inovativno · zanesljivo · globalno
DAFRA
Kontakt tehnologija

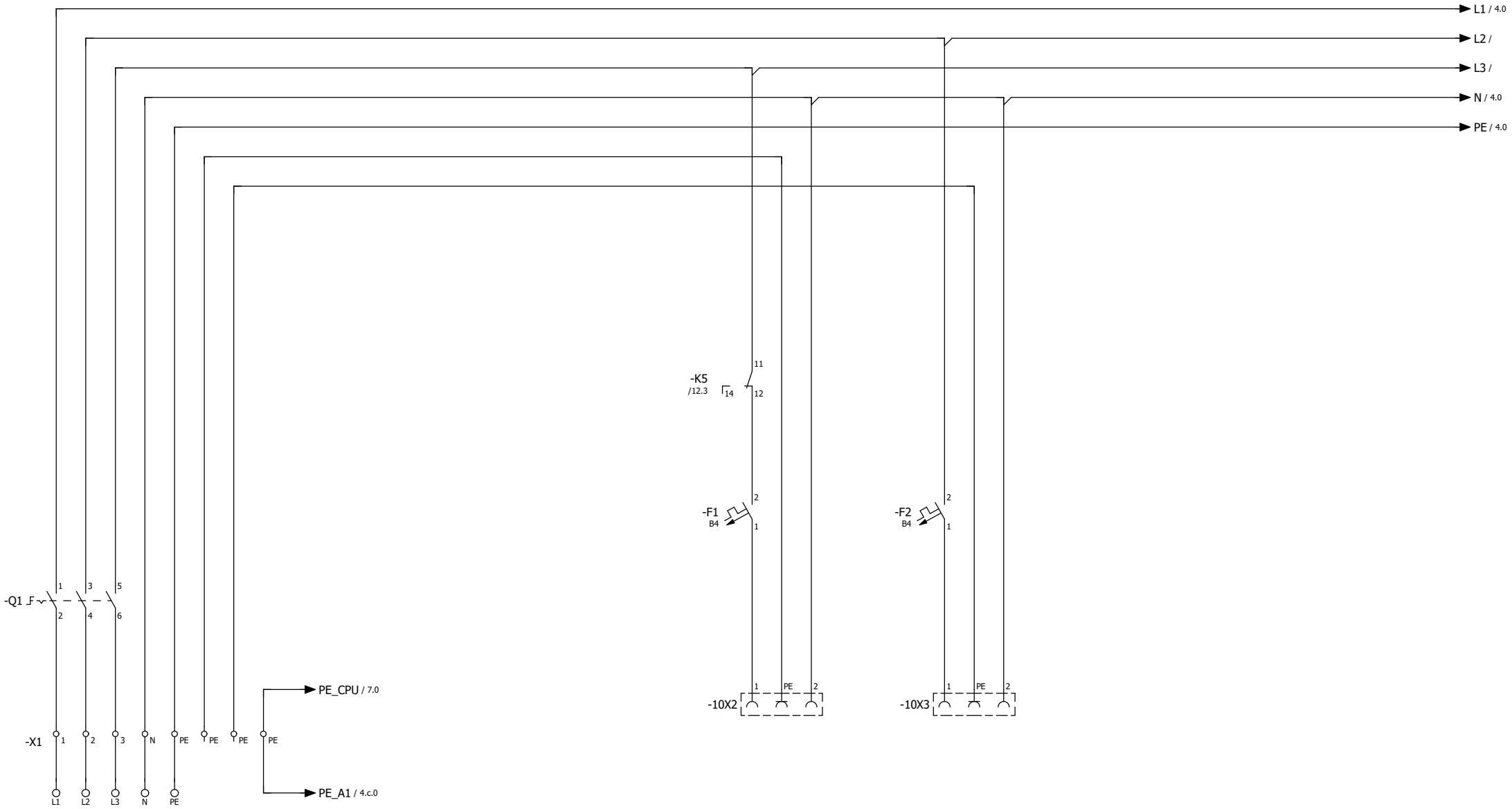
Dejan Rozic DR

3205 Vitanje
Phone 040951163

Company / customer	
Project description	Varovanje stiskalnice v1.0
Job number	1
Commission	Dejan

Manufacturer (company)	Dejan Rozic DR
Path	EPLAN sample project
Project name	VarovanjeOrodja_SanJa
Make	
Type	
Place of installation	
Responsible for project	
Part feature	

Created on	5. 02. 2019		Number of pages
Edit date	30. 05. 2019	by (short name) USER	88

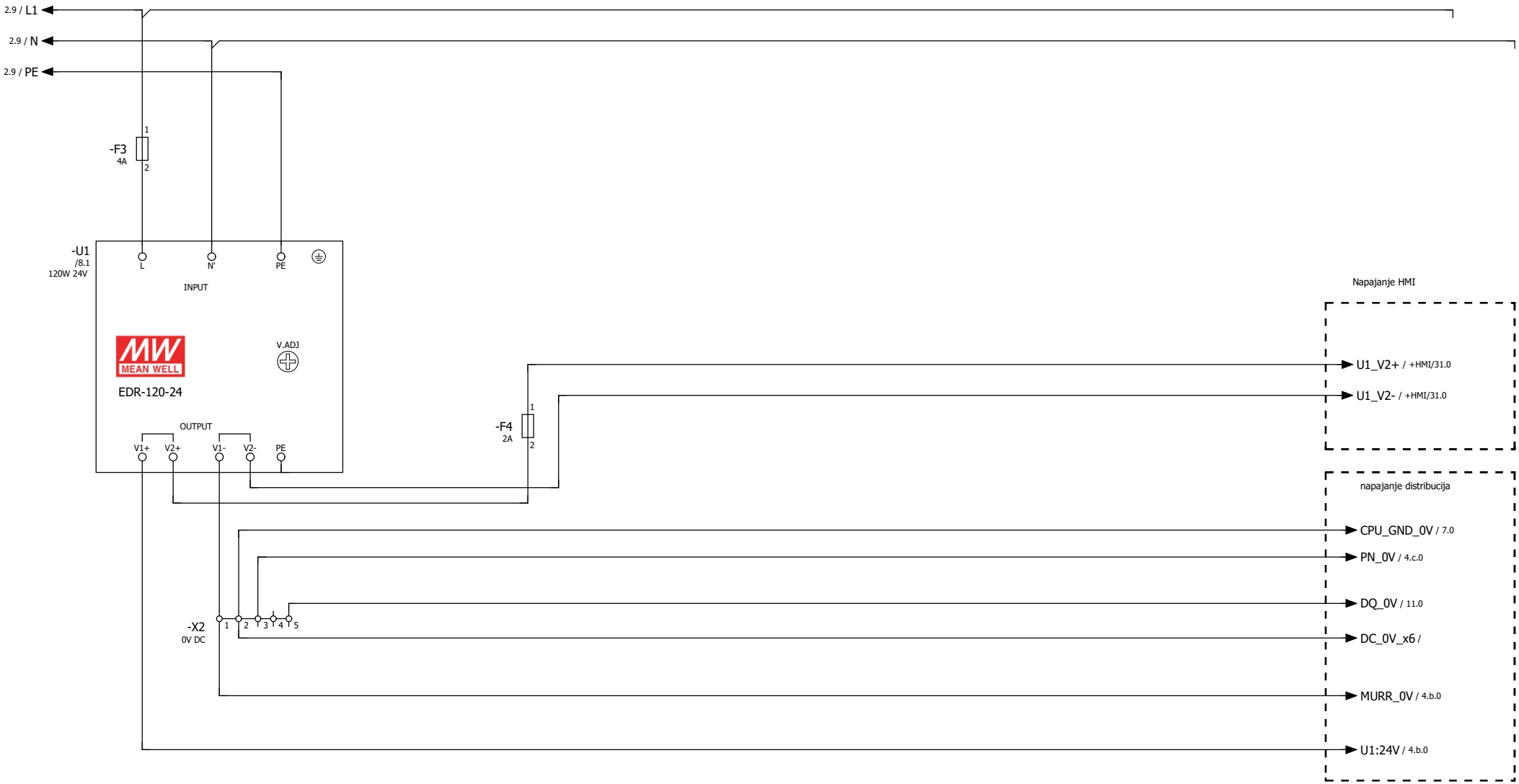


1.f

3

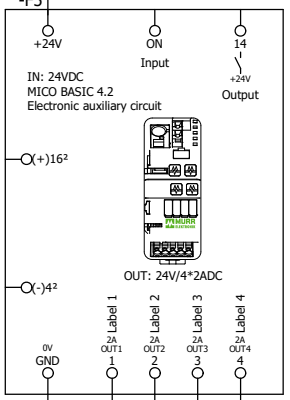
			Date	27. 05. 2019	Dejan		Dejan Rozic DR	NAPAJANJE | 220V VTIČNICE	= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0			1	Page 2
Modification	Date	Name	Original		Replacement of	Replaced by			Page 2 / 88

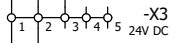
			Date	4. 03. 2019	Dejan	Dejan Rozic DR	REZERVA		= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0				
Modification	Date	Name	Original		Replacement of	Replaced by		1	Page 3
									Page 3 / 88



			Date	27. 05. 2019	Dejan	Dejan Rozic DR	24V NAPAJANJE		= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0			1	Page 4
Modification	Date	Name	Original		Replacement of	Replaced by			Page 4 / 88

4.8 / U1:24V





napajanje distribucija

CAM_VCC / 11.a.0

PN_24V / 4.c.0

DC_24V_X6 /

F6_X3_2.24V / 4.b.8

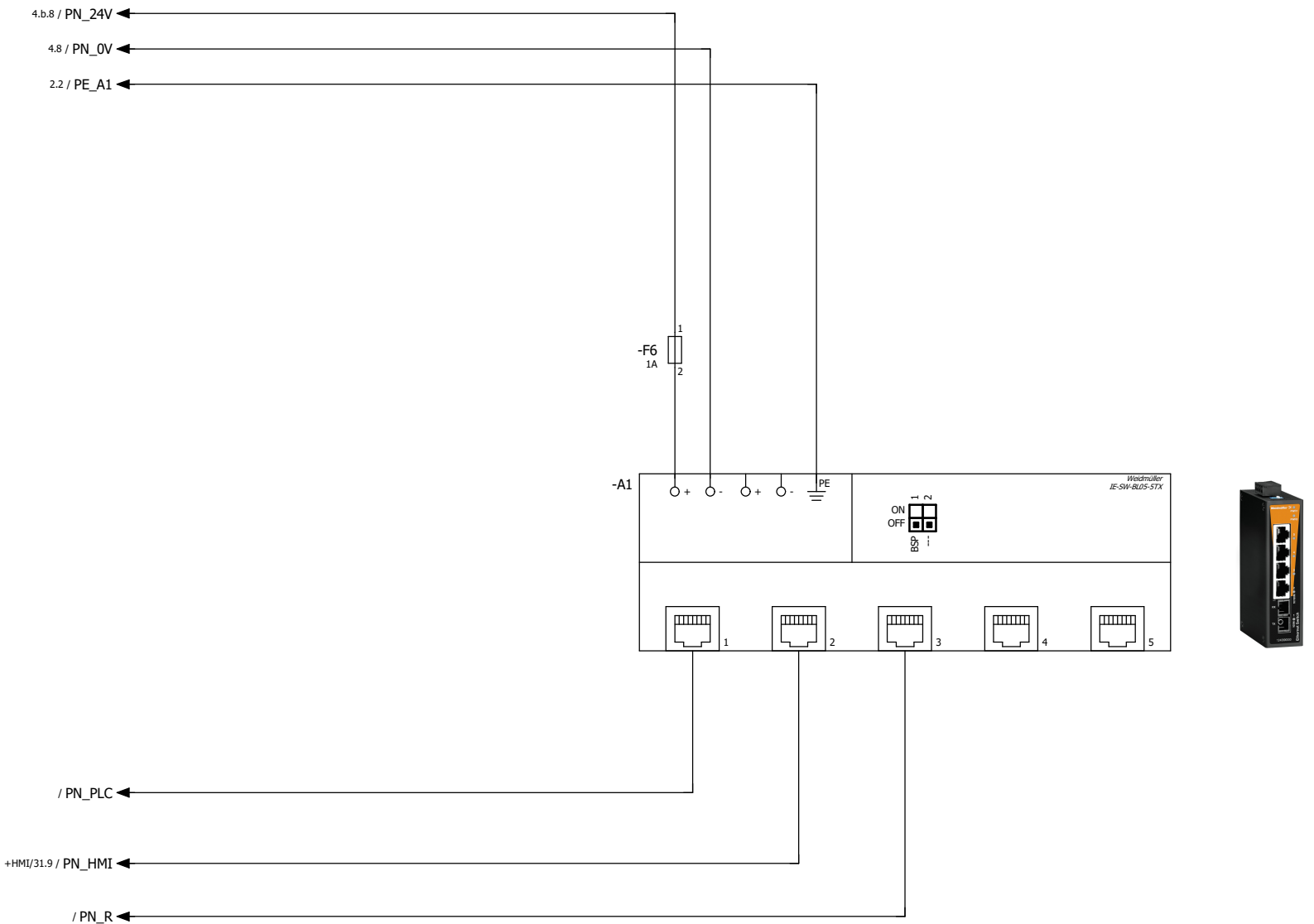
F6_X3_2.24V / 4.b.8

DQ_2A / 11.0

CPU_VCC_24V / 7.0

4.8 / MURR_0V

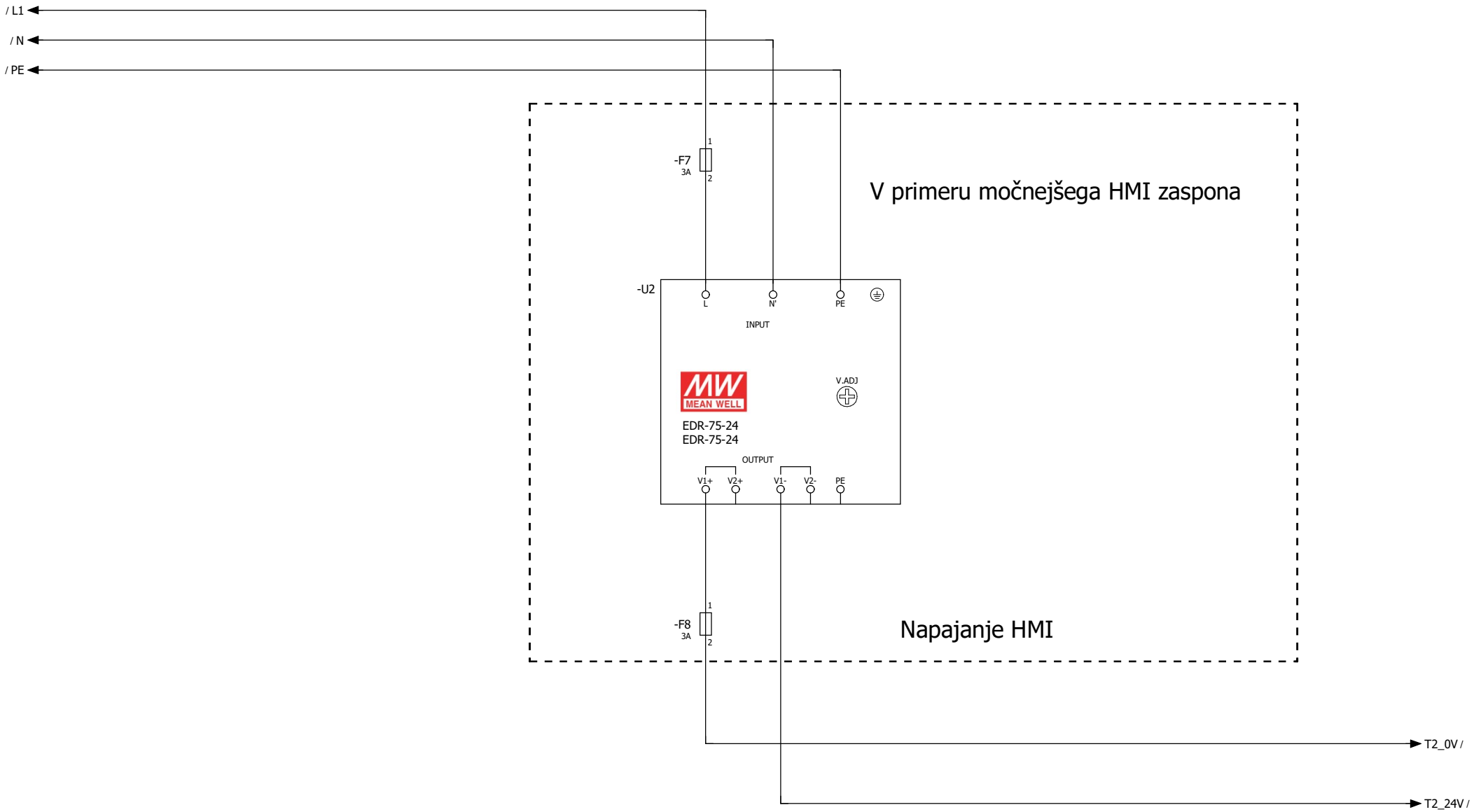
			Date	13. 03. 2019	Dejan		Dejan Rozic DR	24V VAROVANJE	= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0			1	Page 4.b
Modification	Date	Name	Original		Replacement of	Replaced by			Page 5 / 88



4.b

5

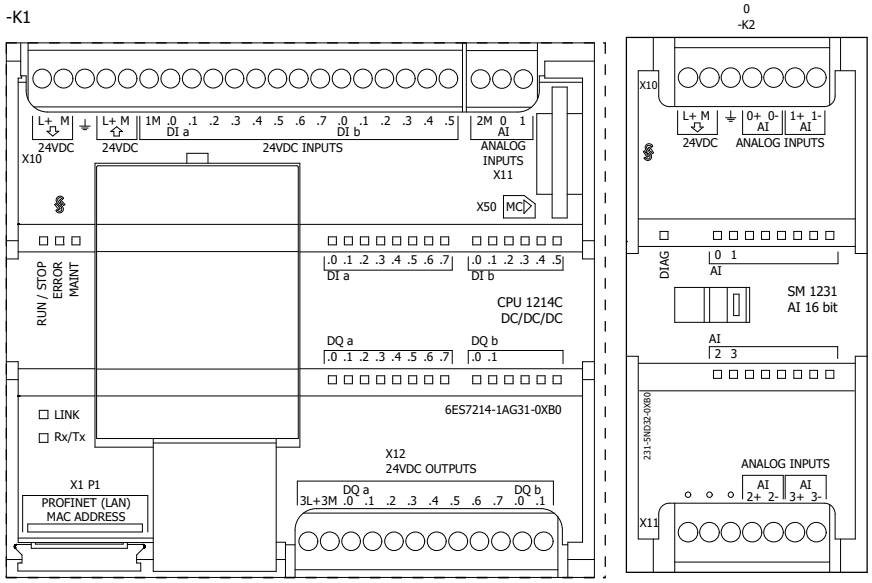
			Date	11. 03. 2019	Dejan	Dejan Rozic DR	PROFINET 4X RJ45		= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0			1	Page 4.c
Modification	Date	Name	Original		Replacement of	Replaced by			Page 6 / 88



4.c

6.a

			Date	26. 02. 2019	Dejan		Dejan Rozic DR	24V HMI REZERVA	= PANEL + 1
			Ed	USER					
			Appr		Varovanje stiskalnice v1.0				1
Modification	Date	Name	Original		Replacement of	Replaced by			Page 5 Page 7 / 88



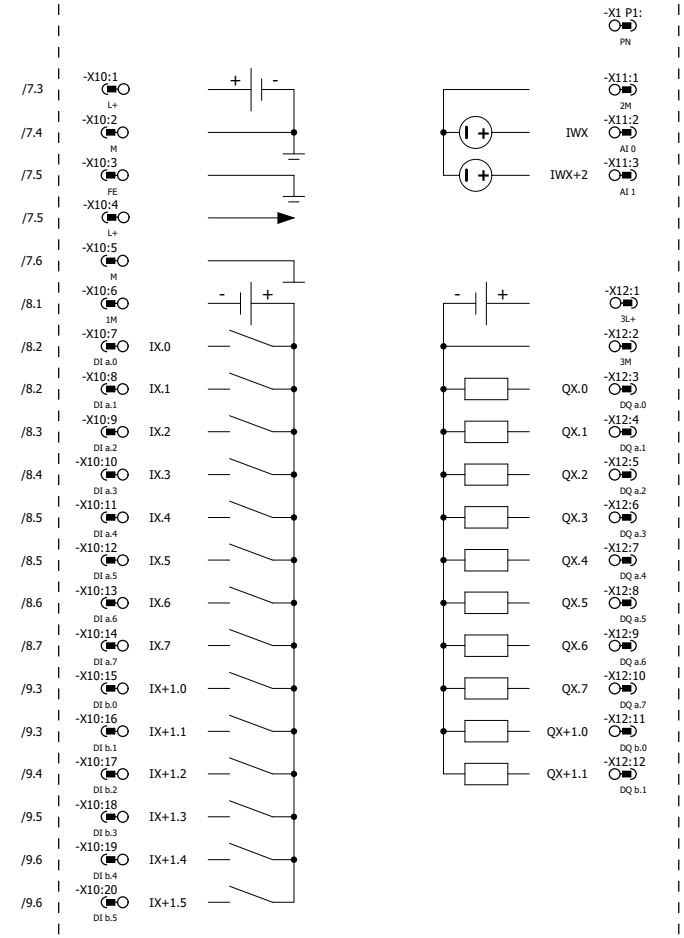
5

6.b

			Date	22. 02. 2019	Dejan		Dejan Rozic DR	PLC MODUL SIGNALNI MODUL 2D MODEL 1:1	= PANEL + 1
			Ed	USER					
			Appr		Varovanje stiskalnice v1.0			1	Page 6.a
Modification	Date	Name	Original		Replacement of	Replaced by			Page 8 / 88

