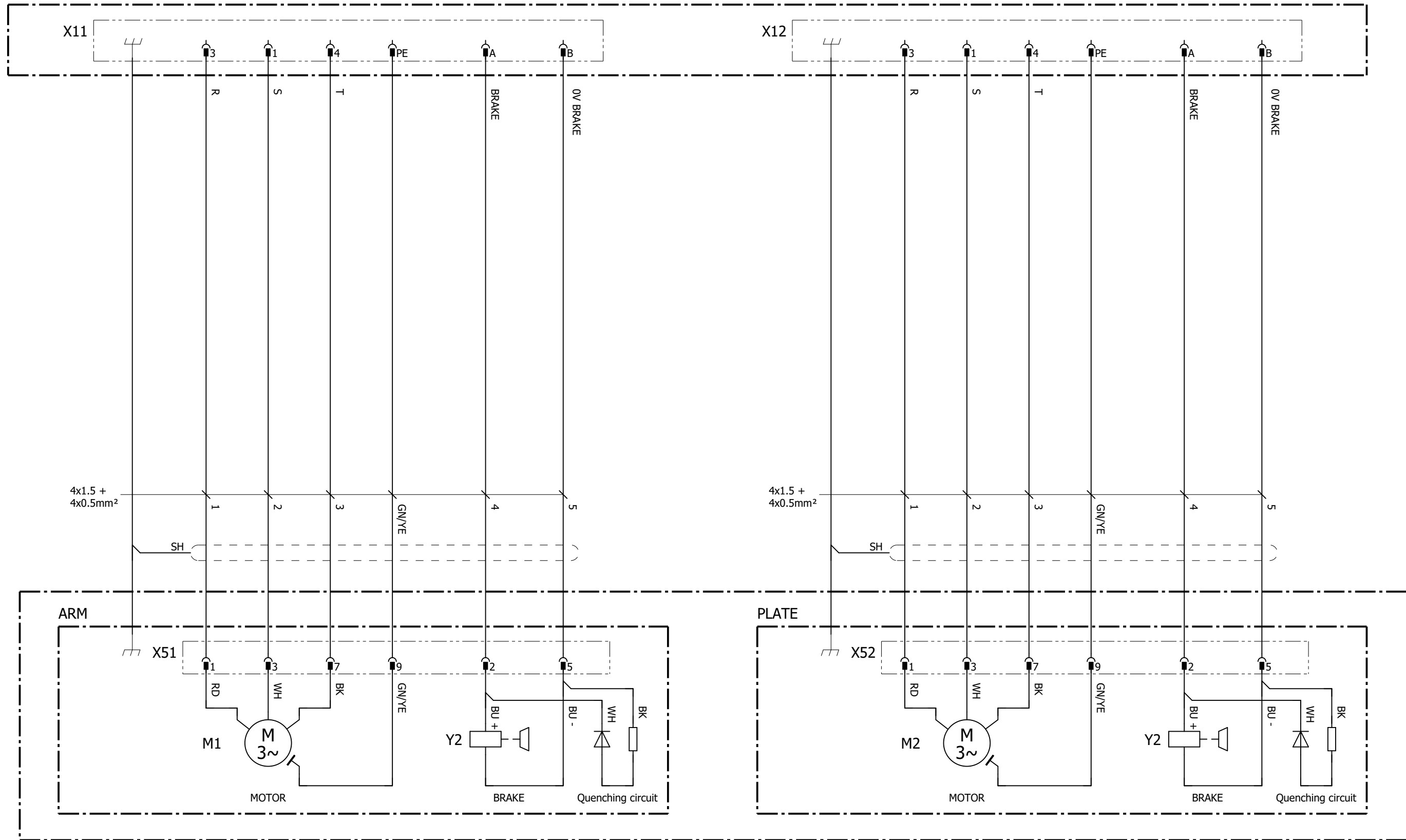
CIRCUIT DIAGRAM IRP A
BLOCK DIAGRAM IRP TYPE A

