

Commonplace Robotics GmbH

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Customer: igus GmbH
 Spicher Str. 1a
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Project description: igus Robot Control
 Customer order number:
 Drawing number: 1.0
 Order no.:
 Project name: iRC-igusRobotControl48V
 Plant type: Robot control
 Location:
 Responsible for the project: Christian Meyer
 Parts feature:

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Created on: 29.04.21 Drawn by: J. Reitzer
 Edited on:

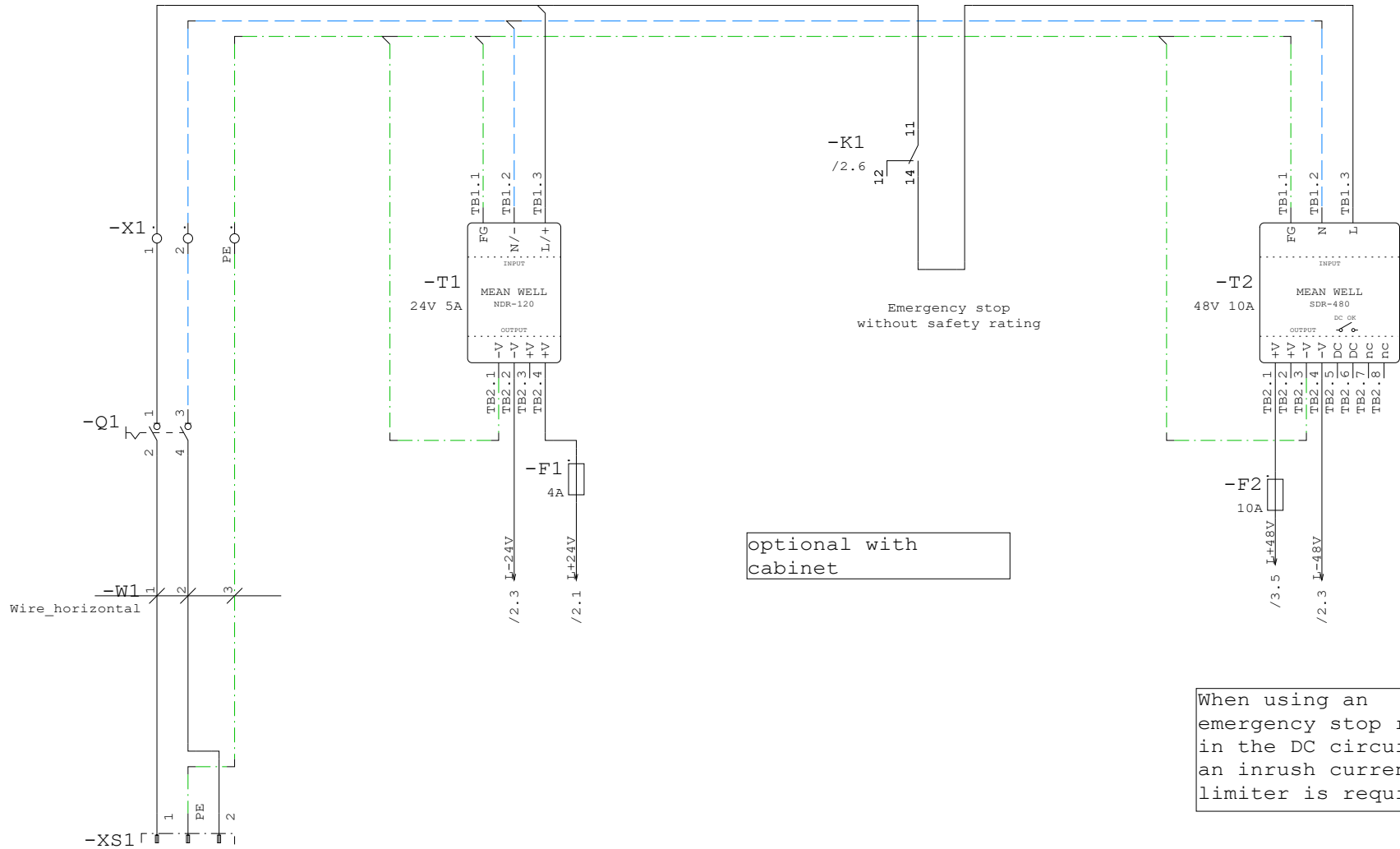
Drawn by: 7

Date	29.04.21	igus GmbH			Deckblatt	Project number	Unit	=		
work	J. Reitzer	Spicher Str. 1a					Field	+		
check	P. Lachmann	Köln					Drawing number	sheet		
Status	rev.	Date	name	norm	DIN 81346	created for	Created by	1.0	of	1

color-coding - within the cabinet

L1, L2, L3	= BLACK	RAL 9005
PE	= GREEN / YELLOW	RAL 6018/1021
NEUTRAL-CONDUCTOR	= LIGHT-BLUE	RAL 5015
CONTROL-VOLTAGE 230VAC	= RED	RAL 3000
CONTROL-VOLTAGE 0VAC	= RED / WHITE	RAL 3000 / 1013
CONTROL-VOLTAGE 24VDC+	= DARK-BLUE	RAL 5010
CONTROL-VOLTAGE GND	= DARK-BLUE / WHITE	RAL 5010 / 1013
OTHER VOLTAGES (5V, 48V)	= PURPLE	RAL 4000
MEASUREMENT	= WHITE	RAL 1013
EXTERNAL VOLTAGE	= ORANGE	RAL 2003