-K1
/7.3
/8.0
/9.2
/10.3
/11.0
/12.2
PLC MAIN
Rack X
Slot Y

S7-1200 SIEMENS
CPU 1214C DC/DC/DC



	/7.3	-X10:1 L+			/10.4	-X11:1 2M	
	/7.4	-X10:2 M		IWX	/10.5	-X11:2 AI 0	RESERVE
	/7.5	-X10:3 FE		IWX+2	/10.6	-X11:3 AI 1	RESERVE
	/7.5	-X10:4 L+					
	/7.6	-X10:5 M					
	/8.1	-X10:6 1M			/11.1	-X12:1 3L+	
HSC A	/8.2	-X10:7 DI a.0	IX.0		/11.2	-X12:2 3M	
HSC B	/8.2	-X10:8 DI a.1	IX.1	QX.0	/11.2	-X12:3 DQ a.0	CAM1 OUTPUT - PODAJANJE
HSC RESET	/8.3	-X10:9 DI a.2	IX.2	QX.1	/11.3	-X12:4 DQ a.1	CAM2 OUTPUT
PRISOTNOST TRAKU	/8.4	-X10:10 DI a.3	IX.3	QX.2	/11.4	-X12:5 DQ a.2	IZKLOP STISKALNICE
MERJENJE VISINE VCA400	/8.5	-X10:11 DI a.4	IX.4	QX.3	/11.5	-X12:6 DQ a.3	TEKOČI TRAK
RESERVE	/8.5	-X10:12 DI a.5	IX.5	QX.4	/11.5	-X12:7 DQ a.4	CAM 3 -IZPIHOVANJE
RESERVE	/8.6	-X10:13 DI a.6	IX.6	QX.5	/11.6	-X12:8 DQ a.5	RESERVE
PRISOTNOST ZRAKA	/8.7	-X10:14 DI a.7	IX.7	QX.6	/11.7	-X12:9 DQ a.6	CAM4 - MAZANJE
Navijalec NOK	/9.3	-X10:15 DI b.0	IX+1.0	QX.7	/11.8	-X12:10 DQ a.7	RESERVE
RESERVE	/9.3	-X10:16 DI b.1	IX+1.1	QX+1.0	/12.3	-X12:11 DQ b.0	ERROR STOP
POMIK 1	/9.4	-X10:17 DI b.2	IX+1.2	QX+1.1	/12.3	-X12:12 DQ b.1	STOP TRAK
POMIK 2	/9.5	-X10:18 DI b.3	IX+1.3				
RESERVE	/9.6	-X10:19 DI b.4	IX+1.4				
RESERVE	/9.6	-X10:20 DI b.5	IX+1.5				

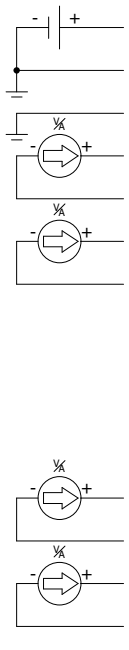
6ES7214-1AG31-0XB0

6.a 6.c

			Date	4. 03. 2019	Dejan	Dejan Rozic DR	PREGLED POVEZAVA PLC VHODOV & PLC IZHODOV	= PANEL + 1
			Ed	USER				
			Appr		Varovanje stiskalnice v1.0			1 Page 6.b
Modification	Date	Name	Original		Replacement of	Replaced by		Page 9 / 88

-K2
/9.d.3
Rack X
Slot Y

S7-1200 SIEMENS
SM1231 AI 4 x 16 Bit



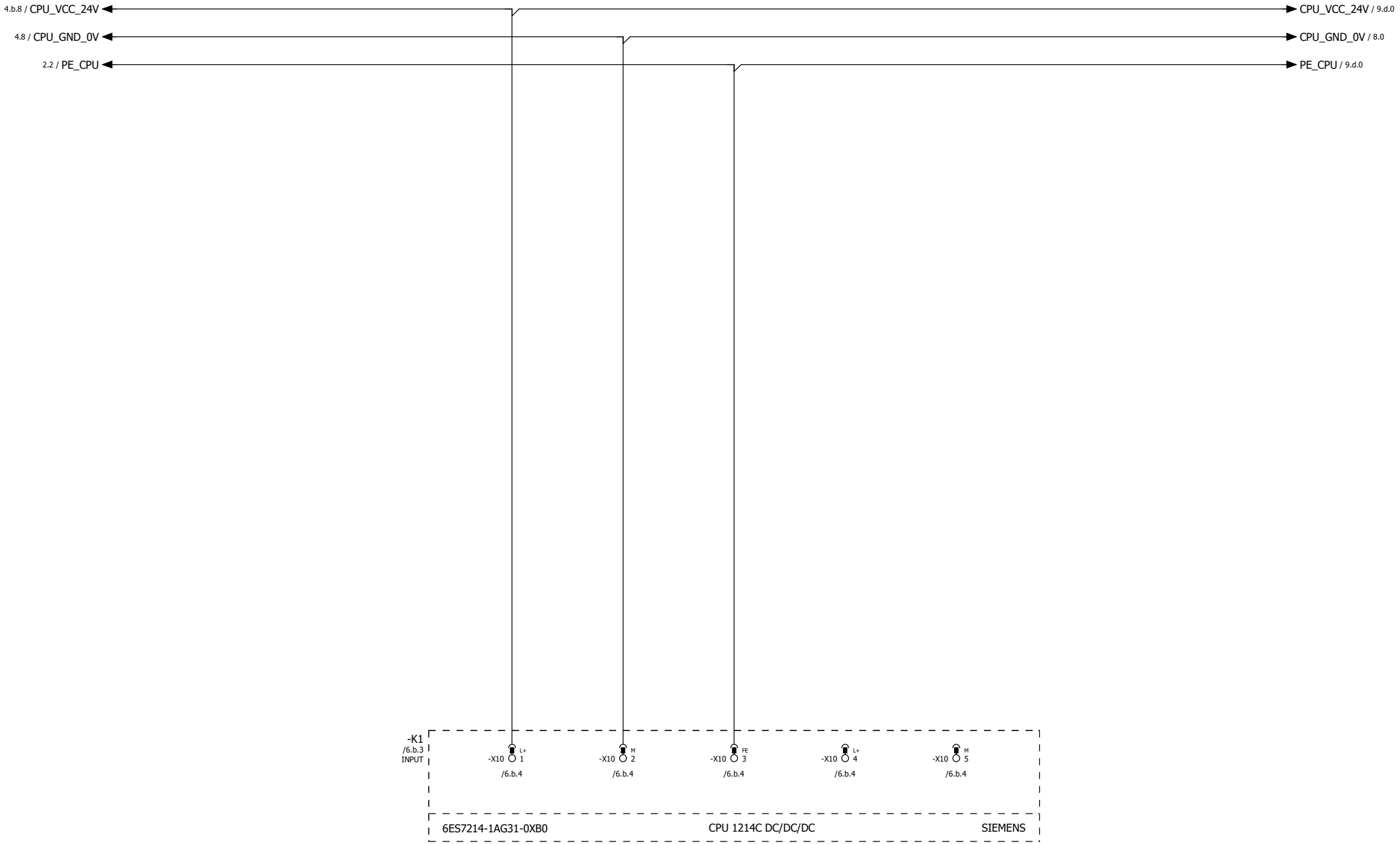
	-X10:1 L+		/9.d.4	
	-X10:2 M		/9.d.4	
	-X10:3 FE		/9.d.4	
IWX	-X10:4 AI 0+		/9.d.4	Senzor U1+
IWX	-X10:5 AI 0-		/9.d.4	Senzor U1-
IWX+2	-X10:6 AI 1+		/9.d.5	Senzor U2+
IWX+2	-X10:7 AI 1-		/9.d.5	Senzor U2-
	-X11:1 n.c.			
	-X11:2 n.c.			
	-X11:3 n.c.			
IWX+4	-X11:4 AI 2+		/9.d.5	
IWX+4	-X11:5 AI 2-		/9.d.5	
IWX+6	-X11:6 AI 3+		/9.d.5	
IWX+6	-X11:7 AI 3-		/9.d.6	

6ES7231-5ND32-0XB0

6.b

7

			Date	4. 03. 2019	Dejan	Dejan Rozic DR	PREGLED ANALOGNI VHODI	= PANEL
			Ed	USER				+ 1
			Appr		Varovanje stiskalnice v1.0			1
Modification	Date	Name	Original		Replacement of	Replaced by		Page 6.c
								Page 10 / 88



6.c

7.a

			Date	11. 03. 2019	Dejan		Dejan Rozic DR	PLC CPU NAPAJANJE	= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0			1	Page 7
Modification	Date	Name	Original		Replacement of	Replaced by			Page 11 / 88

8.9 / 24V_SBOX2

/ NC

8.9 / 0V_SBOX2

8.9 / S_SBOX2

-W1
4X0.25
M12 4PIN BN WH BU BK

1 2 3 4
\+ NC - OUT

-BG1
VCA 400

VCA 400 VESTER A Kistler Group Company

IN1 IN2 IN3 IN4
\+ - S
1 3 4

VCA400 OUTPUT PINLAYOUT

4-polig M12

1	braun	(+)
2	weiß	n.c.
3	blau	(–)
4	schwarz	(A) PNP

VCA 400 INPUT PIN LAYOUT IN1-IN4

3-polig M8 (Sensor-Eingang IN1 ... IN4)

1	braun	(+)
4	schwarz	0 - 10VDC
3	blau	(–)

-W3
3X0.25
M8 3PIN BN BU BK

1 3 4
\+ - S

-BG3
/9.d.4
/9.d.4
VESTER ISS 20 30
6620-30151-000

-W2
3X0.25
M8 3PIN BN BU BK

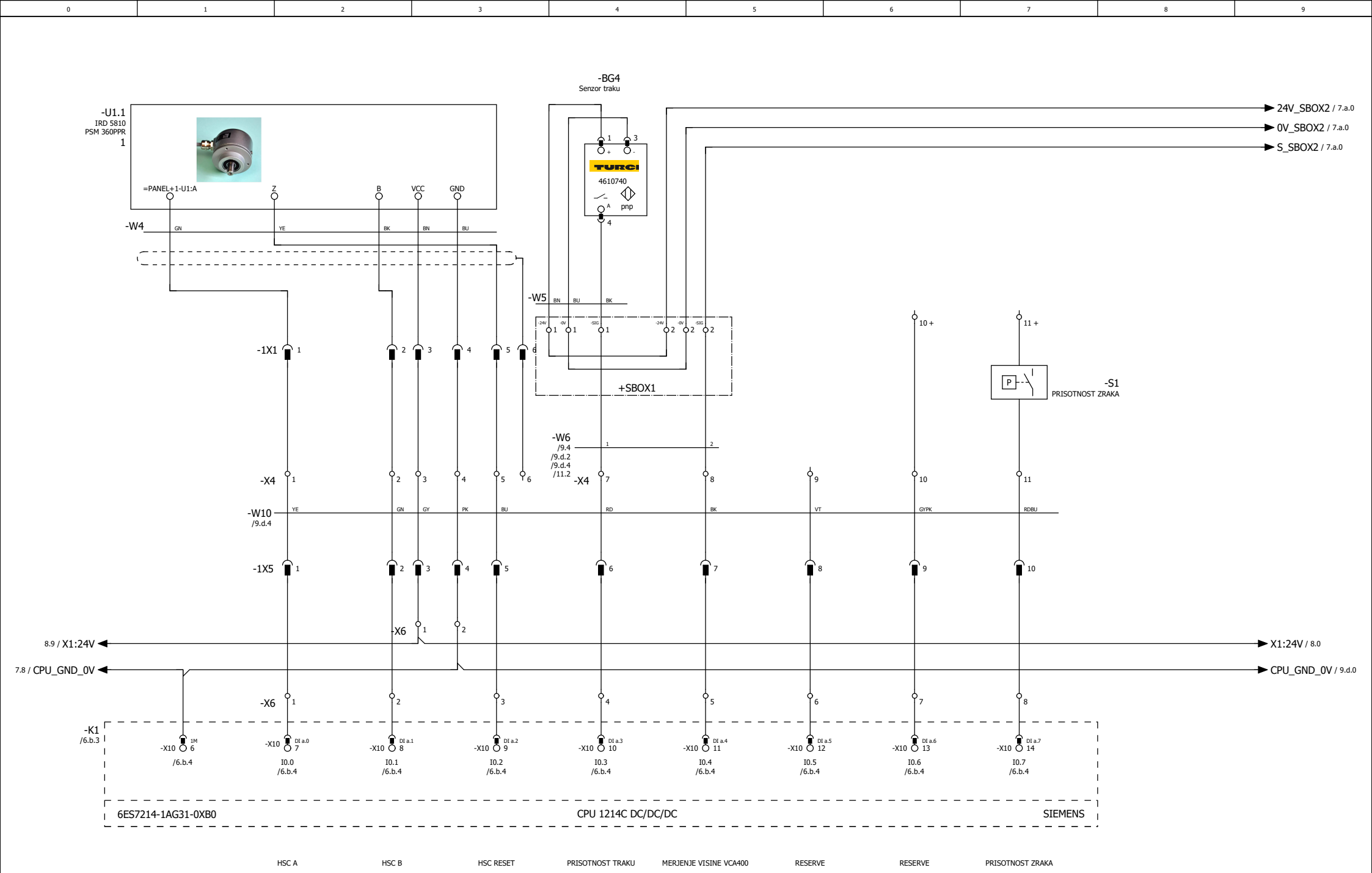
1 3 4
\+ - S

-BG2
/9.5
/9.5
VESTER ISS 20 30
6620-30151-000

7

8

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	VCA 400		= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0			1	Page 7.a
Modification	Date	Name	Original		Replacement of	Replaced by			Page 12 / 88



7.a

9

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	PLC DI I0.0 - I0.7		= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0			1	Page 8
Modification	Date	Name	Original		Replacement of	Replaced by			Page 13 / 88

Anschlussschema

4-polig M12

1	braun	(+)
2	weiß	n. c.
3	blau	(–)
4	schwarz	(A) PNP

-BG5 S2-W-4-P2 VESTER 2000-00008-406 pnp

-BG6 S2-W-4-P2 VESTER 2000-00008-406 pnp

-W7 M12 4PIN 4x0.25 BU BN BK

-W8 M12 4PIN 4x0.25 BK BU BN

+SBOX1 -0V -24V -SIG

ODVIJALEC

-W6 /8.4

-X4

-W10 /9.d.4 WHGN BNGN

-1X2 PE

9.d.9 / X1:24V

/

-1X5

-X6

-K1 /6.b.3 POMIK1

DI b.0 DI b.1 DI b.2 DI b.3 DI b.4 DI b.5

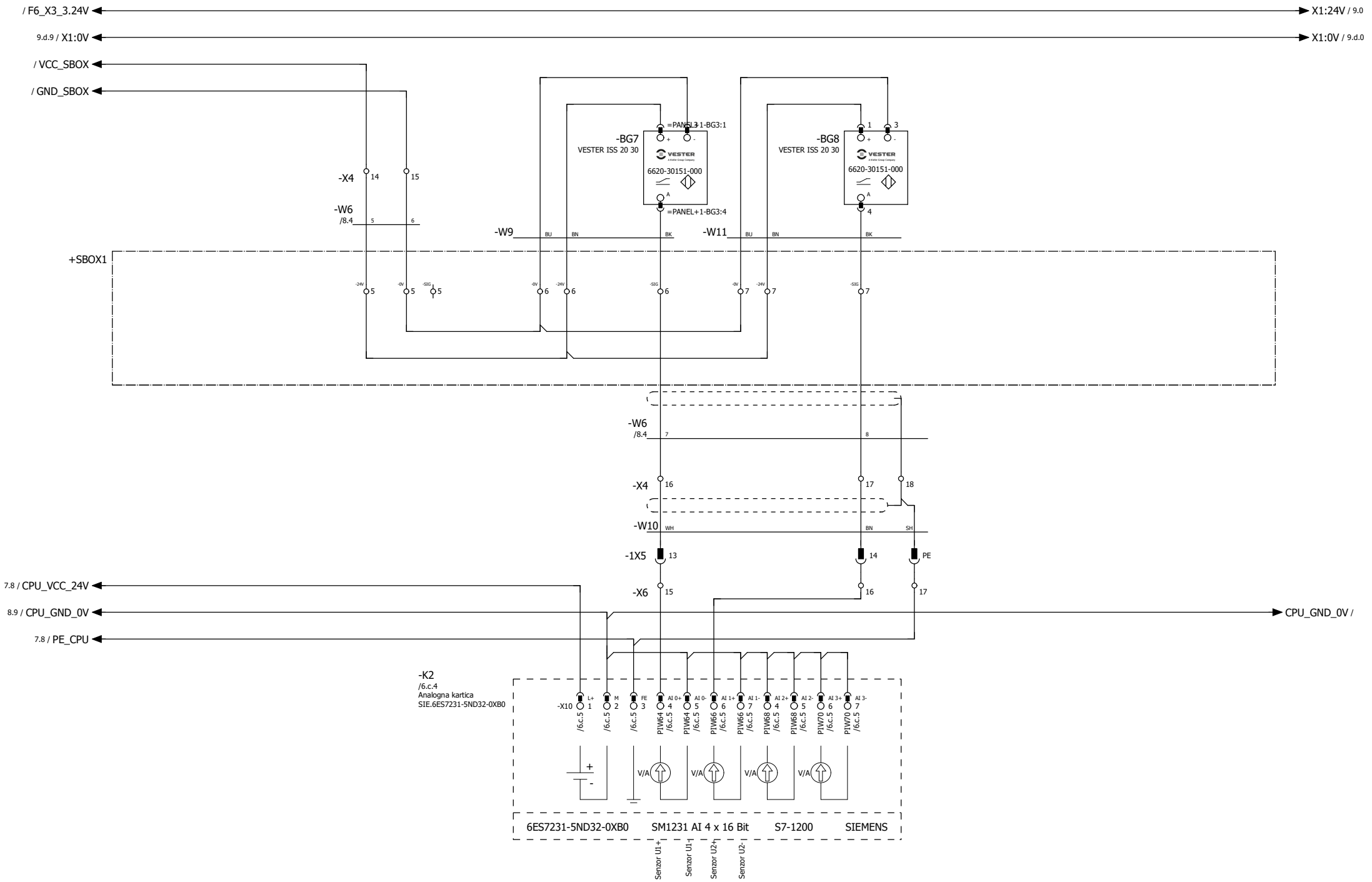
I1.0 /6.b.4 I1.1 /6.b.4 I1.2 /6.b.4 I1.3 /6.b.4 I1.4 /6.b.4 I1.5 /6.b.4

6ES7214-1AG31-0XB0 CPU 1214C DC/DC/DC SIEMENS

Navijalec NOK | RESERVE | POMIK 1 | POMIK 2 | RESERVE | RESERVE

8 9.d

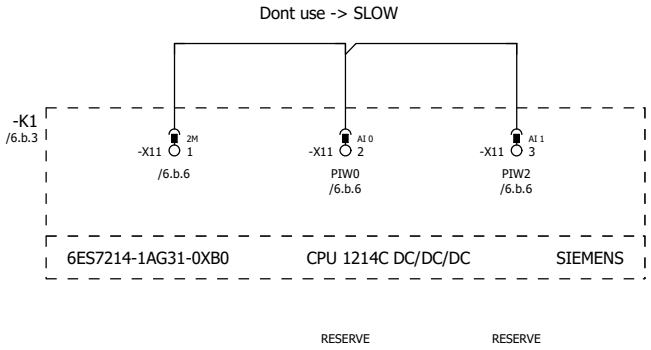
			Date	27. 05. 2019	Dejan	Dejan Rozic DR	PLC DI I1.0 - I1.5	= PANEL	
			Ed	USER				+ 1	
			Appr		Varovanje stiskalnice v1.0			1	Page 9
Modification	Date	Name	Original		Replacement of	Replaced by			Page 14 / 88