Status: Approved
Plant: =
Location: +
Sublocation: +

Document no. 3HAC091012-004
Rev. Ind 00
Page 5
Next 10
Total 10

SEE ELECTRICAL DRAWINGS FOR MCB 3HAC088150-001

MCB



STATION 1

Latest revision:
ECO 500000131589
New



Lab/Office:
RA/RDP

CIRCUIT DIAGRAM IRP A
MOTORS, STATION 1

Status:
Approved

Plant: =
Location: +
Sublocation: +

Prepared by, date: J POKORNÁ 240517

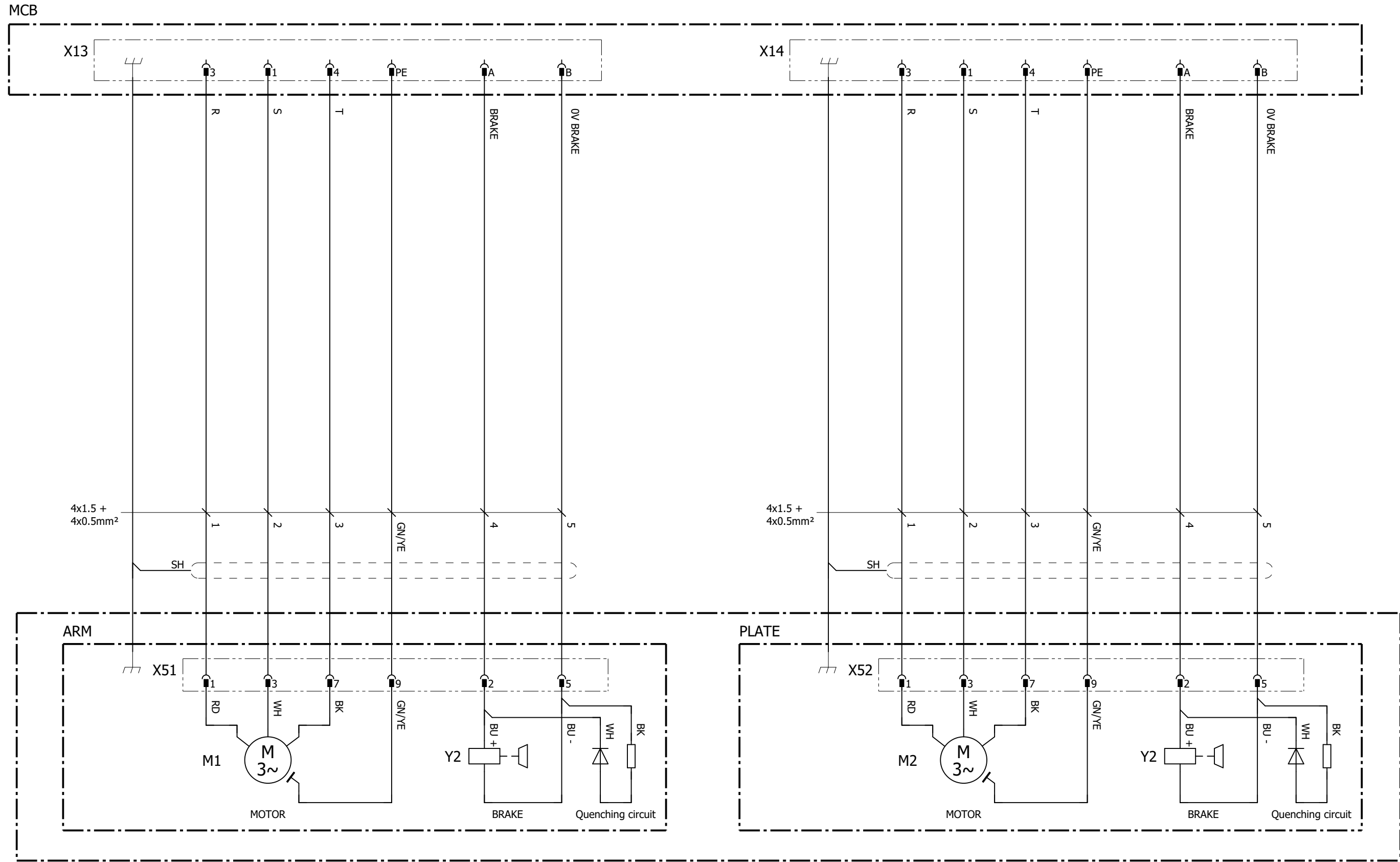
Approved by, date: P SVOBODA 240517

Document no.
3HAC091012-004

Rev. Ind	Page 10
00	Next 20
	Total 10

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 ELECTRICAL DRAWINGS FOR MCB 3HAC088150-001



STATION 2

Latest revision: ECO 500000131589 New	
Prepared by, date: J POKORNÁ 240517	Approved by, date: P SVOBODA 240517