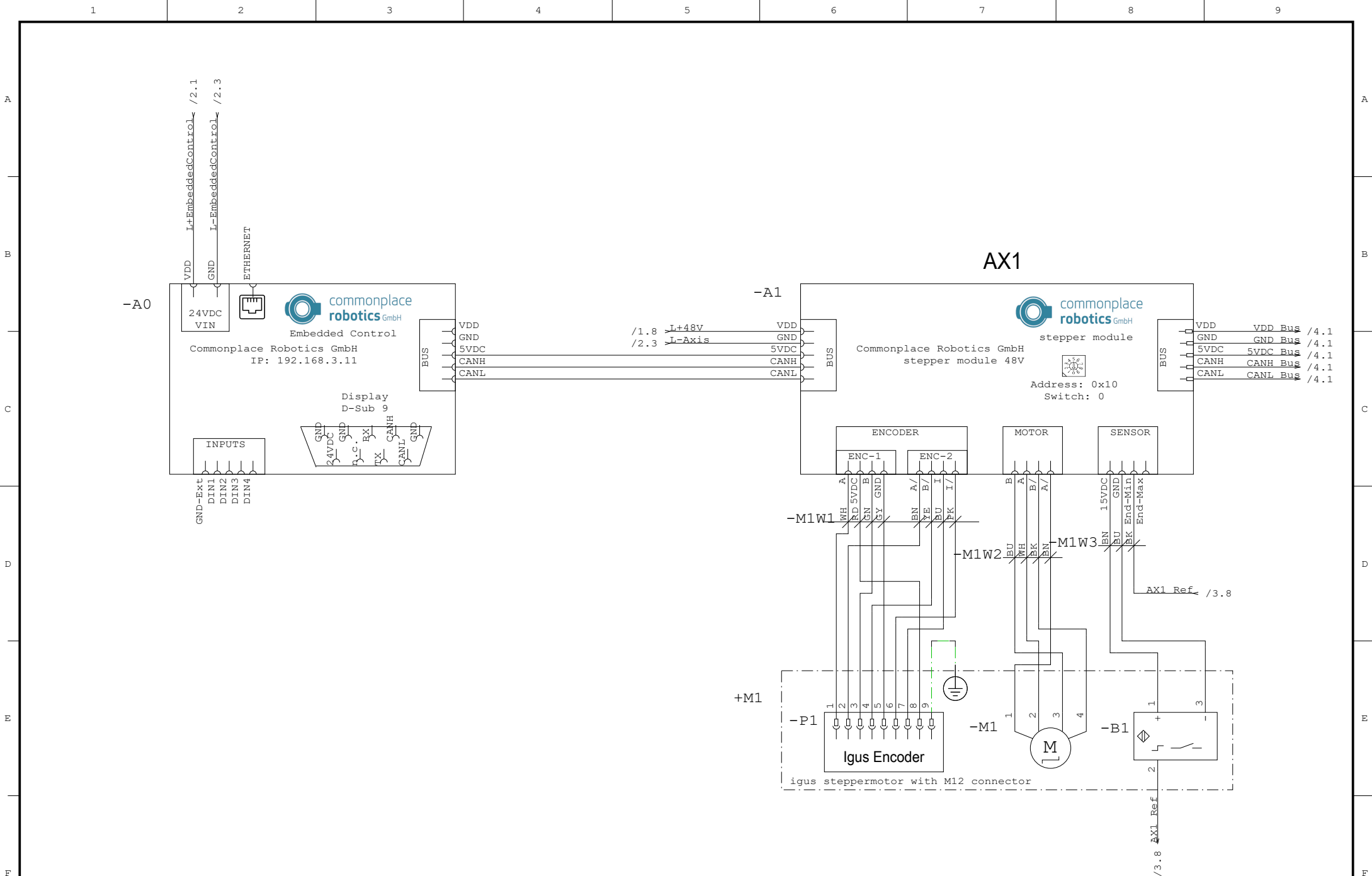
				Date	29.04.21	igus GmbH		Aderkennzeichnungen	Project number	Unit	=	
				work	J. Reitzer	Spicher Str. 1a				Field	+	
				check	P. Lachmann	Köln				Drawing number	sheet	1
Status	rev.	Date	name	norm	DIN 81346	created for	Created by			1.0	of	1