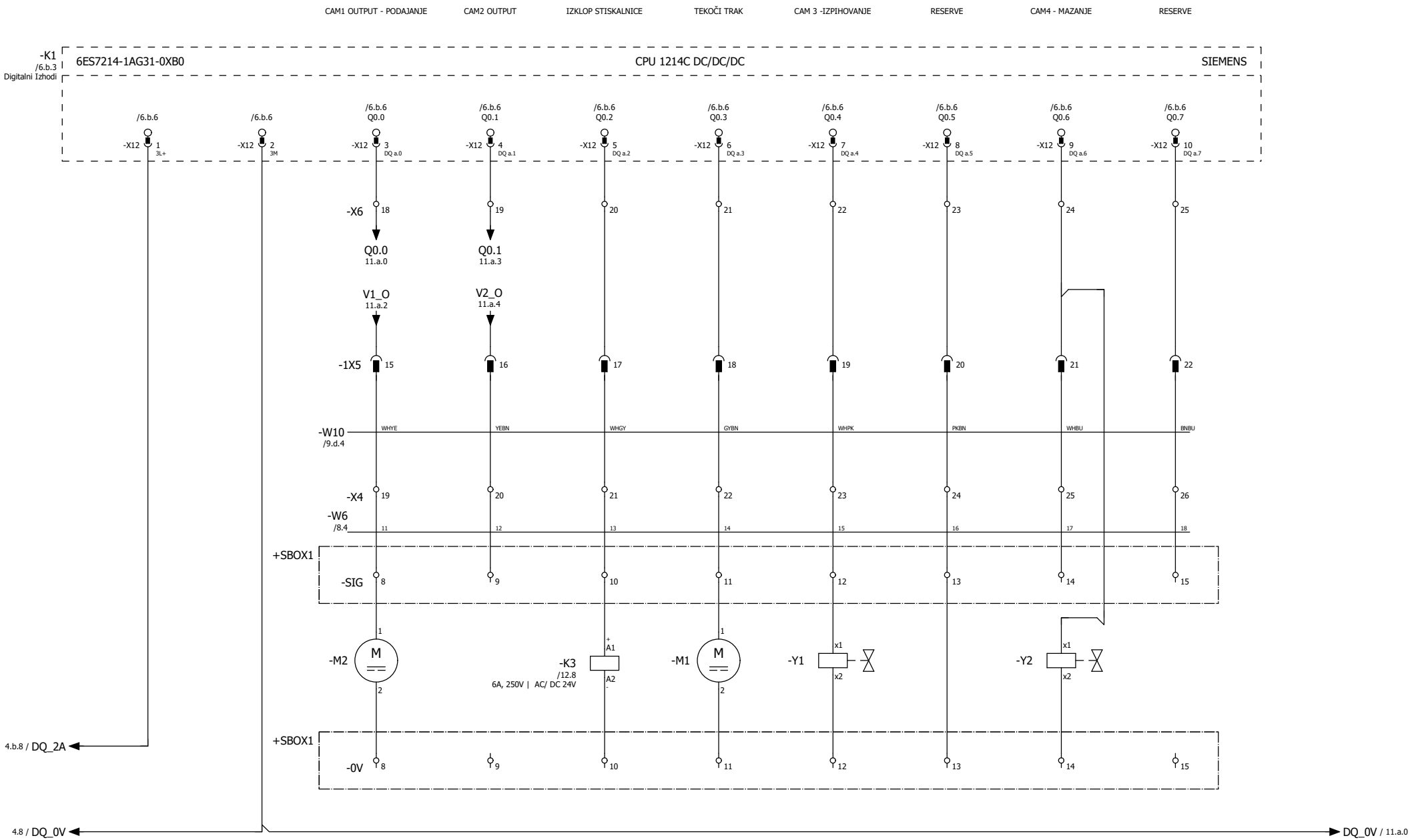
9

10

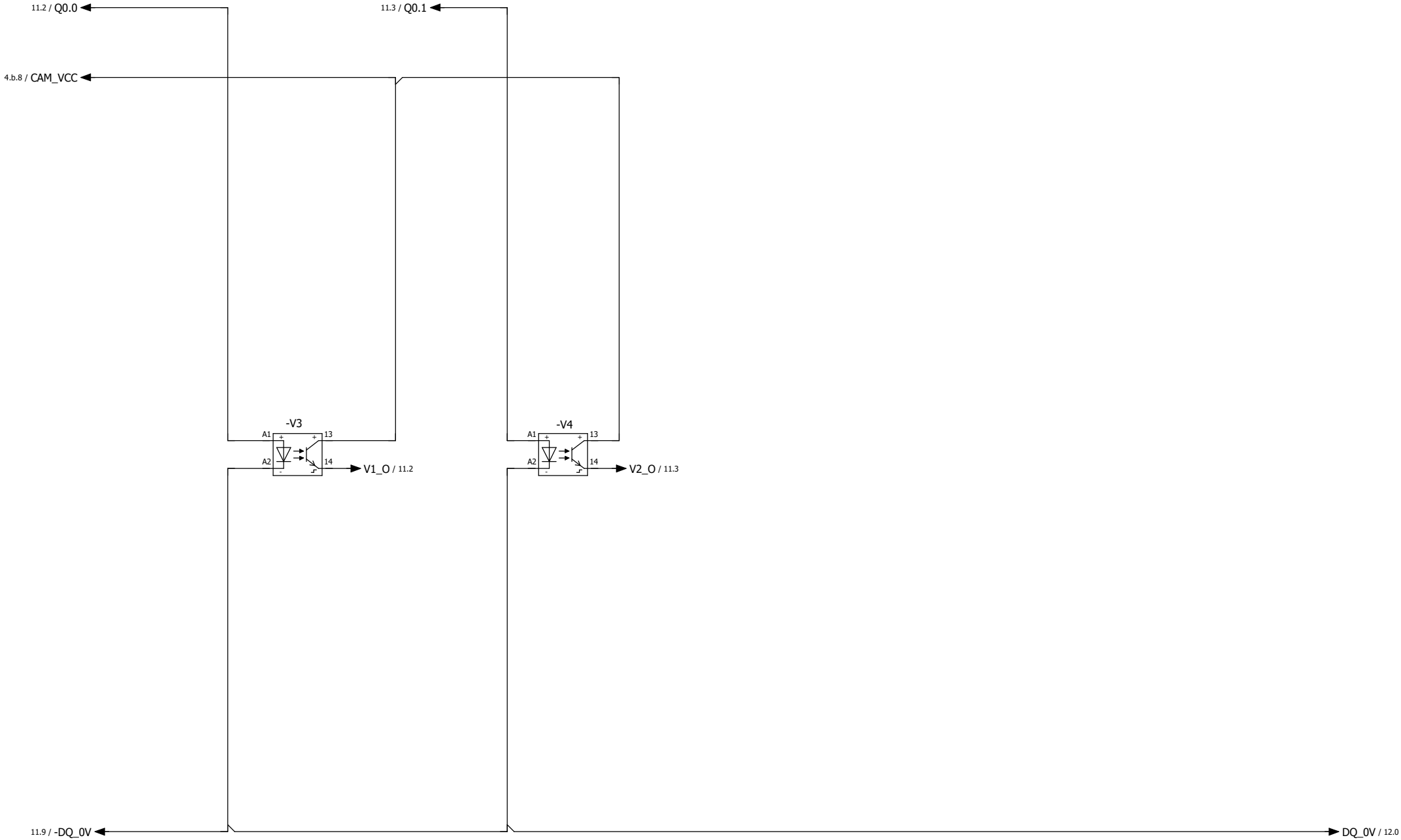
			Date	27. 05. 2019	Dejan	Dejan Rozic DR	SM 1231 - 4AI NAPAJANJE KARTICE ANALOGNI VHODOI		= PANEL + 1
			Ed	USER					
			Appr		Varovanje stiskalnice v1.0			1	Page 9.d
Modification	Date	Name	Original		Replacement of	Replaced by			Page 15 / 88



			Date	22. 02. 2019	Dejan		Dejan Rozic DR	PLC CPU Analogni Vhodi	= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0			1	Page 10
Modification	Date	Name	Original		Replacement of	Replaced by			Page 16 / 88

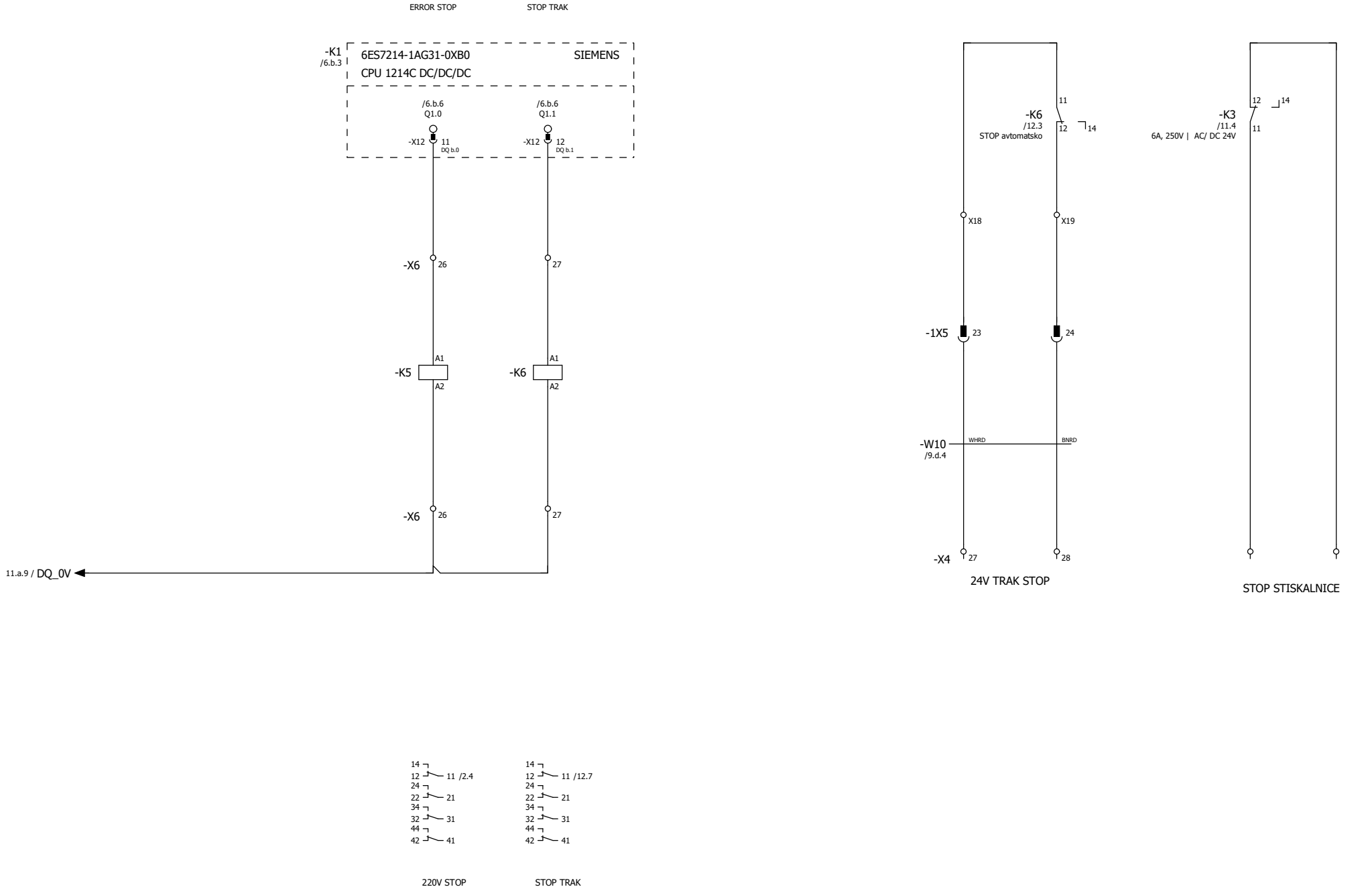


			Date	30. 05. 2019	Dejan	Dejan Rozic DR	PLC Q0.0 - Q1.0	= PANEL
			Ed	USER				+ 1
			Appr		Varovanje stiskalnice v1.0			
Modification	Date	Name	Original		Replacement of	Replaced by	1	Page 11
								Page 17 / 88



11 12

			Date	9. 04. 2019	Dejan	Dejan Rozic DR	CAM OUTPUT OPTOKOPLER		= PANEL
			Ed	USER					+ 1
			Appr		Varovanje stiskalnice v1.0			1	Page 11.a
Modification	Date	Name	Original		Replacement of	Replaced by			Page 18 / 88



11.a

+SBOX1/SenzorBox

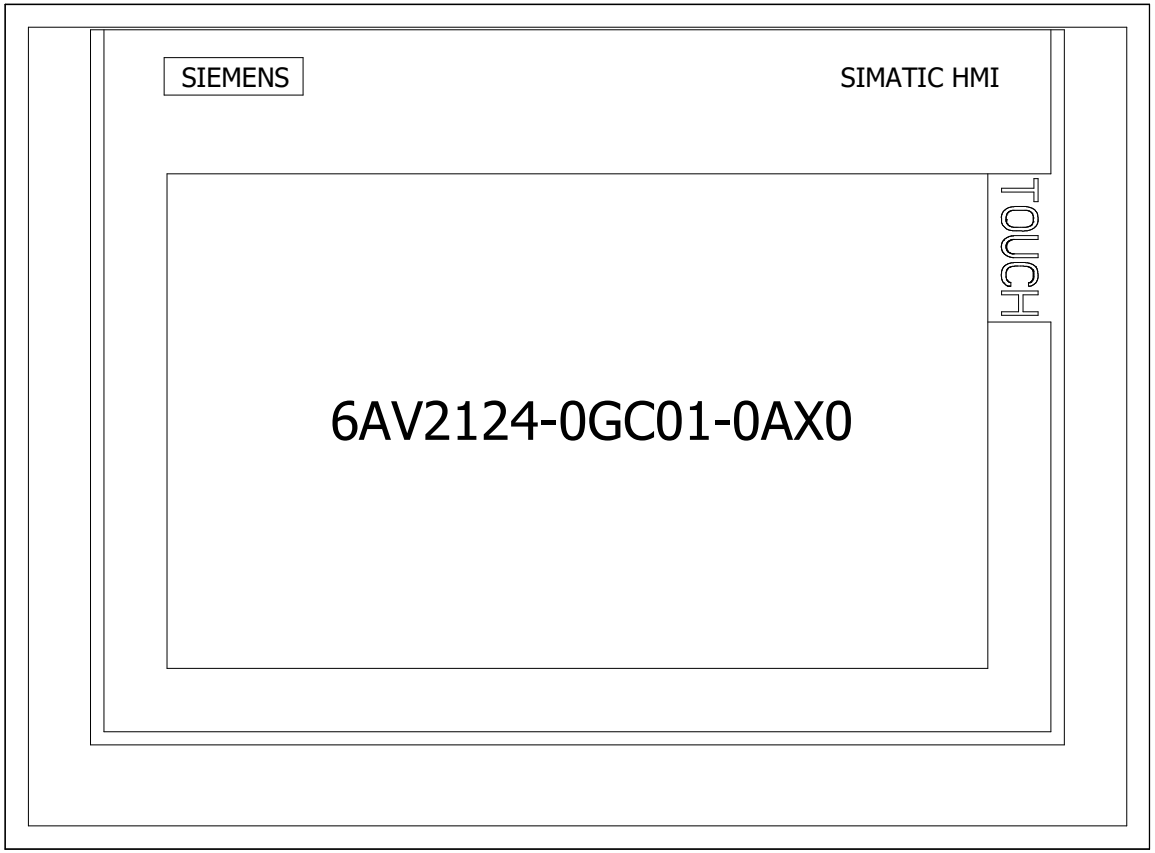
			Date	27. 05. 2019	Dejan		Dejan Rozic DR	PLC Q1.2-Q1.3 STOP AVT STOP STISKALNICE	= PANEL + 1
			Ed	USER					
			Appr		Varovanje stiskalnice v1.0				1
Modification	Date	Name	Original		Replacement of	Replaced by			Page 12 Page 19 / 88

+1/12

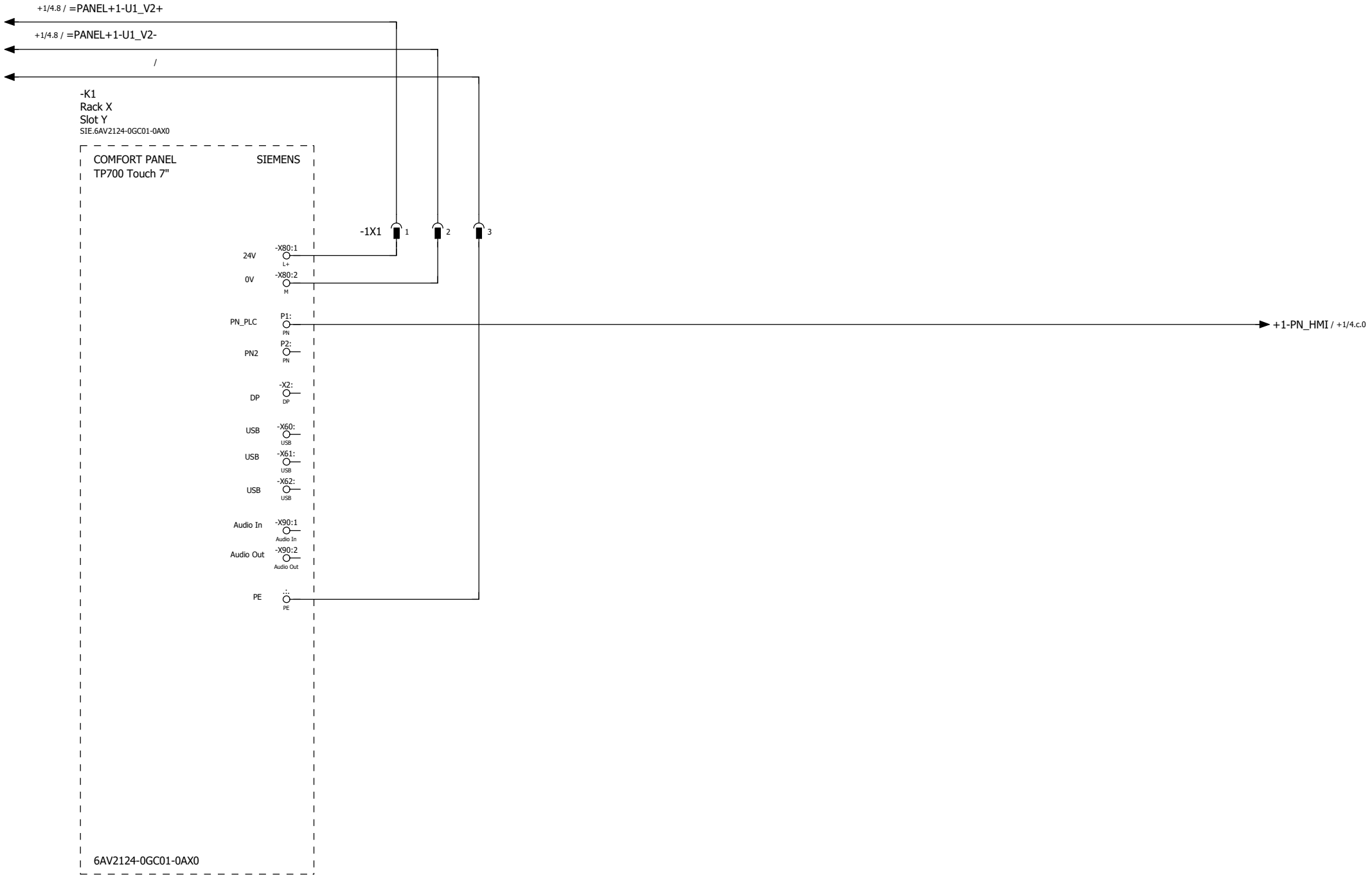
+HMI/30

			Date	12. 02. 2019	Dejan		Dejan Rozic DR	Napajanje	= PANEL
			Ed	USER					+ SBOX1
			Appr		Varovanje stiskalnice v1.0				
Modification	Date	Name	Original		Replacement of	Replaced by		1	Page SenzorBox
									Page 20 / 88