Lab/Office:
RA/RDP

CIRCUIT DIAGRAM IRP A
MOTORS, STATION 2

Status:
Approved

Plant: =
Location: +
Sublocation: +

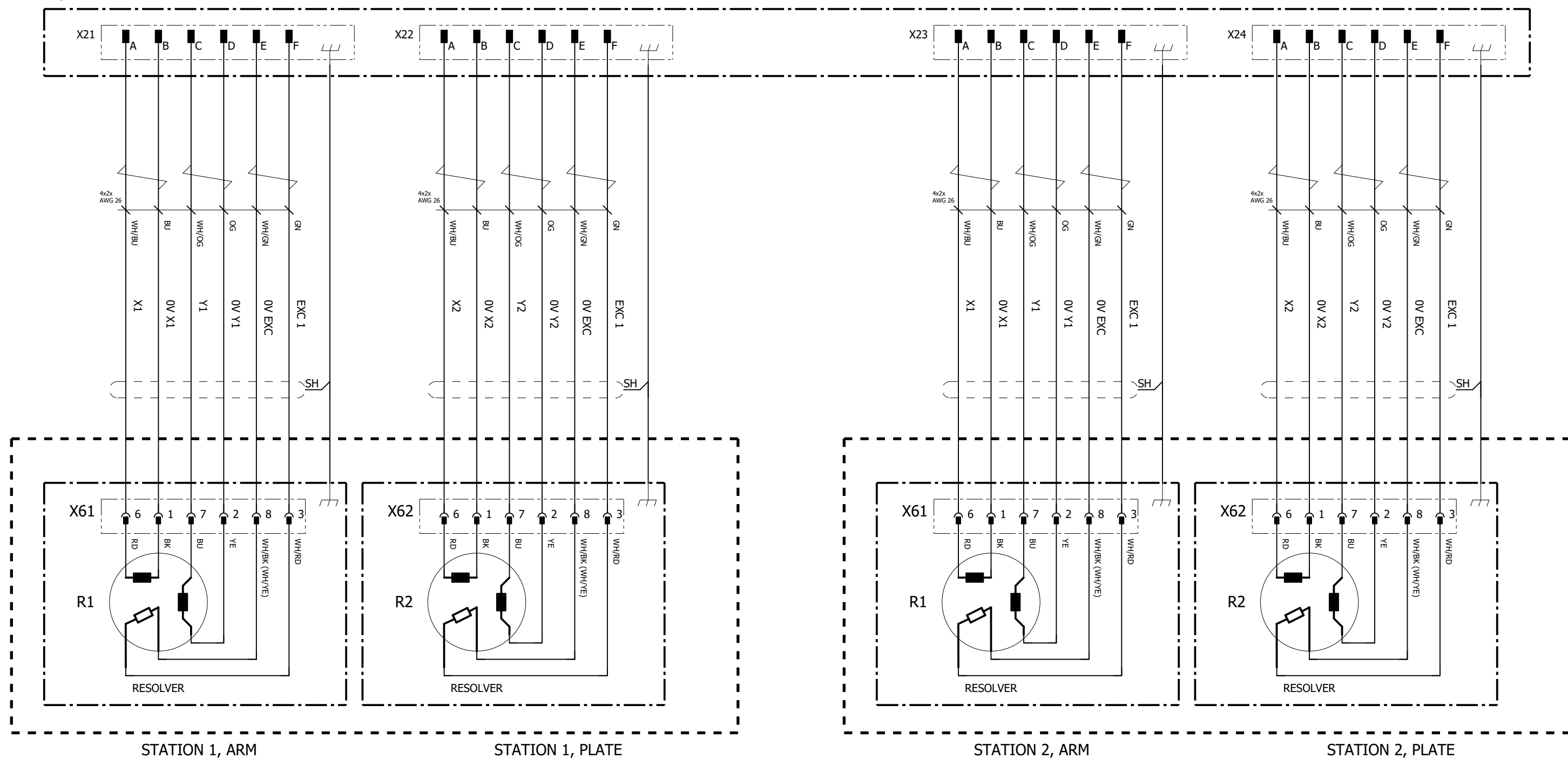
Document no.
3HAC091012-004

Rev. Ind	Page 20
00	Next 30
	Total 10

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 ELECTRICAL DRAWINGS FOR MCB 3HAC088150-001