optional with cabinet

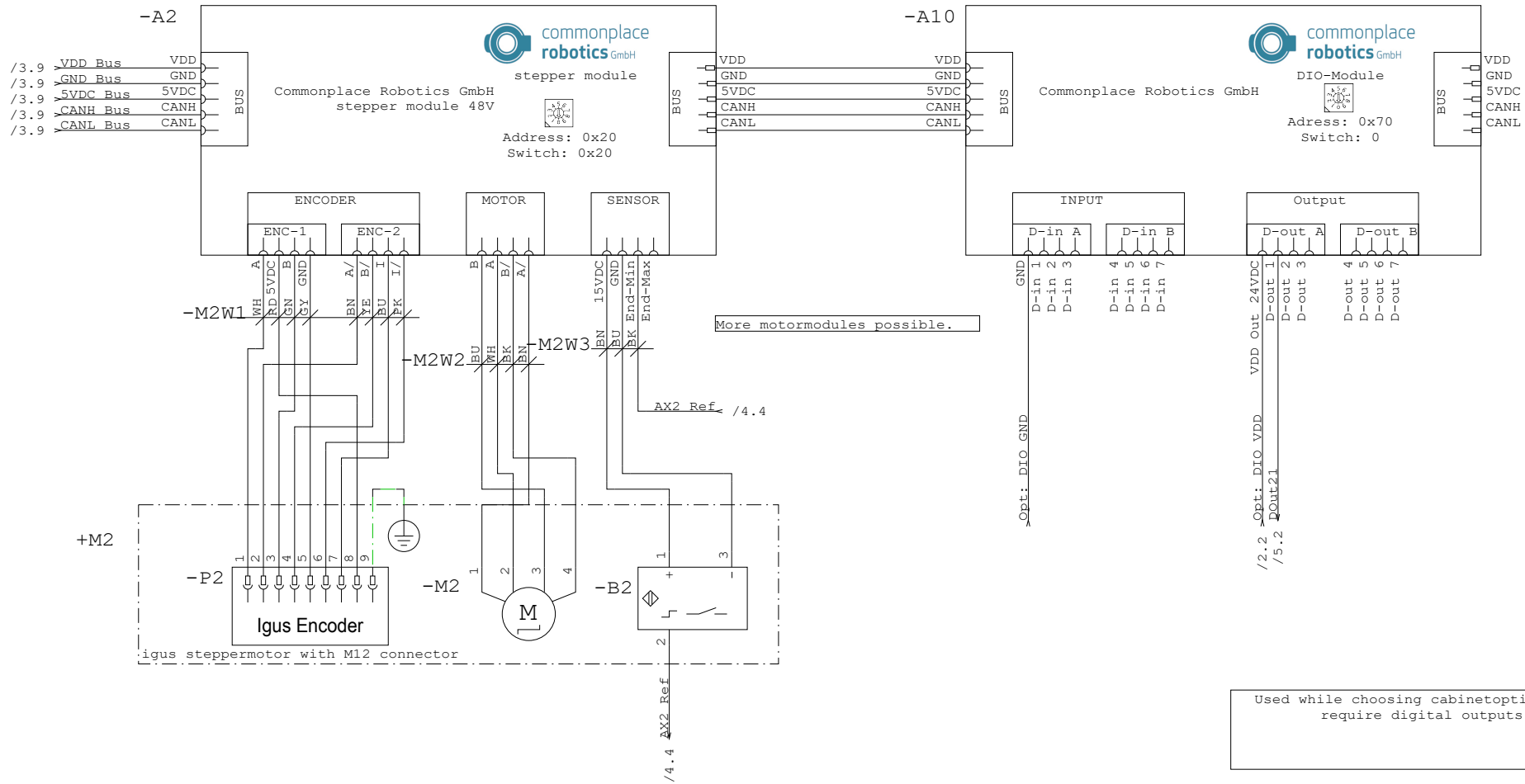
When using an emergency stop relay in the DC circuit, an inrush current limiter is required.