SIMATIC HMI TP700 COMFORT



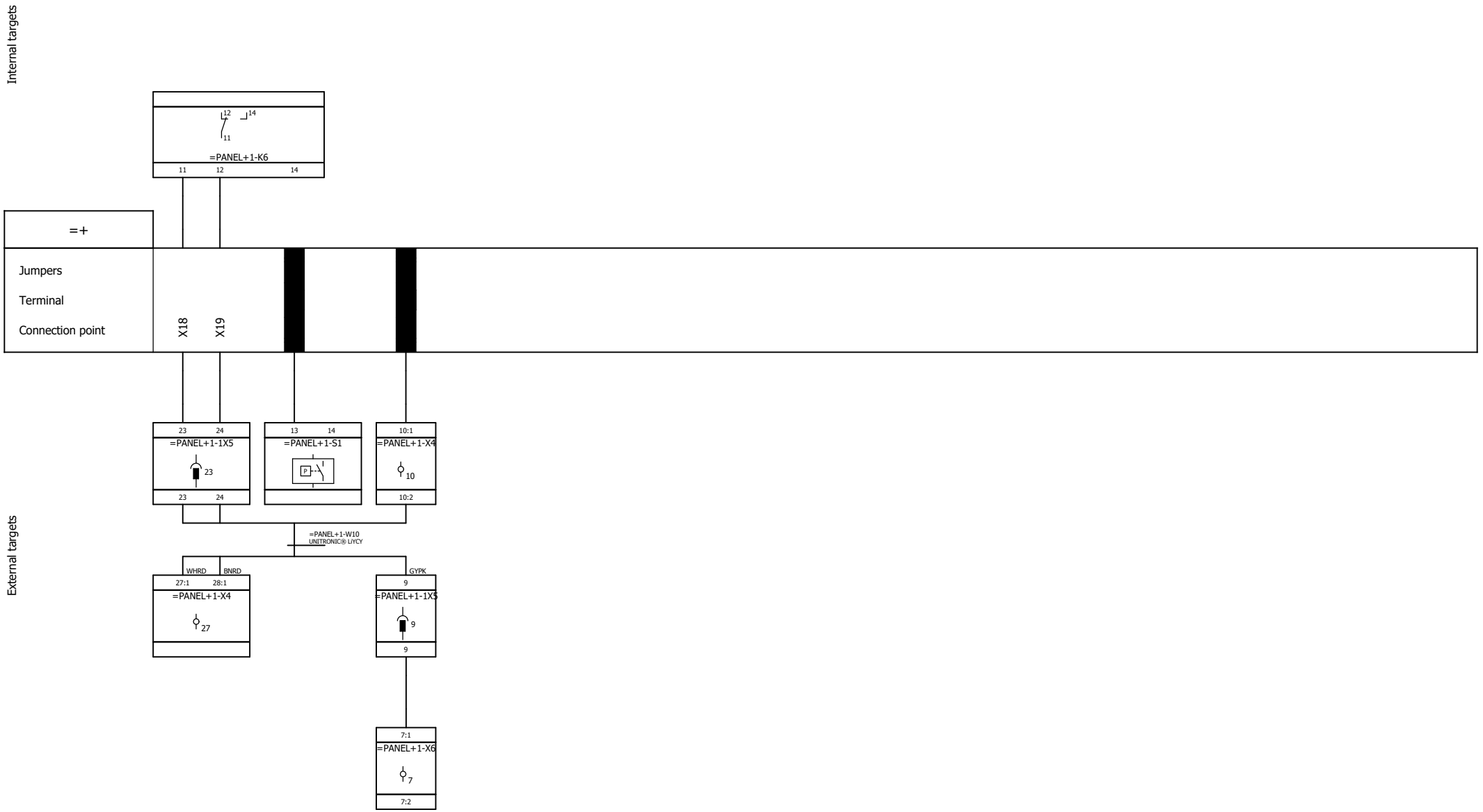
			Date	28. 02. 2019	Dejan		Dejan Rozic DR	Zaslon Model	= PANEL
			Ed	USER					+ HMI
			Appr		Varovanje stiskalnice v1.0				
Modification	Date	Name	Original		Replacement of	Replaced by		1	Page 30
									Page 21 / 88



			Date	11. 03. 2019	Dejan		Dejan Rozic DR	Zaslon Napajanje	= PANEL
			Ed	USER					+ HMI
			Appr		Varovanje stiskalnice v1.0				
Modification	Date	Name	Original		Replacement of	Replaced by		1	Page 31
									Page 22 / 88

Terminal-connection diagram

F11_001
USER 27. 05. 2019

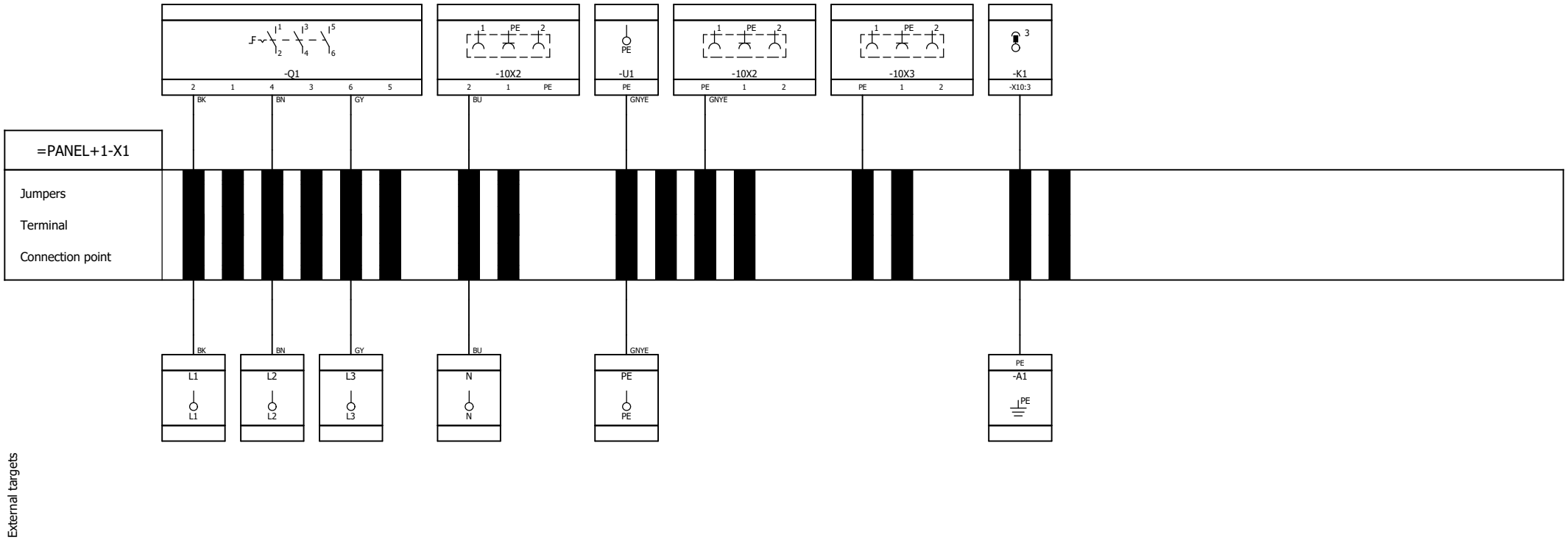


			Date	27. 05. 2019	Dejan		Dejan Rozic DR	Terminal-connection diagram =+	= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0			1	Page 1
Modification	Date	Name	Original		Replacement of	Replaced by			Page 23 / 88

Terminal-connection diagram

F11_001
USER 27. 05. 2019

Internal targets

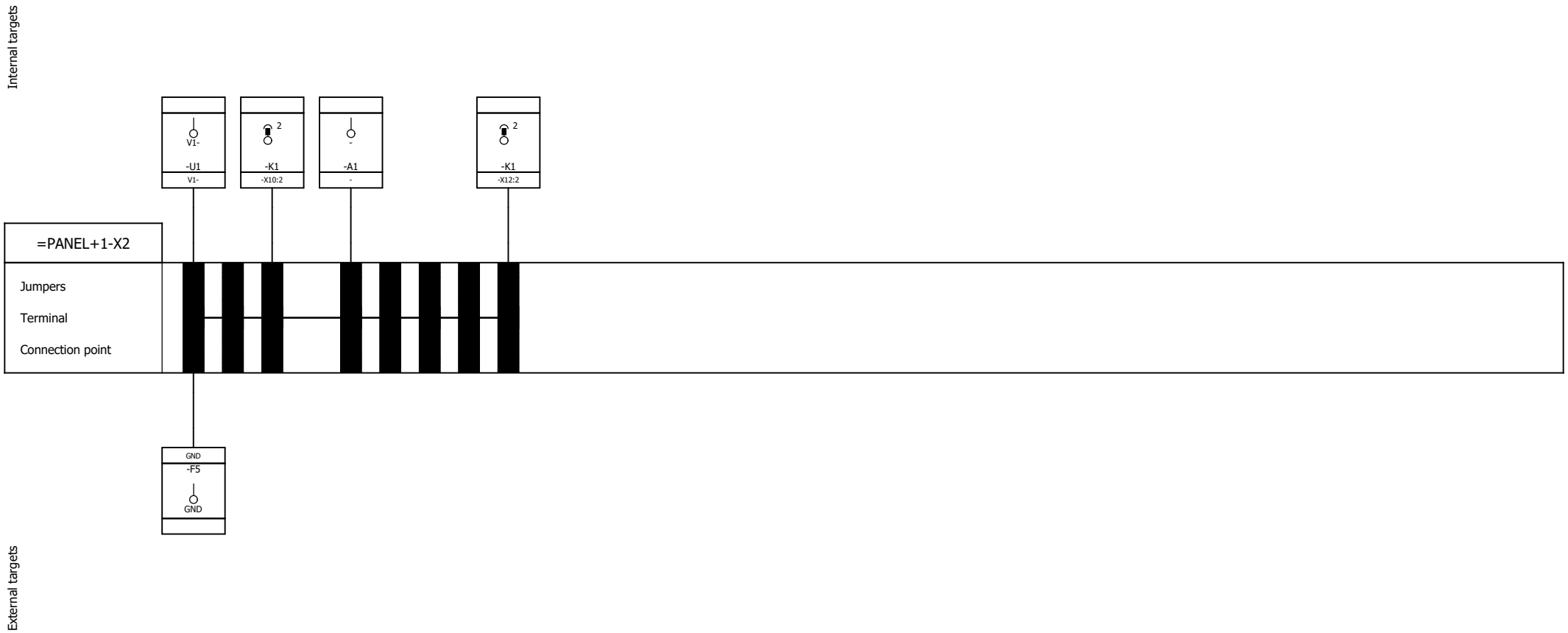


External targets

			Date	27. 05. 2019	Dejan		Dejan Rozic DR	Terminal-connection diagram =PANEL+1-X1	= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0			1	Page 2
Modification	Date	Name	Original		Replacement of	Replaced by			Page 24 / 88

Terminal-connection diagram

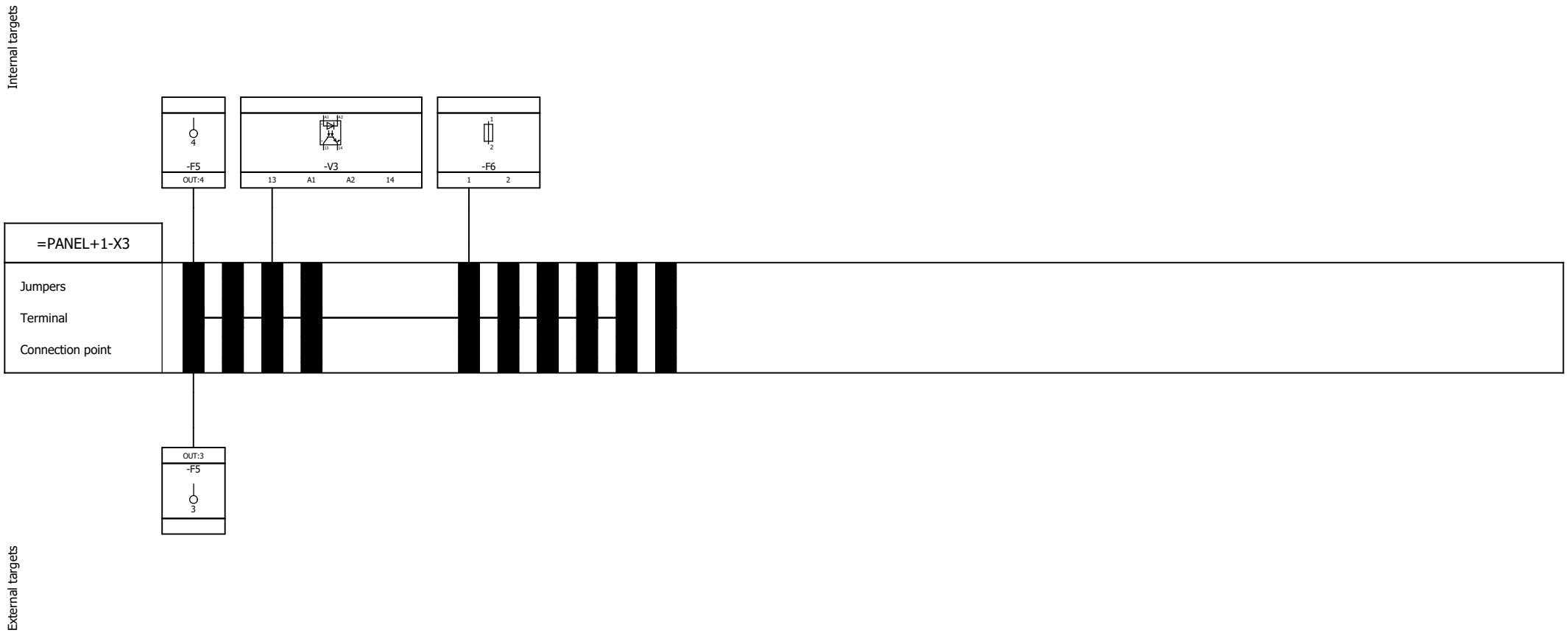
F11_001
USER 12. 03. 2019



			Date	12. 03. 2019	Dejan		Dejan Rozic DR	Terminal-connection diagram =PANEL+1-X2	= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0			1	Page 3
Modification	Date	Name	Original		Replacement of	Replaced by			Page 25 / 88

Terminal-connection diagram

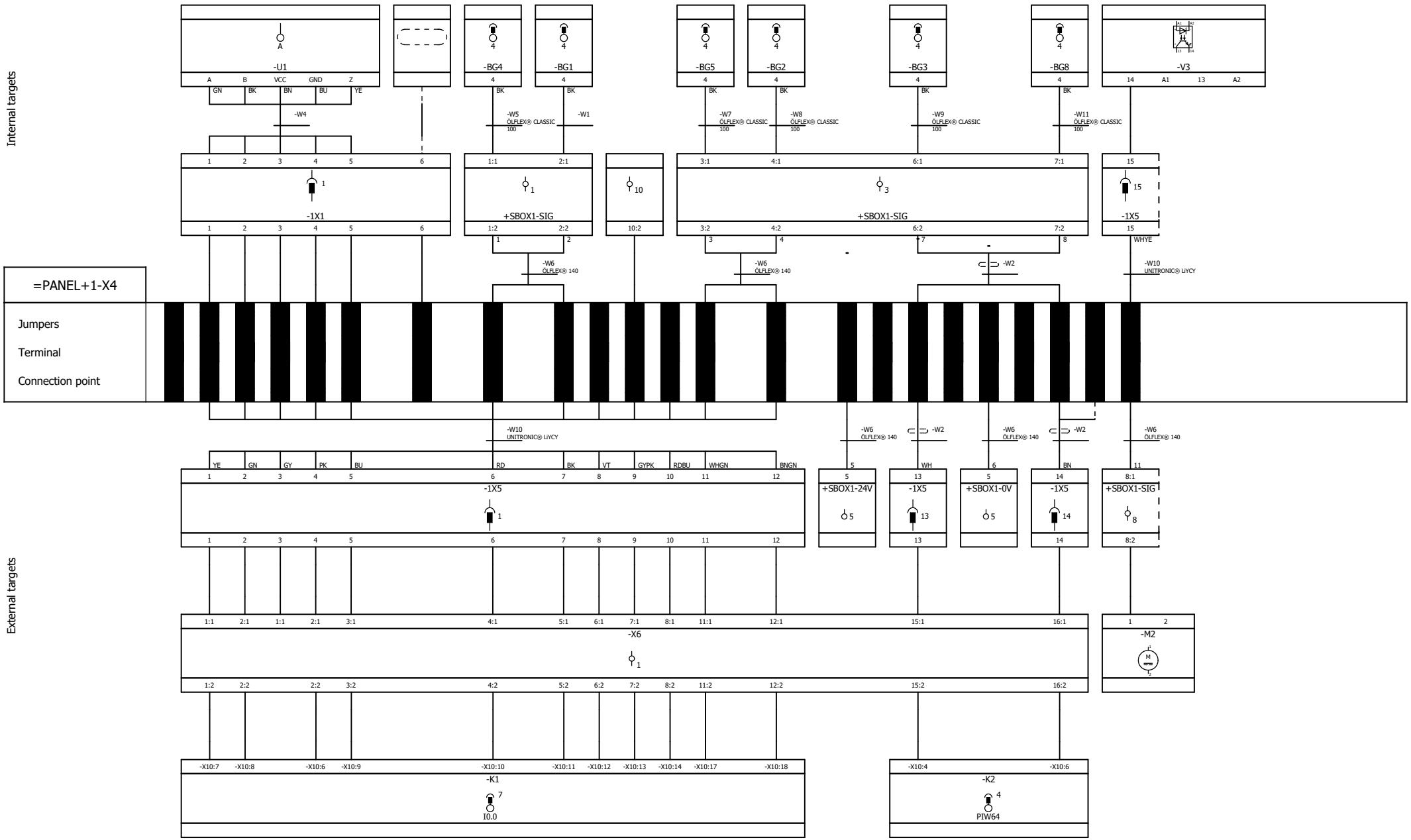
F11_001
USER 1. 03. 2019



			Date	1. 03. 2019	Dejan		Dejan Rozic DR	Terminal-connection diagram =PANEL+1-X3	= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0			1	Page 4
Modification	Date	Name	Original		Replacement of	Replaced by			Page 26 / 88

Terminal-connection diagram

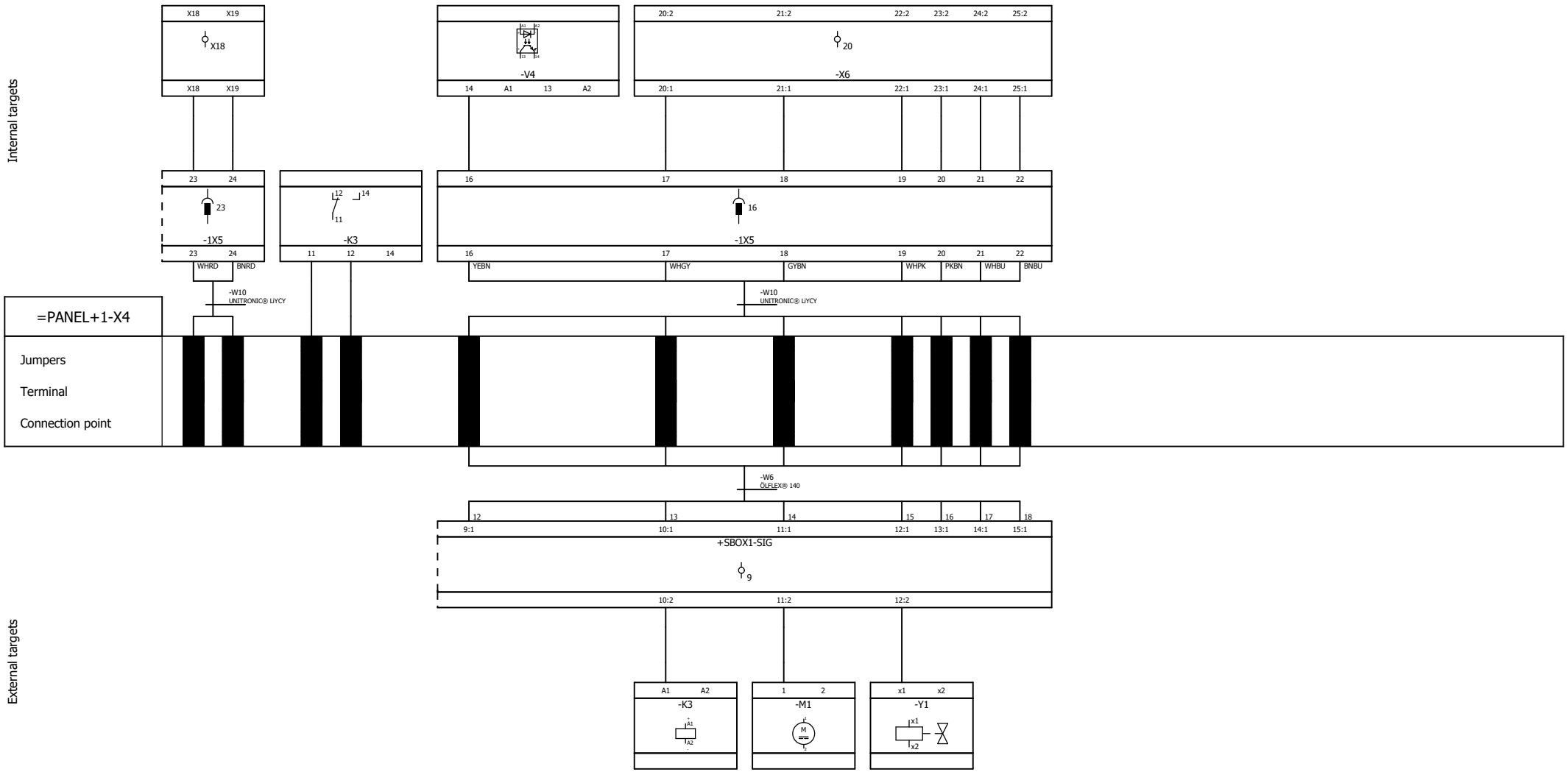
F11_001
USER 27. 05. 2019



			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Terminal-connection diagram =PANEL+1-X4	= REPORT
			Ed	USER				+
			Appr		Varovanje stiskalnice v1.0			
Modification	Date	Name	Original		Replacement of	Replaced by	1	Page 5
								Page 27 / 88