MCB



Latest revision:
ECO 500000131589
New

Prepared by, date: J POKORNÁ 240517
Approved by, date: P SVOBODA 240517

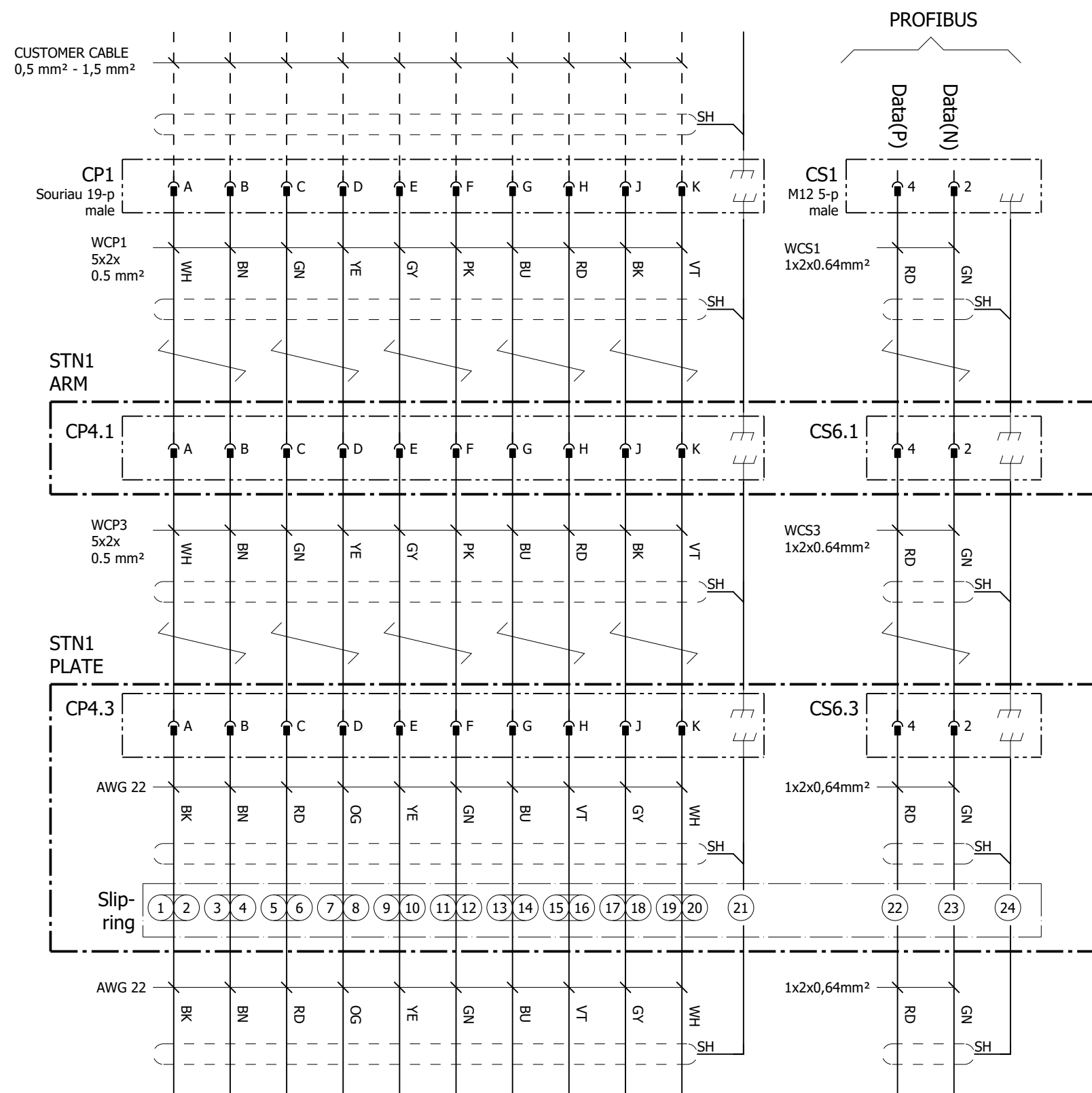
ABB Lab/Office:
RA/RDP

CIRCUIT DIAGRAM IRP A
RESOLVERS

Status: Approved
Plant: =
Location: +
Sublocation: +

Document no. 3HAC091012-004
Rev. Ind 00
Page 30
Next 40
Total 10

CUSTOMER CONNECTION

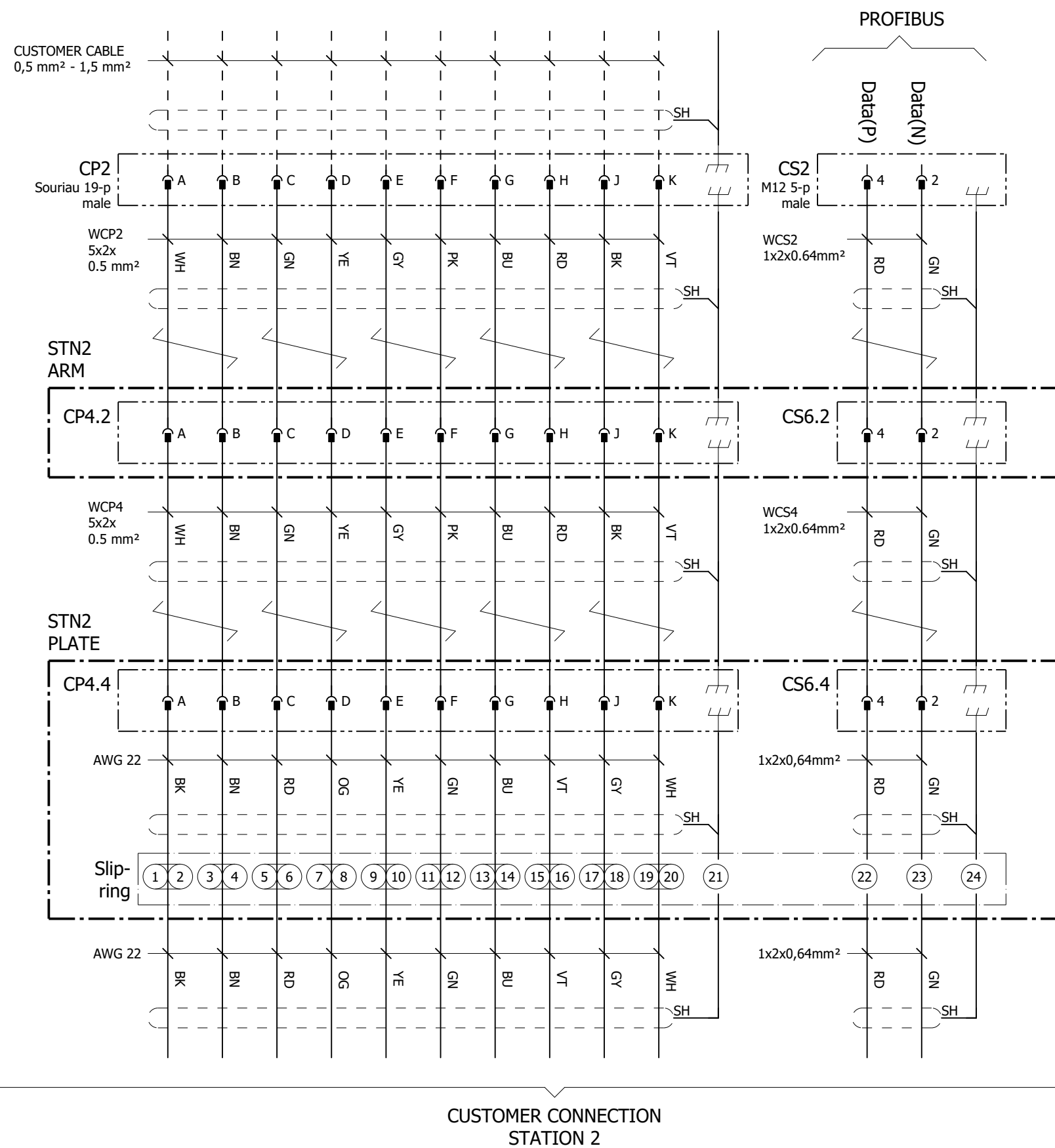


CUSTOMER CONNECTION
STATION 1

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: ECO 500000131589 New		Lab/Office: RA/RDP	CIRCUIT DIAGRAM IRP A OPTION SLIPRING DEVICE, STATION 1	Status: Approved	Plant: = Location: + Sublocation: +
				Document no. 3HAC091012-004	Rev. Ind 00
Prepared by, date: J POKORNÁ 240517	Approved by, date: P SVOBODA 240517				

CUSTOMER CONNECTION



CUSTOMER CONNECTION
STATION 2

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: ECO 500000131589 New		Lab/Office: RA/RDP	CIRCUIT DIAGRAM IRP A OPTION SLIPRING DEVICE, STATION 2	Status: Approved	Plant: = Location: + Sublocation: +
				Document no. 3HAC091012-004	Rev. Ind 00
Prepared by, date: J POKORNÁ 240517	Approved by, date: P SVOBODA 240517				