Date	29.04.21	igus GmbH			Mains	Project number		Unit	=RC
work	J. Reitzer	Spicher Str. 1a				Field	+A1		
check	P. Lachmann	Köln		Drawing number		sheet		1	
Status	rev.	Date	name	norm	DIN 81346	created for	Created by	1.0	of 5

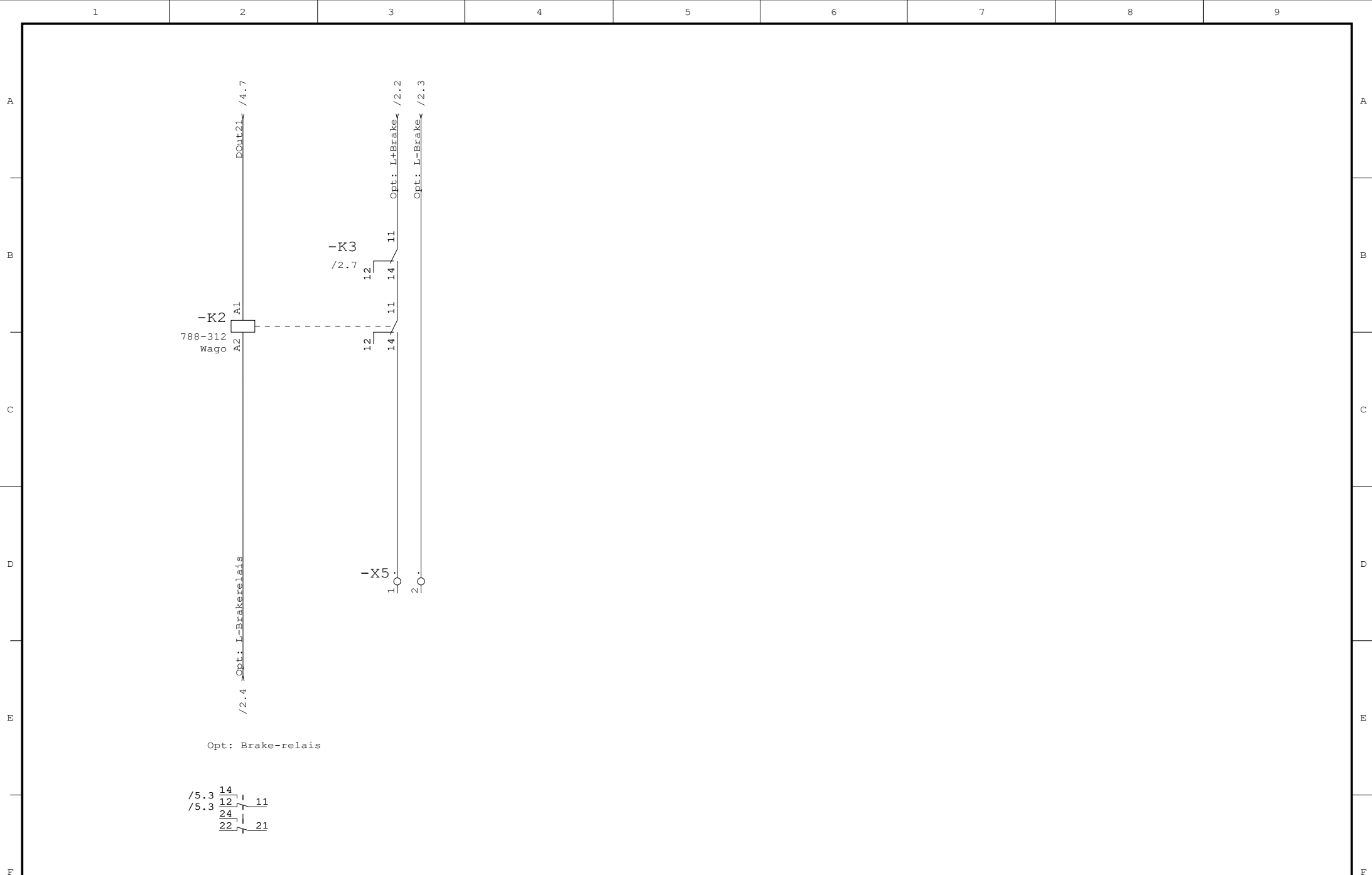


Date	29.04.21	igus GmbH	Embedded Control and motormodule		Project number	Unit	=RC
work	J. Reitzner	Spicher Str. 1a	commonplace robotics GmbH			Field	+A1
check	P. Lachmann	Köln	Created by		Drawing number	1.0	sheet 3 of 5
Status	rev.	Date	name	norm	DIN 81346	created for	

AX 2



Date	29.04.21	igus GmbH											
work	J. Reitzer	Spicher Str. 1a											
check	P. Lachmann	Köln											
Status	rev.	Date	name	norm	DIN 81346	created for	Created by	Motor- and DIO-Module	Project number	Unit =RC	Field =A1	Drawing number 1.0	sheet 4 of 5



Opt: Brake-relais

/5.3	14	1	11
/5.3	12	1	11
	24	1	21
	22	1	21

Date	29.04.21	igus GmbH	opt: brake-control		Project number	Unit	=RC			
work	J. Reitzer	Spicher Str. 1a				Field	+A1			
check	P. Lachmann	Köln				Drawing number	sheet	5		
Status	rev.	Date	name	norm	DIN 81346	created for	Created by	1.0	of	5