Terminal-connection diagram

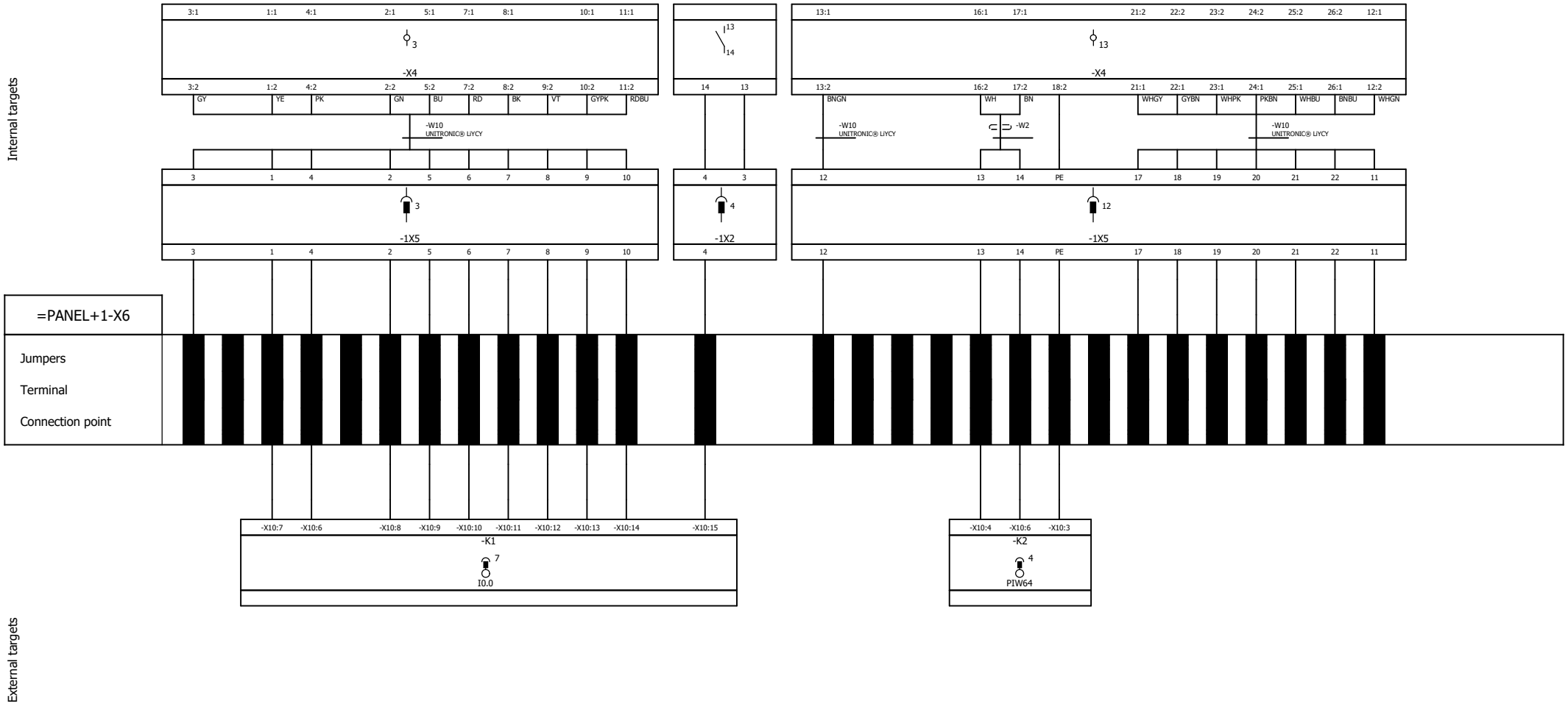
F11_001
USER 27. 05. 2019



			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Terminal-connection diagram =PANEL+1-X4		= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0			1	Page 6
Modification	Date	Name	Original		Replacement of	Replaced by			Page 28 / 88

Terminal-connection diagram

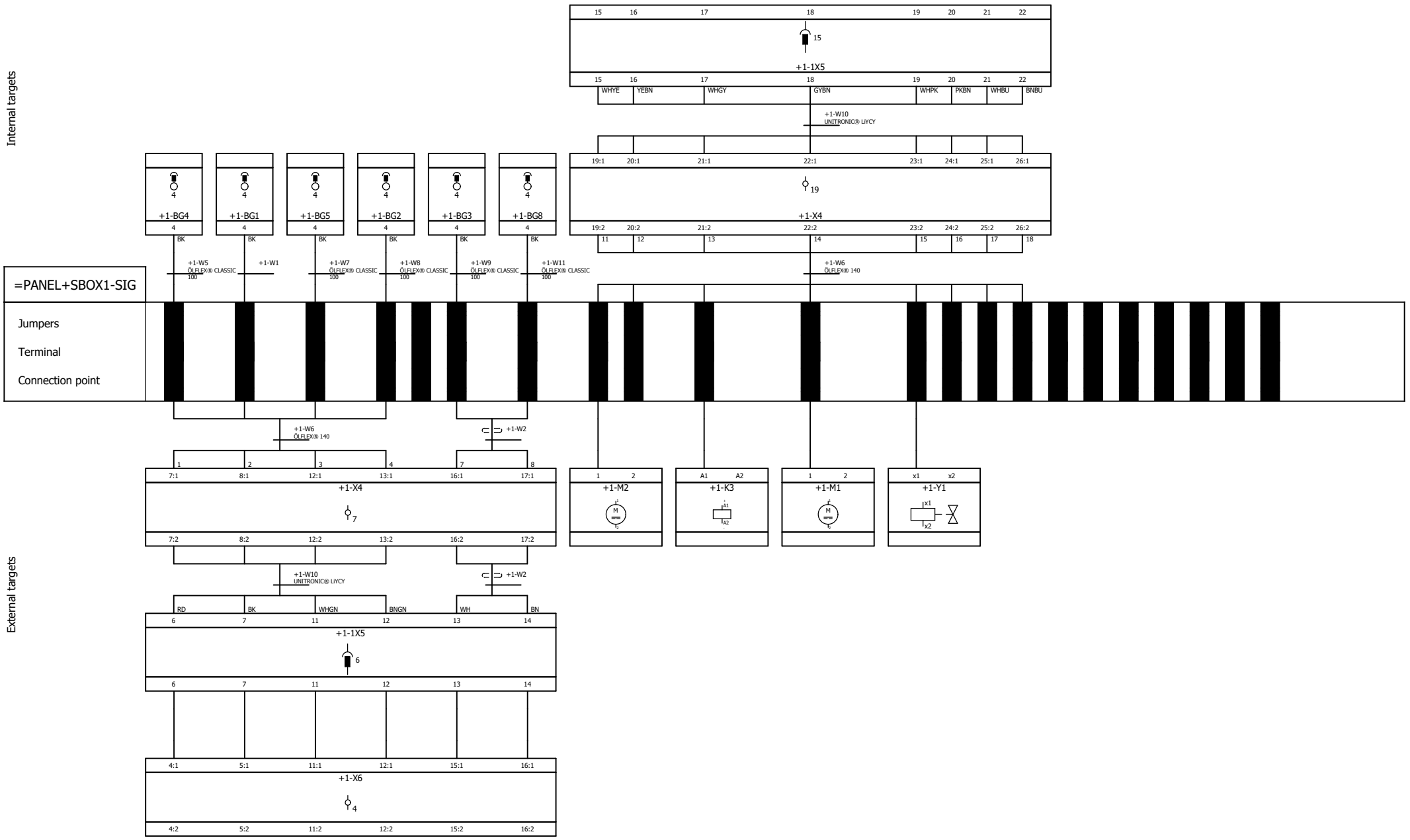
F11_001
USER 27. 05. 2019



			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Terminal-connection diagram =PANEL+1-X6	= REPORT
			Ed	USER				+
			Appr		Varovanje stiskalnice v1.0			1 Page 7
Modification	Date	Name	Original		Replacement of	Replaced by		Page 29 / 88

Terminal-connection diagram

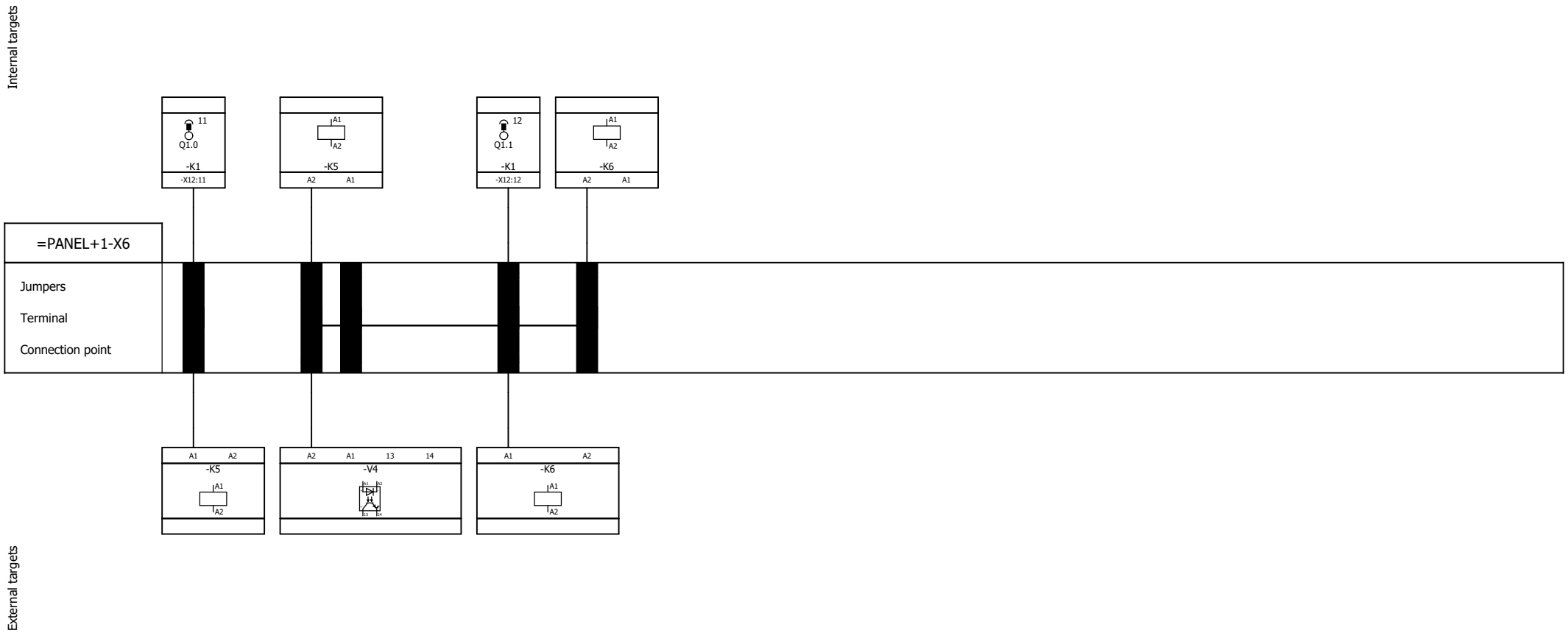
F11_001
USER 27. 05. 2019



			Date	27. 05. 2019	Dejan		Dejan Rozic DR	Terminal-connection diagram =PANEL+SBOX1-SIG	= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0			1	Page 8
Modification	Date	Name	Original		Replacement of	Replaced by			Page 30 / 88

Terminal-connection diagram

F11_001
USER 25. 03. 2019

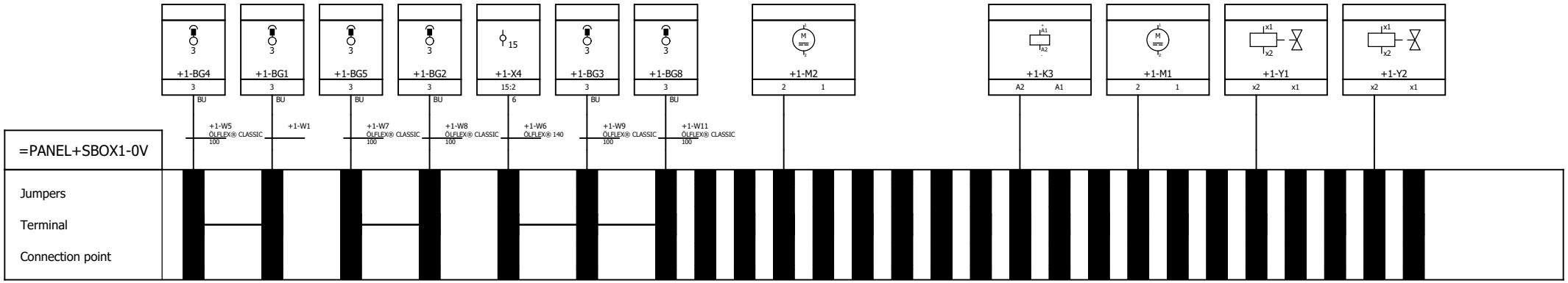


			Date	25. 03. 2019	Dejan		Dejan Rozic DR	Terminal-connection diagram =PANEL+1-X6	= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0			1	Page 9
Modification	Date	Name	Original		Replacement of	Replaced by			Page 31 / 88

Terminal-connection diagram

F11_001
USER 27. 05. 2019

Internal targets



External targets

			Date	27. 05. 2019	Dejan		Dejan Rozic DR	Terminal-connection diagram =PANEL+SBOX1-0V	= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0				
Modification	Date	Name	Original		Replacement of	Replaced by		1	Page 10
									Page 32 / 88

Terminal-connection diagram

F11_001
USER 12. 03. 2019

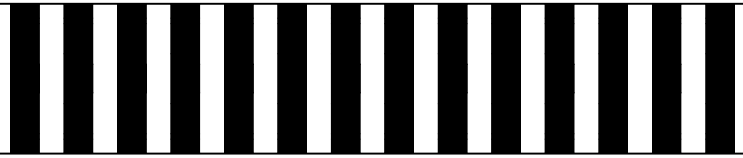
Internal targets

=PANEL+SBOX1-0V

Jumpers

Terminal

Connection point



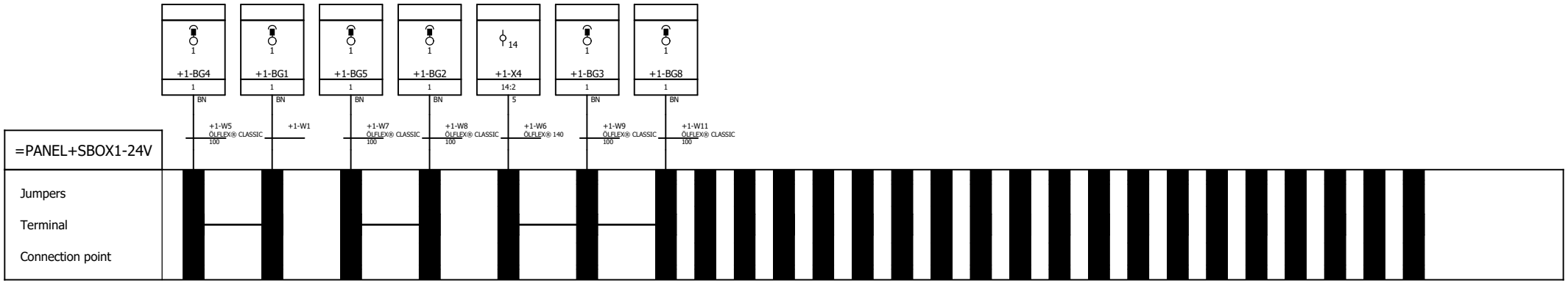
External targets

			Date	12. 03. 2019	Dejan		Dejan Rozic DR	Terminal-connection diagram =PANEL+SBOX1-0V	= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0				
Modification	Date	Name	Original		Replacement of	Replaced by		1	Page 11
									Page 33 / 88

Terminal-connection diagram

F11_001
USER 27. 05. 2019

Internal targets



External targets

			Date	27. 05. 2019	Dejan		Dejan Rozic DR	Terminal-connection diagram =PANEL+SBOX1-24V	= REPORT
			Ed	USER					+
			Appr		Varovanje stiskalnice v1.0				
Modification	Date	Name	Original		Replacement of	Replaced by		1	Page 12
									Page 34 / 88

PLC diagram

F19_001

Project name VarovanjeOrodja_SanJa

Device tag PLC	Address	Placement	Function text	Rack	Module	Symbolic address	Terminal
=+-1							
							1
							2
							3
							4
							5
							6
							7
							8
							9
							10
							11
							12
							13
							14
							15
							16
							17
							18
							19
							20
							1
							2
							3
							1
							2
							3
							4
							5
							6
							7

PLC diagram

F19_001

Project name VarovanjeOrodja_SanJa

Device tag PLC	Address	Placement	Function text	Rack	Module	Symbolic address	Terminal
=+-1							8
							9
							10
							11
							12

PLC diagram

F19_001

Project name VarovanjeOrodja_SanJa

Device tag PLC	Address	Placement	Function text	Rack	Module	Symbolic address	Terminal
=PANEL+1-K1		/6.b.6		Rack X	Slot Y		
		/7.3					1
		/7.4					2
		/7.5					3
		/7.5					4
		/7.6					5
		/8.1					6
		/10.4					1
		/11.1					1
		/11.2					2
	I0.0	/8.2	HSC A				7
	I0.1	/8.2	HSC B				8
	I0.2	/8.3	HSC RESET				9
	I0.3	/8.4	PRISOTNOST TRAKU				10
	I0.4	/8.5	MERJENJE VISINE VCA400				11
	I0.5	/8.5	RESERVE				12
	I0.6	/8.6	=				13
	I0.7	/8.7	PRISOTNOST ZRAKA				14
	I1.0	/9.3	Navijalec NOK				15
	I1.1	/9.3	RESERVE				16
	I1.2	/9.4	POMIK 1				17
	I1.3	/9.5	POMIK 2				18
	I1.4	/9.6	RESERVE				19
	I1.5	/9.6	=				20
	PIW0	/10.5	=				2
	PIW2	/10.6	=				3
	Q0.0	/11.2	CAM1 OUTPUT - PODAJANJE				3
	Q0.1	/11.3	CAM2 OUTPUT				4
	Q0.2	/11.4	IZKLOP STISKALNICE				5
	Q0.3	/11.5	TEKOČI TRAK				6
	Q0.4	/11.5	CAM 3 -IZPIHOVANJE				7

1.a

2.a

PLC diagram

F19_001

Project name VarovanjeOrodja_SanJa							
Device tag PLC	Address	Placement	Function text	Rack	Module	Symbolic address	Terminal
=PANEL+1-K1	Q0.5	/11.6	CAM 4 - MAZANJE	Rack X	Slot Y		8
	Q0.6	/11.7	RESERVE				9
	Q0.7	/11.8	=				10
	Q1.0	/12.3	ERROR STOP				11
	Q1.1	/12.3	STOP TRAK				12

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	PLC diagram : =PANEL+1-K1 - =PANEL+1-K1		= REPORT
			Ed	USER					+ PLC
			Appr		Varovanje stiskalnice v1.0			1	Page 2.a
Modification	Date	Name	Original		Replacement of	Replaced by			Page 38 / 88

PLC diagram

F19_001

Project name VarovanjeOrodja_SanJa

Device tag PLC	Address	Placement	Function text	Rack	Module	Symbolic address	Terminal
=PANEL+1-K2		/9.d.4		Rack X	Slot Y		1
		/9.d.4					2
		/9.d.4					3
	PIW64	/9.d.4	Senzor U1+				4
	PIW64	/9.d.4	Senzor U1-				5
	PIW66	/9.d.5	Senzor U2+				6
	PIW66	/9.d.5	Senzor U2-				7
	PIW68	/9.d.5					4
	PIW68	/9.d.5					5
	PIW70	/9.d.5					6
	PIW70	/9.d.6					7

PLC diagram

F19_001

Project name VarovanjeOrodja_SanJa

Device tag PLC	Address	Placement	Function text	Rack	Module	Symbolic address	Terminal
=PANEL+HMI-K1				Rack X	Slot Y		
							1
		/31.2	0V				2
		/31.2	Audio In				1
		/31.2	Audio Out				2
		/31.2	PE				.
		/31.2	DP				
		/31.2	USB				
		/31.2	=				
		/31.2	=				
		/31.2	24V				1
		/31.2	PN_PLC				
		/31.2	PN2				

			Date	1. 03. 2019	Dejan	Dejan Rozic DR	PLC diagram : =PANEL+HMI-K1 - =PANEL+HMI-K1		= REPORT
			Ed	USER					+ PLC
			Appr		Varovanje stiskalnice v1.0			1	Page 4
Modification	Date	Name	Original		Replacement of	Replaced by			Page 40 / 88

Parts list

F01_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
	1	SIMATIC HMI TP700 COMFORT	6AV2124-0GC01-0AX0	SIE	SIE.6AV2124-0GC01-0AX0
	2	ANALOG INPUT SM 1231, 4AI 16BIT	6ES7231-5ND32-0XB0	SIE	SIE.6ES7231-5ND32-0XB0
	0				
-1	1	CPU 1214C, DC/DC/DC, 14DI/10DO/2AI	6ES7214-1AG31-0XB0	SIE	SIE.6ES7214-1AG31-0XB0

Parts list

F01_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=PANEL+1-A1	1	Network switch (unmanaged)	IE-SW-BL05-5TX	WEI	WEI.1240840000
=PANEL+1-BG1	1	Digital controler	VCA 400	VES	VCA 400
=PANEL+1-BG2	1	Inductive proximity sensor	ISS-20-30-1-A S	VES	6620-30151-000
=PANEL+1-BG3	1	Inductive proximity sensor	ISS-20-30-1-A S	VES	6620-30151-000
=PANEL+1-BG4	1	Inductive sensor	BI1.5-EH6.5K-AP6X-V1131	TUR	4610740
=PANEL+1-BG5	1	Sensor power module for senors	S2-W-4-P2	VES	2000-00008-406
=PANEL+1-BG6	1	Sensor power module for senors	S2-W-4-P2	VES	2000-00008-406
=PANEL+1-BG7	1	Inductive proximity sensor	ISS-20-30-1-A S	VES	6620-30151-000
=PANEL+1-BG8	1	Inductive proximity sensor	ISS-20-30-1-A S	VES	6620-30151-000
=PANEL+1-F1	1	ETIMAT 6 1p B4	002111511	ETI	ETI.002111511
=PANEL+1-F2	1	ETIMAT 6 1p B4	002111511	ETI	ETI.002111511
=PANEL+1-F3	1	Fuse terminal	WSI 6	WEI	WEI.1011000000
=PANEL+1-F4	1	Fuse terminal	WSI 6	WEI	WEI.1011000000
=PANEL+1-F5	1	(DE) MICO BASIC 4.2 / 24VDC/4*2A	MICO BASIC 4.2	MURR	MURR.9000-41064-0200000
=PANEL+1-F5	4				MURR.996078
=PANEL+1-F5	1				MURR.9000-41034-0000002
=PANEL+1-F6	1	Fuse terminal	WSI 6	WEI	WEI.1011000000
=PANEL+1-F7	1	Fuse terminal	WSI 6	WEI	WEI.1011000000
=PANEL+1-F8	1	Fuse terminal	WSI 6	WEI	WEI.1011000000
=PANEL+1-K1	0				
=PANEL+1-K2	1	ANALOG INPUT SM 1231, 4AI 16BIT	6ES7231-5ND32-0XB0	SIE	SIE.6ES7231-5ND32-0XB0
=PANEL+1-K3	1	RSL1PVBU	RSL1PVBU		RSL1PVBU
=PANEL+1-K5	1	PT570024	PT570024	SCH	PT570024
=PANEL+1-K6	1	PT570024	PT570024	SCH	PT570024
=PANEL+1-M1	0				
=PANEL+1-M2	0				
=PANEL+1-Q1	1	Main power switch 3P	IN802001	SCH	IN802001
=PANEL+1-S1	0				
=PANEL+1-U1	1	AC/DC Power supply	EDR-120-24	MW	EDR-120-24
=PANEL+1-U1.1	1	Incremental encoder	IRD 5810	PSM	IRD5810
=PANEL+1-U2	1	AC/DC Power supply	EDR-75-24	Tipteh	EDR-75-24
=PANEL+1-V3	1	Optocoupler	TOS 24VDC/24VDC 4A	TipTeh	TOS 24VDC/24VDC 4A
=PANEL+1-V4	1	Optocoupler	TOS 24VDC/24VDC 4A	TipTeh	TOS 24VDC/24VDC 4A
=PANEL+1-X1	0				
=PANEL+1-X2	0				
=PANEL+1-X3	0				
=PANEL+1-X4	1	Feed-through terminal block	WDU 2.5	WEI	WEI.1020000000
=PANEL+1-X4	0				
=PANEL+1-X6	0				
=PANEL+1-1X2	1	Han 3A	Han 3A	ELS	Han 3A
=PANEL+1-10X2	1		71094		71094
=PANEL+1-10X3	1		71094		71094
=PANEL+1-Y1	0				
=PANEL+1-Y2	0				

Parts list

F01_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=PANEL+10-?X	0				
=PANEL_Z+10-?X	1	Terminal rail	TS 35X7.5 2M/ST/ZN	WEI	WEI.0383400000

1.a

1.c

			Date	1. 03. 2019	Dejan	Dejan Rozic DR	Parts list : - WEI.0383400000		= REPORT
			Ed	USER					+ BOM
			Appr		Varovanje stiskalnice v1.0			1	Page 1.b
Modification	Date	Name	Original		Replacement of	Replaced by			Page 43 / 88

Parts list

F01_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=PANEL+SBOX1-SIG	0				
=PANEL+SBOX1-0V	0				
=PANEL+SBOX1-24V	0				

1.b

1.d

			Date	1. 03. 2019	Dejan		Dejan Rozic DR	Parts list : -	= REPORT
			Ed	USER					+ BOM
			Appr		Varovanje stiskalnice v1.0			1	Page 1.c
Modification	Date	Name	Original		Replacement of	Replaced by			Page 44 / 88

Parts list

F01_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=PANEL+HMI-K1	1	SIMATIC HMI TP700 COMFORT	6AV2124-0GC01-0AX0	SIE	SIE.6AV2124-0GC01-0AX0
=PANEL+HMI-1X1	1	Han 3A	Han 3A	ELS	Han 3A

1.c

1.e

Parts list

F01_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=PANEL+GEO-A1	1	Network switch (unmanaged)	IE-SW-BL05-5TX	WEI	WEI.1240840000
=PANEL+GEO-F1	1	ETIMAT 6 1p B4	002111511	ETI	ETI.002111511
=PANEL+GEO-F2	1	ETIMAT 6 1p B4	002111511	ETI	ETI.002111511
=PANEL+GEO-F5	1	(DE) MICO BASIC 4.2 / 24VDC/4*2A	MICO BASIC 4.2	MURR	MURR.9000-41064-0200000
=PANEL+GEO-K1	1	CPU 1214C, DC/DC/DC, 14DI/10DO/2AI	6ES7214-1AG31-0XB0	SIE	SIE.6ES7214-1AG31-0XB0
=PANEL+GEO-K2	1	ANALOG INPUT SM 1231, 4AI 16BIT	6ES7231-5ND32-0XB0	SIE	SIE.6ES7231-5ND32-0XB0
=PANEL+GEO-K9	1	RSL1PVBU	RSL1PVBU		RSL1PVBU
=PANEL+GEO-Q1	1	Main power switch 3P	IN802001	SCH	IN802001
=PANEL+GEO-U1	1	AC/DC Power supply	EDR-120-24	MW	EDR-120-24
=PANEL+GEO-U2	1	AC/DC Power supply	EDR-75-24	Tipteh	EDR-75-24
=PANEL+GEO-V1	1	Optocoupler	TOS 24VDC/24VDC 4A	TipTeh	TOS 24VDC/24VDC 4A
=PANEL+GEO-V2	1	Optocoupler	TOS 24VDC/24VDC 4A	TipTeh	TOS 24VDC/24VDC 4A
=PANEL+GEO-X1	0				
=PANEL+GEO-X2	0				
=PANEL+GEO-X3	0				
=PANEL+GEO-1X5	0				
=PANEL+GEO-10X2	1		71094		71094
=PANEL+GEO-10X3	1		71094		71094
=2D+GEO-K2	1	SIMATIC HMI TP700 COMFORT	6AV2124-0GC01-0AX0	SIE	SIE.6AV2124-0GC01-0AX0
=2D+GEO-M1	1				WSM6060210
=2D+GEO-M1	0				
=2D+GEO-M2	1				KL 1529.510
=2D+GEO-M2	1				GA 9110.210
=2D+GEO-M2	1				GA 9113.210
=2D+GEO-M3	1				KL 1529.510
=2D+GEO-M4	0				
=2D+GEO-M5	0				
=2D+GEO-M7	0				
=2D+GEO-M8	0				
=2D+GEO-T3	1	Terminal rail	TS 35X7.5/LL 1M/ST/ZN	WEI	WEI.0514510000
=2D+GEO-T4	2	Terminal rail	TS 35X7.5/LL 1M/ST/ZN	WEI	WEI.0514510000

1.d

1.f

			Date	25. 03. 2019	Dejan	Dejan Rozic DR	Parts list : WEI.1240840000 - WEI.0514510000		= REPORT
			Ed	USER					+ BOM
			Appr		Varovanje stiskalnice v1.0			1	Page 1.e
Modification	Date	Name	Original		Replacement of	Replaced by			Page 46 / 88

Parts list

F01_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=ODVIJALEC+OMA1-BG1	1	Sensor power module for senors	S2-W-4-P2	VES	2000-00008-406
=ODVIJALEC+OMA1-F1	0				
=ODVIJALEC+OMA1-F2	0				
=ODVIJALEC+OMA1-H1	0				
=ODVIJALEC+OMA1-H2	0				
=ODVIJALEC+OMA1-K1	1	PT570024	PT570024	SCH	PT570024
=ODVIJALEC+OMA1-K2	1	PT570024	PT570024	SCH	PT570024
=ODVIJALEC+OMA1-K3	1	PT570024	PT570024	SCH	PT570024
=ODVIJALEC+OMA1-K4	1	PT570024	PT570024	SCH	PT570024
=ODVIJALEC+OMA1-M1	0				
=ODVIJALEC+OMA1-Q1	1	Main power switch 3P	IN802001	SCH	IN802001
=ODVIJALEC+OMA1-Q2	0				
=ODVIJALEC+OMA1-R1	0				
=ODVIJALEC+OMA1-S1	0				
=ODVIJALEC+OMA1-S2	0				
=ODVIJALEC+OMA1-S3	0				
=ODVIJALEC+OMA1-S4	0				
=ODVIJALEC+OMA1-S5	0				
=ODVIJALEC+OMA1-S6	0				
=ODVIJALEC+OMA1-S7	0				
=ODVIJALEC+OMA1-S8	0				
=ODVIJALEC+OMA1-T1	1	Power supply	CP SNT 48W 24V 2A	WEI	WEI.8739140000
=ODVIJALEC+OMA1-U1	1				FR-E700
=ODVIJALEC+OMA1-X1	0				
=ODVIJALEC+OMA1-X2	0				
=ODVIJALEC+OMA1-X3	0				

Cable diagram

F09_001

Cable name	Cable type		No. of conductors		Cross-section	Cable length		Function text
=PANEL+1-W1			5G		0,5			4X0.25 M12 4PIN
Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
	/8.5	+SBOX1-0V	2	BU	-BG1	3	/7.a.4	
	/8.4	+SBOX1-24V	2	BN	-BG1	1	/7.a.4	
	/8.5	+SBOX1-SIG	2:1	BK	-BG1	4	/7.a.4	
				WH				
				GY				

Cable diagram

F09_001

Cable name	Cable type		No. of conductors		Cross-section	Cable length		Function text
=PANEL+1-W2			3G		0,25	2		3X0.25 M8 3PIN
Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
	/7.a.4	-BG1	3	BU	-BG2	3	/7.a.4	
				BN				
	/7.a.4	-BG1	4	BK	-BG2	4	/7.a.4	
				WH				
				GY				
	/9.d.4	-X4	16:1	7	+SBOX1-SIG	6:2	/9.d.4	
	/9.d.6	-X4	17:1	8	+SBOX1-SIG	7:2	/9.d.6	
	/9.d.6	-X4	17:2	BN	-1X5	14	/9.d.6	
	/9.d.6	-X4	18:2	SH	-W2	SH	/7.a.4	3X0.25 M8 3PIN
	/9.d.4	-X4	16:2	WH	-1X5	13	/9.d.4	

			Date	25. 03. 2019	Dejan	Dejan Rozic DR	Cable diagram =PANEL+1-W2	= REPORT
			Ed	USER				+ CABLE
			Appr		Varovanje stiskalnice v1.0			
Modification	Date	Name	Original		Replacement of	Replaced by	1	Page 7
								Page 49 / 88

Cable diagram

F09_001

Cable name	Cable type		No. of conductors		Cross-section	Cable length		Function text
=PANEL+1-W3			5G		0,5	2		3X0.25 M8 3PIN
Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
	/7.a.4	-BG1	3	BU	-BG3	3	/7.a.4	
	/7.a.4	-BG1	1	BN	-BG3	1	/7.a.4	
	/7.a.4	-BG1	4	BK	-BG3	4	/7.a.4	
				WH				
				GY				

			Date	25. 03. 2019	Dejan	Dejan Rozic DR	Cable diagram =PANEL+1-W3	= REPORT
			Ed	USER				+ CABLE
			Appr		Varovanje stiskalnice v1.0			
Modification	Date	Name	Original		Replacement of	Replaced by	1	Page 8
								Page 50 / 88

Cable diagram

F09_001

Cable name =PANEL+1-W4	Cable type		No. of conductors		Cross-section	Cable length		Function text
Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
	/8.2	-1X1	2	BK	-U1	B	/8.2	
	/8.3	-1X1	3	BN	-U1	VCC	/8.3	
	/8.3	-1X1	4	BU	-U1	GND	/8.3	
	/8.2	-1X1	1	GN	-U1	A	/8.1	
	/8.3	-1X1	5	YE	-U1	Z	/8.2	

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Cable diagram =PANEL+1-W4	= REPORT
			Ed	USER				+ CABLE
			Appr		Varovanje stiskalnice v1.0			
Modification	Date	Name	Original		Replacement of	Replaced by	1	Page 9
								Page 51 / 88

Cable diagram

F09_001

Cable name	Cable type		No. of conductors		Cross-section	Cable length		Function text
=PANEL+1-W5	ÖLFLEX® CLASSIC 100		5G		0,5			
Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
	/8.4	+SBOX1-0V	1	BU	-BG4	3	/8.4	
	/8.4	+SBOX1-24V	1	BN	-BG4	1	/8.4	
	/8.4	+SBOX1-SIG	1:1	BK	-BG4	4	/8.4	

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Cable diagram =PANEL+1-W5	= REPORT
			Ed	USER				+ CABLE
			Appr		Varovanje stiskalnice v1.0			
Modification	Date	Name	Original		Replacement of	Replaced by	1	Page 10
								Page 52 / 88

Cable diagram

F09_001

Cable name	Cable type	No. of conductors	Cross-section	Cable length	Function text
=PANEL+1-W6	ÖLFLEX® 140	25	0,5		

Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
				GNYE				
	/8.4	-X4	7:1	1	+SBOX1-SIG	1:2	/8.4	
	/8.5	-X4	8:1	2	+SBOX1-SIG	2:2	/8.5	
	/9.4	-X4	12:1	3	+SBOX1-SIG	3:2	/9.4	
	/9.5	-X4	13:1	4	+SBOX1-SIG	4:2	/9.5	
Sponke nad stiskalnico	/9.d.2	-X4	14:2	5	+SBOX1-24V	5	/9.d.2	
	/9.d.2	-X4	15:2	6	+SBOX1-0V	5	/9.d.2	
				7				
				8				
				9				
				10				
	/11.2	-X4	19:2	11	+SBOX1-SIG	8:1	/11.2	
	/11.3	-X4	20:2	12	+SBOX1-SIG	9:1	/11.3	
	/11.4	-X4	21:2	13	+SBOX1-SIG	10:1	/11.4	
	/11.5	-X4	22:2	14	+SBOX1-SIG	11:1	/11.5	
	/11.5	-X4	23:2	15	+SBOX1-SIG	12:1	/11.5	
	/11.6	-X4	24:2	16	+SBOX1-SIG	13:1	/11.6	
	/11.7	-X4	25:2	17	+SBOX1-SIG	14:1	/11.7	
	/11.8	-X4	26:2	18	+SBOX1-SIG	15:1	/11.8	
				19				
				20				
				21				
				22				
				23				
				24				

Cable diagram

F09_001

Cable name	Cable type	No. of conductors	Cross-section	Cable length	Function text
=PANEL+1-W7	ÖLFLEX® CLASSIC 100	5G	0,5	2	M12 4PIN 4x0.25

Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
	/9.4	+SBOX1-0V	3	BU	-BG5	3	/9.4	
	/9.4	+SBOX1-24V	3	BN	-BG5	1	/9.4	
	/9.4	+SBOX1-SIG	3:1	BK	-BG5	4	/9.4	
				WH				
				GY				

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Cable diagram =PANEL+1-W7	= REPORT
			Ed	USER				+ CABLE
			Appr		Varovanje stiskalnice v1.0			
Modification	Date	Name	Original		Replacement of	Replaced by	1	Page 12
								Page 54 / 88

Cable diagram

F09_001

Cable name	Cable type	No. of conductors	Cross-section	Cable length	Function text
=PANEL+1-W8	ÖLFLEX® CLASSIC 100	5G	0,5	2	M12 4PIN 4x0.25

Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
	/9.5	+SBOX1-0V	4	BU	-BG2	3	/9.5	
	/9.6	+SBOX1-24V	4	BN	-BG2	1	/9.5	
	/9.5	+SBOX1-SIG	4:1	BK	-BG2	4	/9.5	
				WH				
				GY				

Cable overview

F10_001

Cable name	Source (from)	Target (to)	Cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	Function text	Graphical page of cable diagram
=PANEL+1-W1	=PANEL+SBOX1-SIG	=PANEL+1-BG1		5G	3	0,5		4X0.25 M12 4PIN	=REPORT+CABLE/6
	=PANEL+SBOX1-24V								
	=PANEL+SBOX1-0V								
=PANEL+1-W2	=PANEL+1-X4	=PANEL+1-1X5		3G	6	0,25	2	3X0.25 M8 3PIN	=REPORT+CABLE/7
	=PANEL+1-BG1	=PANEL+SBOX1-SIG							
		=PANEL+1-BG2							
=PANEL+1-W3	=PANEL+1-BG1	=PANEL+1-BG3		5G	3	0,5	2	3X0.25 M8 3PIN	=REPORT+CABLE/8
=PANEL+1-W4	=PANEL+1-1X1	=PANEL+1-U1			5				=REPORT+CABLE/9
=PANEL+1-W5	=PANEL+SBOX1-SIG	=PANEL+1-BG4	ÖLFLEX® CLASSIC 100	5G	3	0,5			=REPORT+CABLE/10
	=PANEL+SBOX1-24V								
	=PANEL+SBOX1-0V								
=PANEL+1-W6	=PANEL+1-X4	=PANEL+SBOX1-SIG	ÖLFLEX® 140	25	14	0,5			=REPORT+CABLE/11
		=PANEL+SBOX1-24V							
		=PANEL+SBOX1-0V							
=PANEL+1-W7	=PANEL+SBOX1-SIG	=PANEL+1-BG5	ÖLFLEX® CLASSIC 100	5G	3	0,5	2	M12 4PIN 4x0.25	=REPORT+CABLE/12
	=PANEL+SBOX1-0V								
	=PANEL+SBOX1-24V								
=PANEL+1-W8	=PANEL+SBOX1-SIG	=PANEL+1-BG2	ÖLFLEX® CLASSIC 100	5G	3	0,5	2	M12 4PIN 4x0.25	=REPORT+CABLE/13
	=PANEL+SBOX1-0V								
	=PANEL+SBOX1-24V								
=PANEL+1-W9	=PANEL+SBOX1-SIG	=PANEL+1-BG3	ÖLFLEX® CLASSIC 100	5G	3	0,5			
	=PANEL+SBOX1-0V								
	=PANEL+SBOX1-24V								
=PANEL+1-W10	=PANEL+1-X4	=PANEL+1-1X5	UNITRONIC® LiYCY	30	22	0,75			
=PANEL+1-W11	=PANEL+SBOX1-SIG	=PANEL+1-BG8	ÖLFLEX® CLASSIC 100	5G	3	0,5			
	=PANEL+SBOX1-0V								
	=PANEL+SBOX1-24V								

Cable overview

F10_001

Cable name	Source (from)	Target (to)	Cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	Function text	Graphical page of cable diagram
=ODVIJALEC+OMA1-W1	=ODVIJALEC+OMA1-M1	=ODVIJALEC+OMA1-U1		5	4	1,5	2		
=ODVIJALEC+OMA1-W2	=ODVIJALEC+OMA1-X3	=ODVIJALEC+OMA1-S4		3	2	0,25			
=ODVIJALEC+OMA1-W3	=ODVIJALEC+OMA1-X3	=ODVIJALEC+OMA1-R1		4	3	0,25			
=ODVIJALEC+OMA1-W4	=ODVIJALEC+OMA1-X3	=PANEL+1-BG9		5	3	0,25	2		

Terminal-strip overview

F14_001

Terminal strip	Terminal strip definition text	Terminals					Graphical page of terminal diagrams
		first	last	Total PE	Total N	Total number	
		X18	10	0	0	4	
=PANEL+1-X1	5P 400V	1	PE	8	1	16	=REPORT+TERMINAL/13
=PANEL+1-X2	0V DC	1	5	0	0	8	=REPORT+TERMINAL/14
=PANEL+1-X3		1	5	0	0	10	=REPORT+TERMINAL/15
=PANEL+1-X4		1	26	0	0	34	=REPORT+TERMINAL/16
=PANEL+1-X6		1	27	0	0	33	=REPORT+TERMINAL/17
=PANEL+10-?X				0	0	0	
=PANEL_Z+10-?X				0	0	0	
=PANEL+SBOX1-SIG	Distribucija senzorjev	1	22	0	0	22	=REPORT+TERMINAL/18
=PANEL+SBOX1-0V		1	32	0	0	40	=REPORT+TERMINAL/19
=PANEL+SBOX1-24V		1	26	0	0	26	=REPORT+TERMINAL/20
=ODVIJALEC+OMA1-X1		1	5	1	1	14	
=ODVIJALEC+OMA1-X2		1	5	1	1	5	
=ODVIJALEC+OMA1-X3		1	10	0	0	10	

Terminal diagram

F13_001

Strip

=PANEL+1-X1

5P 400V

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
			L1		1		-Q1	2			/2.0
			L2		2		-Q1	4			/2.0
			L3		3		-Q1	6			/2.0
			N		N		-10X2	2			/2.1
			PE		PE		-U1	PE			/2.1
					PE		-10X2	PE			/2.1
					PE		-10X3	PE			/2.1
			-A1	PE	PE		-K1	-X10:3			/2.1

Terminal diagram

F13_001

Strip

=PANEL+1-X2

0V DC

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
0V DC			-F5	GND	1		-U1	V1-			/4.1
					2		-K1	-X10:2			/4.1
					3		-A1	-			/4.1
					4						/4.1
					5		-K1	-X12:2			/4.1

			Date	12. 03. 2019	Dejan	Dejan Rozic DR	Terminal diagram =PANEL+1-X2
			Ed	USER			
			Appr		Varovanje stiskalnice v1.0		
Modification	Date	Name	Original		Replacement of	Replaced by	

= REPORT
+ TERMINAL

1

Terminal diagram

F13_001

Strip

=PANEL+1-X3

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
24V DC			-F5	OUT:3	1		-F5	OUT:4			/4.b.4
					2		-V3	13			/4.b.4
					3		-F6	1			/4.b.4
					4						/4.b.4
					5						/4.b.4

Terminal diagram

F13_001

Function text						-W2	-W6	-W10	Cable name	Strip =PANEL+1-X4 Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name	-W6	-W2	-W10		Page / column
								UNITRONIC® LiYCY	Cable type							Cable type	ÖLFLEX® 140		UNITRONIC® LiYCY		
								YE		-1X5	1	1		-1X1	1						/8.2
								GN		-1X5	2	2		-1X1	2						/8.2
								GY		-1X5	3	3		-1X1	3						/8.3
								PK		-1X5	4	4		-1X1	4						/8.3
								BU		-1X5	5	5		-1X1	5						/8.3
												6		-1X1	6						/8.3
								RD		-1X5	6	7		+SBOX1-SIG	1:2		1				/8.4
								BK		-1X5	7	8		+SBOX1-SIG	2:2		2				/8.5
								VT		-1X5	8	9									/8.5
								GYPK		-1X5	9	10			10:2						/8.6
								RDBU		-1X5	10	11									/8.7
								WHGN		-1X5	11	12		+SBOX1-SIG	3:2		3				/9.4
								BNGN		-1X5	12	13		+SBOX1-SIG	4:2		4				/9.5
Sponke nad stiskalnico							5			+SBOX1-24V	5	14									/9.d.2
						WH				-1X5	13	16		+SBOX1-SIG	6:2			7			/9.d.4
							6			+SBOX1-0V	5	15									/9.d.2
						BN				-1X5	14	17		+SBOX1-SIG	7:2			8			/9.d.6
						SH				-W2	SH	18									/9.d.6
										-1X5	PE										
							11			+SBOX1-SIG	8:1	19		-1X5	15				WHYE		/11.2
												27		-1X5	23				WHRD		/12.6
												28		-1X5	24				BNRD		/12.7
														-K3	11						/12.8
														-K3	12						/12.9
							12			+SBOX1-SIG	9:1	20		-1X5	16				YEBN		/11.3
							13			+SBOX1-SIG	10:1	21		-1X5	17				WHGY		/11.4
							14			+SBOX1-SIG	11:1	22		-1X5	18				GYBN		/11.5
							15			+SBOX1-SIG	12:1	23		-1X5	19				WHPK		/11.5
							16			+SBOX1-SIG	13:1	24		-1X5	20				PKBN		/11.6
							17			+SBOX1-SIG	14:1	25		-1X5	21				WHBU		/11.7
							18			+SBOX1-SIG	15:1	26		-1X5	22				BNBU		/11.8

15

17

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Terminal diagram =PANEL+1-X4
			Ed	USER			= REPORT
			Appr		Varovanje stiskalnice v1.0		+ TERMINAL
Modification	Date	Name	Original		Replacement of	Replaced by	1

Terminal diagram

F13_001

Strip

=PANEL+1-X6

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
					1		-1X5	3			/8.3
			-K1	-X10:7	1		-1X5	1			/8.2
			-K1	-X10:6	2		-1X5	4			/8.3
			-K2	-X10:2							
			-K1	-X10:8	2		-1X5	2			/8.2
			-K1	-X10:9	3		-1X5	5			/8.3
			-K1	-X10:10	4		-1X5	6			/8.4
			-K1	-X10:11	5		-1X5	7			/8.5
			-K1	-X10:12	6		-1X5	8			/8.5
			-K1	-X10:13	7		-1X5	9			/8.6
			-K1	-X10:14	8		-1X5	10			/8.7
			-K1	-X10:15	9		-1X2	4			/9.3
					12		-1X5	12			/9.5
					13						/9.6
					14						/9.6
					10						/9.3
			-K2	-X10:4	15		-1X5	13			/9.d.4
			-K2	-X10:6	16		-1X5	14			/9.d.6
			-K2	-X10:3	17		-1X5	PE			/9.d.6
					19						/11.3
					20		-1X5	17			/11.4
					21		-1X5	18			/11.5
					22		-1X5	19			/11.5
					23		-1X5	20			/11.6
					24		-1X5	21			/11.7
					25		-1X5	22			/11.8
					11		-1X5	11			/9.4
			-K5	A1	26		-K1	-X12:11			/12.3
			-V4	A2	26		-K5	A2			/12.3
					18						/11.2
			-K6	A1	27		-K1	-X12:12			/12.3
					27		-K6	A2			/12.3

			Date	13. 03. 2019	Dejan	Dejan Rozic DR	Terminal diagram =PANEL+1-X6
			Ed	USER			
			Appr		Varovanje stiskalnice v1.0		
Modification	Date	Name	Original		Replacement of	Replaced by	

= REPORT
+ TERMINAL

1

Page 17
Page 63 / 88

Terminal diagram

F13_001

Function text								+1-W6	Cable name	Strip =PANEL+SBOX1-SIG Distribucija senzorjev Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name	+1-W5	+1-W1	+1-W7	+1-W8	Page / column
								ÖLFLEX® 140	Cable type							Cable type	ÖLFLEX® CLASSIC 100		ÖLFLEX® CLASSIC 100	ÖLFLEX® CLASSIC 100	
								1		+1-X4	7:1	1	,	+1-BG4	4		BK				+1/8.4
								2		+1-X4	8:1	2	,	+1-BG1	4			BK			+1/8.5
								3		+1-X4	12:1	3	,	+1-BG5	4				BK		+1/9.4
								4		+1-X4	13:1	4	,	+1-BG2	4					BK	+1/9.5
												5	,								+1/9.d.3

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Terminal diagram =PANEL+SBOX1-SIG
			Ed	USER			= REPORT
			Appr		Varovanje stiskalnice v1.0		+ TERMINAL
Modification	Date	Name	Original		Replacement of	Replaced by	1

Terminal diagram

F13_001

Strip

=PANEL+SBOX1-SIG

Distribucija senzorjev

Function text	+1-W2	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	+1-W9	+1-W11	+1-W6		Page / column
												ÖLFLEX® CLASSIC 100	ÖLFLEX® CLASSIC 100	ÖLFLEX® 140		
	7			+1-X4	16:1	6	,	+1-BG3	4			BK				+1/9.d.4
	8			+1-X4	17:1	7	,	+1-BG8	4				BK			+1/9.d.6
				+1-M2	1	8	,	+1-X4	19:2					11		+1/11.2
						9	,	+1-X4	20:2					12		+1/11.3
				+1-K3	A1	10	,	+1-X4	21:2					13		+1/11.4
				+1-M1	1	11	,	+1-X4	22:2					14		+1/11.5
				+1-Y1	x1	12	,	+1-X4	23:2					15		+1/11.5
						13	,	+1-X4	24:2					16		+1/11.6
						14	,	+1-X4	25:2					17		+1/11.7
						15	,	+1-X4	26:2					18		+1/11.8
						16	,									
						17	,									
						18	,									
						19	,									
						20	,									
						21	,									
						22	,									

Terminal diagram

F13_001

Strip

=PANEL+SBOX1-0V

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	+1-W5 ÖLFLEX® CLASSIC 100	+1-W1	+1-W7 ÖLFLEX® CLASSIC 100	+1-W8 ÖLFLEX® CLASSIC 100	Page / column
					1		+1-BG4	3			BU				+1/8.4
					2		+1-BG1	3				BU			+1/8.5
					3		+1-BG5	3					BU		+1/9.4
					4		+1-BG2	3						BU	+1/9.5

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Terminal diagram =PANEL+SBOX1-0V	= REPORT
			Ed	USER				+ TERMINAL
			Appr		Varovanje stiskalnice v1.0			
Modification	Date	Name	Original		Replacement of	Replaced by	1	Page 19
								Page 66 / 88

Terminal diagram

F13_001

Strip

=PANEL+SBOX1-0V

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	+1-W6 ÖLFLEX® 140	+1-W9 ÖLFLEX® CLASSIC 100	+1-W11 ÖLFLEX® CLASSIC 100	Page / column
					5		+1-X4	15:2			6			+1/9.d.2
					6		+1-BG3	3				BU		+1/9.d.3
					7		+1-BG8	3					BU	+1/9.d.5
					8									
					9									
					8		+1-M2	2						+1/11.2
					10									
					9									+1/11.3
					13									
					10		+1-K3	A2						+1/11.4
					15									
					11		+1-M1	2						+1/11.5
					16									
					12		+1-Y1	x2						+1/11.5
					19									
					13		+1-Y2	x2						+1/11.6
					21									
					14									+1/11.7
					22									
					15									+1/11.8
					25									
					26									
					27									
					28									
					29									
					30									
					31									

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Terminal diagram =PANEL+SBOX1-0V
			Ed	USER			= REPORT
			Appr		Varovanje stiskalnice v1.0		+ TERMINAL
Modification	Date	Name	Original		Replacement of	Replaced by	1

Terminal diagram

F13_001

Strip

=PANEL+SBOX1-0V

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
					32	,					

			Date	1. 03. 2019	Dejan	Dejan Rozic DR	Terminal diagram =PANEL+SBOX1-0V
			Ed	USER			
			Appr		Varovanje stiskalnice v1.0		
Modification	Date	Name	Original		Replacement of	Replaced by	

= REPORT

+ TERMINAL

1

Page 19.b

Page 68 / 88

Terminal diagram

F13_001

Function text	Cable name	Strip =PANEL+SBOX1-24V					Cable name	+1-W5	+1-W1	+1-W7	+1-W8	Page / column
	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	ÖLFLEX® CLASSIC 100		ÖLFLEX® CLASSIC 100	ÖLFLEX® CLASSIC 100	
				1		+1-BG4	1		BN				+1/8.4
				2		+1-BG1	1			BN			+1/8.4
				3		+1-BG5	1				BN		+1/9.4
				4		+1-BG2	1					BN	+1/9.6

Terminal diagram

F13_001

Strip

=PANEL+SBOX1-24V

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name	Cable type	+1-W6 ÖLFLEX® 140	+1-W9 ÖLFLEX® CLASSIC 100	+1-W11 ÖLFLEX® CLASSIC 100		Page / column
					5		+1-X4	14:2			5				+1/9.d.2
					6		+1-BG3	1				BN			+1/9.d.4
					7		+1-BG8	1					BN		+1/9.d.5
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										
					21										
					22										
					23										
					24										
					25										
					26										

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Terminal diagram =PANEL+SBOX1-24V
			Ed	USER			= REPORT
			Appr		Varovanje stiskalnice v1.0		+ TERMINAL
Modification	Date	Name	Original		Replacement of	Replaced by	1

Plug overview

F23_001

Plug designation	Plug definition text	Plug					Page of plug diagram
		first	last	Total PE	Total N	Total number	
=PANEL+1-1X1		1	6	0	0	6	=REPORT+PLUGS/2
=PANEL+1-1X2		3	2	1	0	5	=REPORT+PLUGS/3
=PANEL+1-1X5		11	10	0	0	24	=REPORT+PLUGS/4
=PANEL+HMI-1X1		3	2	0	0	3	=REPORT+PLUGS/5

Plug diagram

F22_001

Strip designation

=PANEL+1-1X1

Function text	Cable name	Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type	Cable name	Page / column
					1		I0.0					/8.2
					2		I0.1					/8.2
					3							/8.3
					4							/8.3
					5		I0.2					/8.3
					6							/8.3

Plug diagram

F22_001

Strip designation

=PANEL+1-1X2

Function text	Cable name	Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type	Cable name	Page / column
				13	3							/9.2
				14	4		I1.0	-X6	9:1			/9.3
					PE							/9.3
					1							
					2							

			Date	12. 03. 2019	Dejan	Dejan Rozic DR	Plug diagram =PANEL+1-1X2
			Ed	USER			
			Appr		Varovanje stiskalnice v1.0		
Modification	Date	Name	Original		Replacement of	Replaced by	

= REPORT
+ PLUGS

1

Page 3
Page 73 / 88

Plug diagram

F22_001

Function text							-W2	-W10	Cable name	Strip designation =PANEL+1-1X5						Cable name	-W10				Page / column
								UNITRONIC® LiYCY	Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type	UNITRONIC® LiYCY				
								WHGN		-X4	12:2	11		I1.2								/9.4
							WH			-X4	16:2	13		PIW64	-X6	15:1						/9.d.4
								WHYE		-X4	19:1	15			-V3	14						/11.2
								YEBN		-X4	20:1	16			-V4	14						/11.3
								WHGY		-X4	21:1	17		Q0.2								/11.4
								GYBN		-X4	22:1	18		Q0.3								/11.5
											X18	23			-X4	27:1		WHRD				/12.6
											X19	24			-X4	28:1		BNRD				/12.7
										-X6	2:1	2		I0.1	-X4	2:2		GN				/8.2
								BNGN		-X4	13:2	12		I1.3								/9.5
							BN			-X4	17:2	14		PIW66	-X6	16:1						/9.d.6
								WHPK		-X4	23:1	19		Q0.4								/11.5
								PKBN		-X4	24:1	20		Q0.5								/11.6
										-X6	1:1	1		I0.0	-X4	1:2		YE				/8.2
										-X6	1:1	3			-X4	3:2		GY				/8.3
								WHBU		-X4	25:1	21		Q0.6								/11.7
								BNBU		-X4	26:1	22		Q0.7								/11.8
										-X6	2:1	4			-X4	4:2		PK				/8.3
										-X6	3:1	5		I0.2	-X4	5:2		BU				/8.3
										-X6	4:1	6		I0.3	-X4	7:2		RD				/8.4
										-X6	5:1	7		I0.4	-X4	8:2		BK				/8.5
										-X6	6:1	8		I0.5	-X4	9:2		VT				/8.5
										-X6	7:1	9		I0.6	-X4	10:2		GYPK				/8.6
										-X6	8:1	10		I0.7	-X4	11:2		RDBU				/8.7

			Date	27. 05. 2019	Dejan	Dejan Rozic DR	Plug diagram =PANEL+1-1X5
			Ed	USER			
			Appr		Varovanje stiskalnice v1.0		
Modification	Date	Name	Original		Replacement of	Replaced by	

= REPORT
+ PLUGS

1

Page 4
Page 74 / 88

Plug diagram

F22_001

Strip designation

=PANEL+HMI-1X1

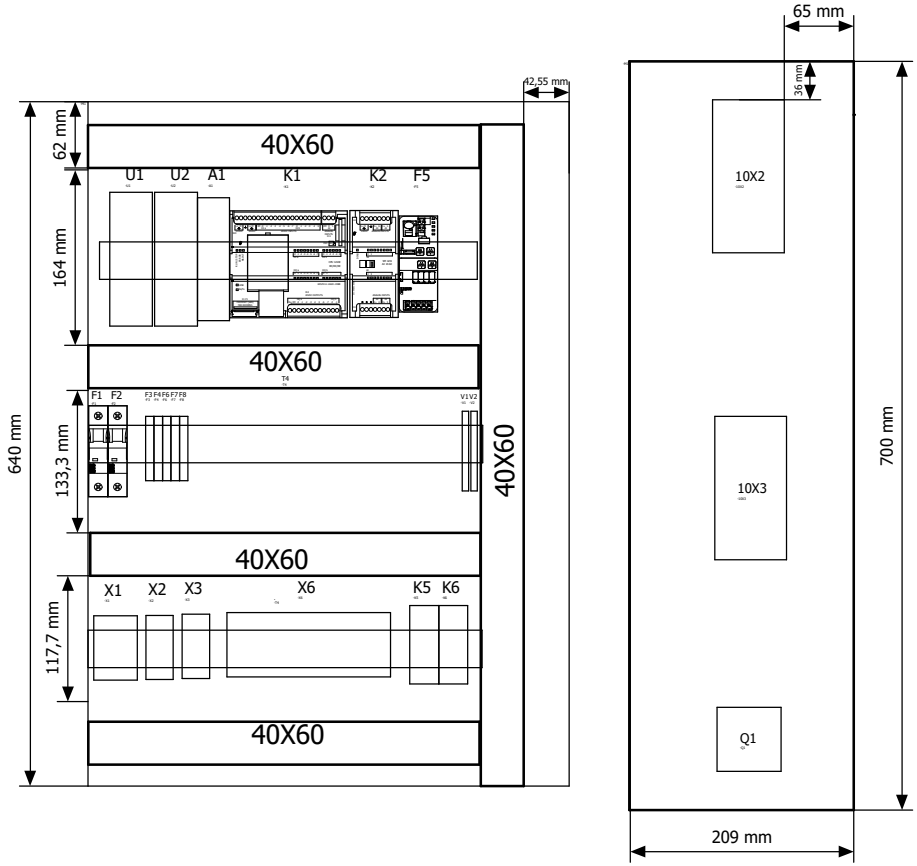
Function text	Cable name	Cable type	Target designation	Connection point	Plug designation	Jumper	Device connection point	Target designation	Connection point	Cable type	Cable name	Page / column
			-K1	.:.	3							/31.3
			-K1	-X80:1	1			+1-F4	1			/31.3
			-K1	-X80:2	2			+1-U1	V2-			/31.3

			Date	1. 03. 2019	Dejan	Dejan Rozic DR	Plug diagram =PANEL+HMI-1X1
			Ed	USER			
			Appr		Varovanje stiskalnice v1.0		
Modification	Date	Name	Original		Replacement of	Replaced by	

= REPORT
+ PLUGS

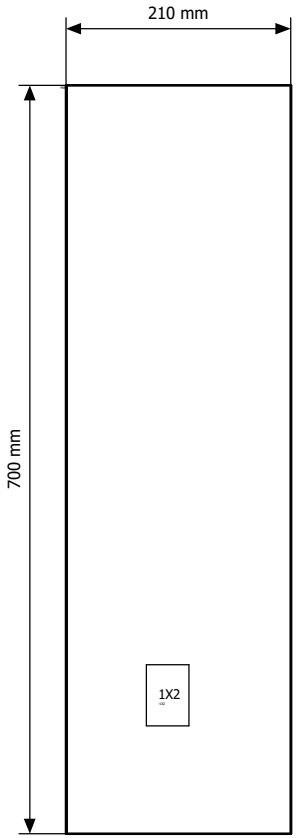
1

Page 5
Page 75 / 88



Enclosure legend

=2D+GEO-M1		
Item number	Device tag	Type number
12	K1	6ES7214-1AG31-0XB0
13	K2	6ES7231-5ND32-0XB0
14	U1	EDR-120-24
15	U2	EDR-75-24
19	T3	TS 35X7.5/LL 1M/ST/ZN
19	T4	TS 35X7.5/LL 1M/ST/ZN
19	T4	TS 35X7.5/LL 1M/ST/ZN
21	V1	TOS 24VDC/24VDC 4A
22	V2	TOS 24VDC/24VDC 4A
52	X3	
53	X2	
54	X1	
55	F5	MICO BASIC 4.2
75	F1	002111511
76	F2	002111511
82	A1	IE-SW-BL05-5TX
89	K5	PT570024
90	K6	PT570024
91	X6	
1	10X2	71094
2	10X3	71094
3	Q1	IN802001



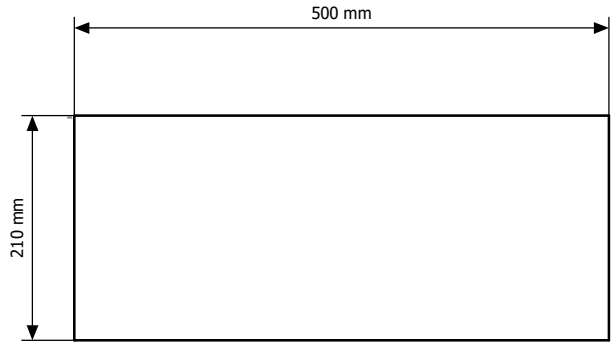
Enclosure legend

=2D+GEO-M8		
Item number	Device tag	Type number
1	1X2	Han 3A

M10

M13 TOP

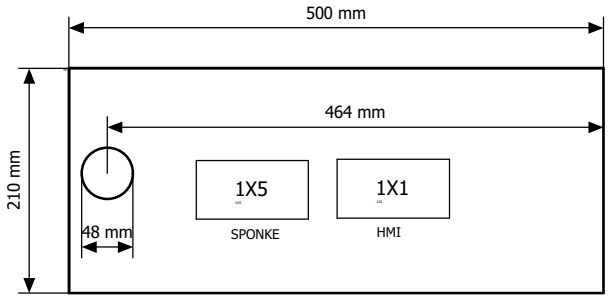
			Date	4. 03. 2019	Dejan	Dejan Rozic DR	ELEKTRO OMARA STRANSKI RIS		= 2D
			Ed	USER					+ GEO
			Appr		Varovanje stiskalnice v1.0			1	Page PANEL LEFT
Modification	Date	Name	Original		Replacement of	Replaced by			Page 77 / 88



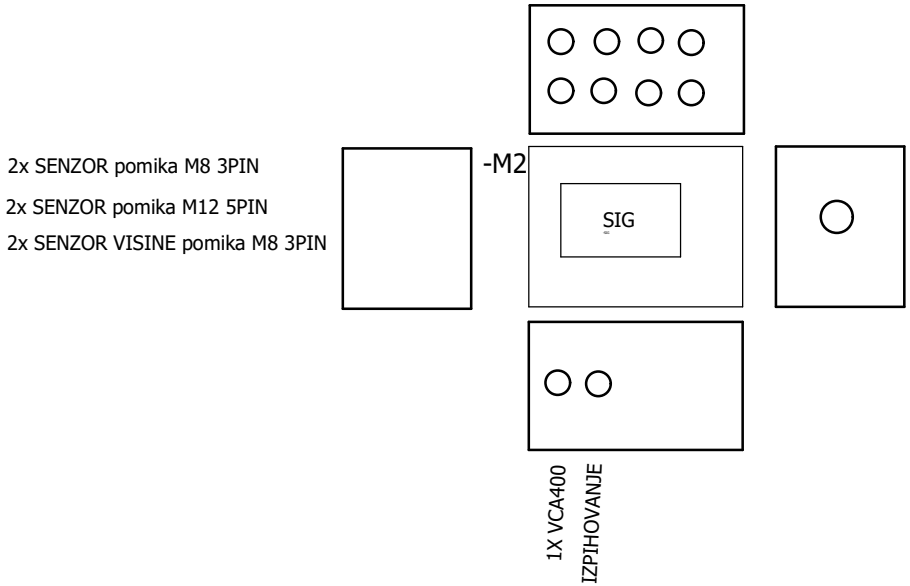
M11 PANEL LEFT

M14 BOT

			Date	25. 02. 2019	Dejan	Dejan Rozic DR	ELEKTRO OMARA ZGORAJ	= 2D
			Ed	USER				+ GEO
			Appr		Varovanje stiskalnice v1.0			
Modification	Date	Name	Original		Replacement of	Replaced by	1	Page M13 TOP
								Page 78 / 88



			Date	28. 02. 2019	Dejan		Dejan Rozic DR	ELEKTRO OMARA SPODAJ	= 2D
			Ed	USER					+ GEO
			Appr		Varovanje stiskalnice v1.0				
Modification	Date	Name	Original		Replacement of	Replaced by		1	Page M14 BOT
									Page 79 / 88

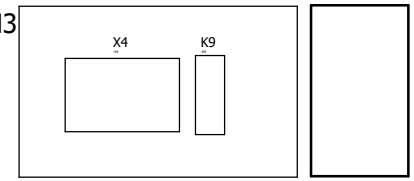


Enclosure legend

=2D+GEO-M2		
Item number	Device tag	Type number
1	SIG	

			Date	25. 03. 2019	Dejan	Dejan Rozic DR	SENZORSKA DISTRIBUCIJA		= 2D
			Ed	USER					+ GEO
			Appr		Varovanje stiskalnice v1.0			1	Page M20
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80 / 88

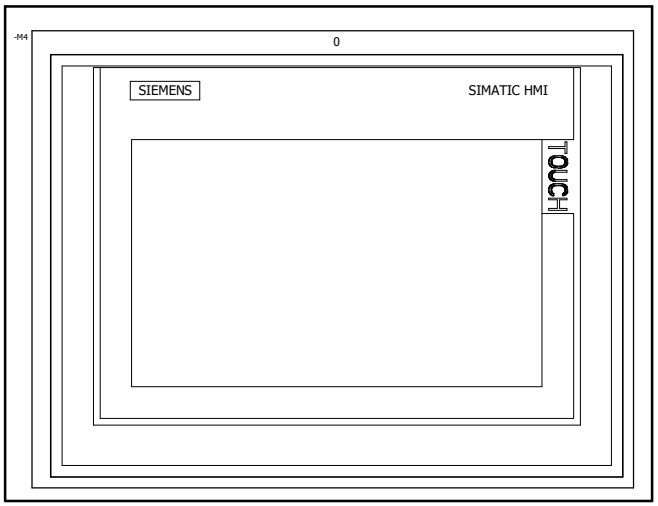
-M3



Enclosure legend

=2D+GEO-M3		
Item number	Device tag	Type number
2	K9	RSL1PVBU
3	X4	

			Date	4. 03. 2019	Dejan		Dejan Rozic DR	SPLOŠNA DISTRIBUCIJA		= 2D
			Ed	USER						+ GEO
			Appr		Varovanje stiskalnice v1.0					
Modification	Date	Name	Original		Replacement of	Replaced by			1	Page M30
										Page 81 / 88



Enclosure legend

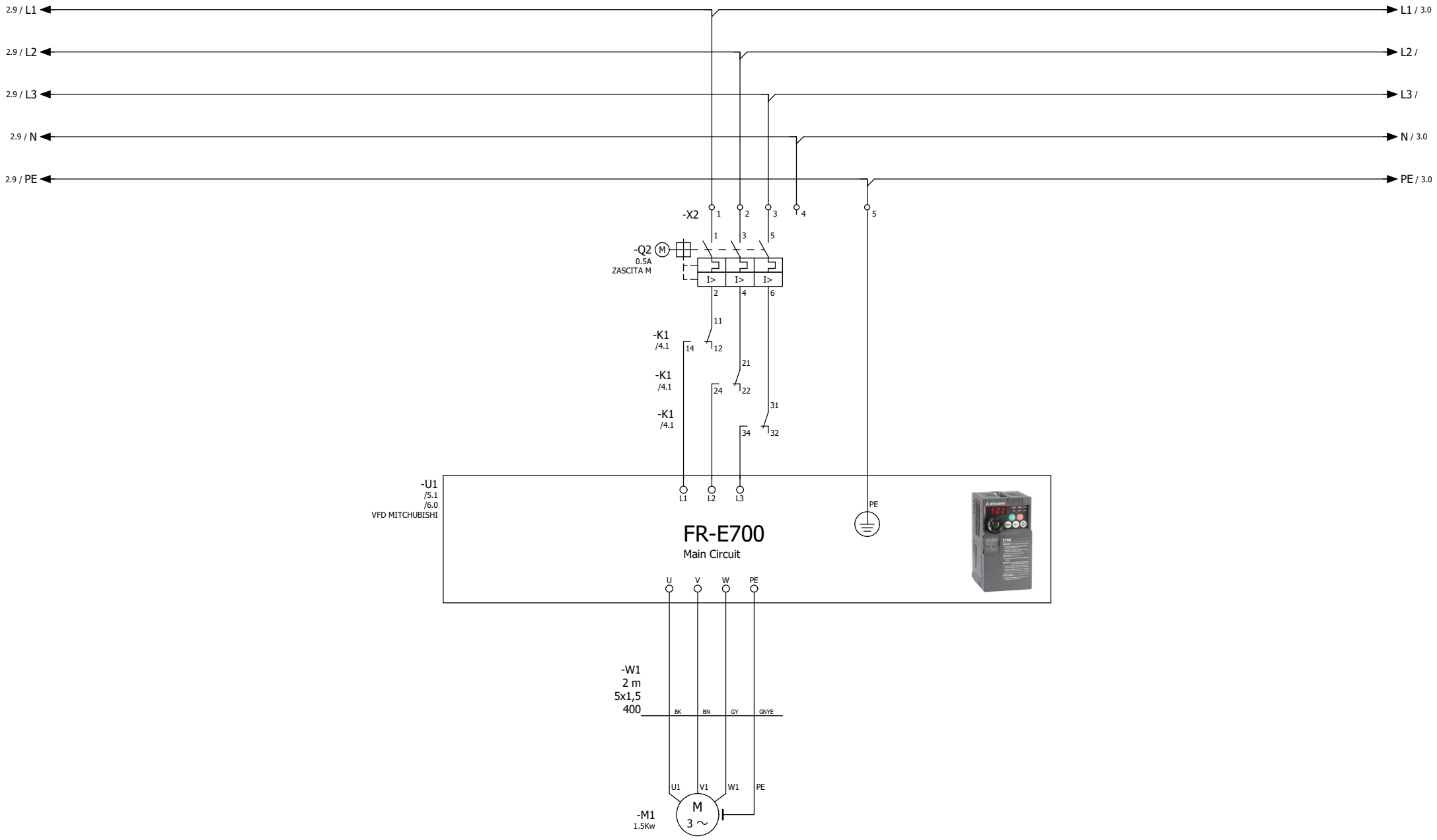
=2D+GEO-M4		
Item number	Device tag	Type number
0	K2	6AV2124-0GC01-0AX0

PREDVAROVALKA MAX 10A
PRIKLOP 5X1.5MM2

=2D+GEO/M40

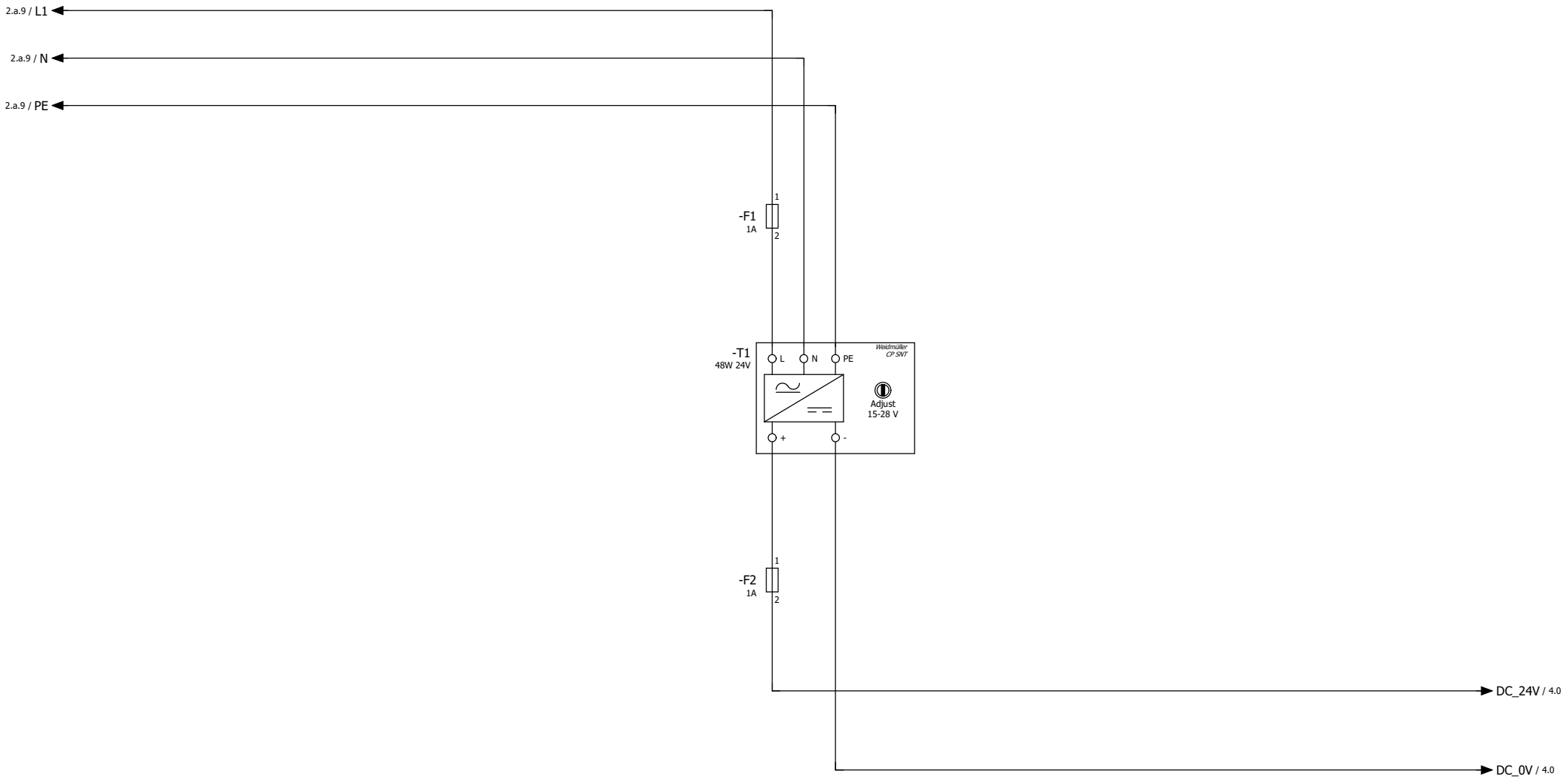
2.a

			Date	29. 03. 2019	Dejan	Dejan Rozic DR	DOVOD	= ODVIJALEC	
			Ed	USER				+ OMA1	
			Appr		Varovanje stiskalnice v1.0			1	Page 2
Modification	Date	Name	Original		Replacement of	Replaced by			Page 83 / 88



2 3

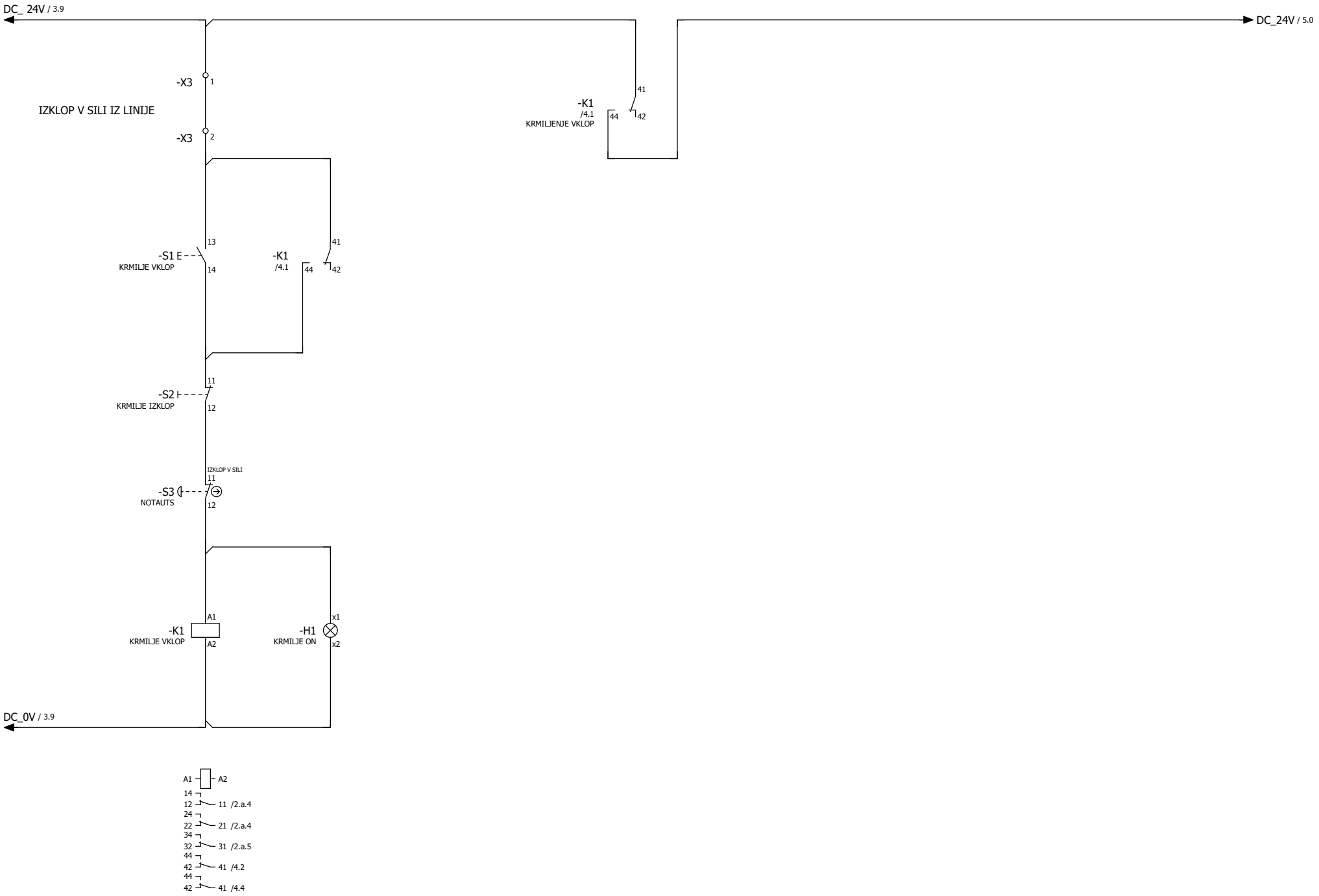
			Date	29. 03. 2019	Dejan	Dejan Rozic DR	POGON ODVIJALNIKA	= ODVIJALEC	
			Ed	USER				+ OMA1	
			Appr		Varovanje stiskalnice v1.0			1	Page 2.a
Modification	Date	Name	Original		Replacement of	Replaced by			Page 84 / 88



2.a

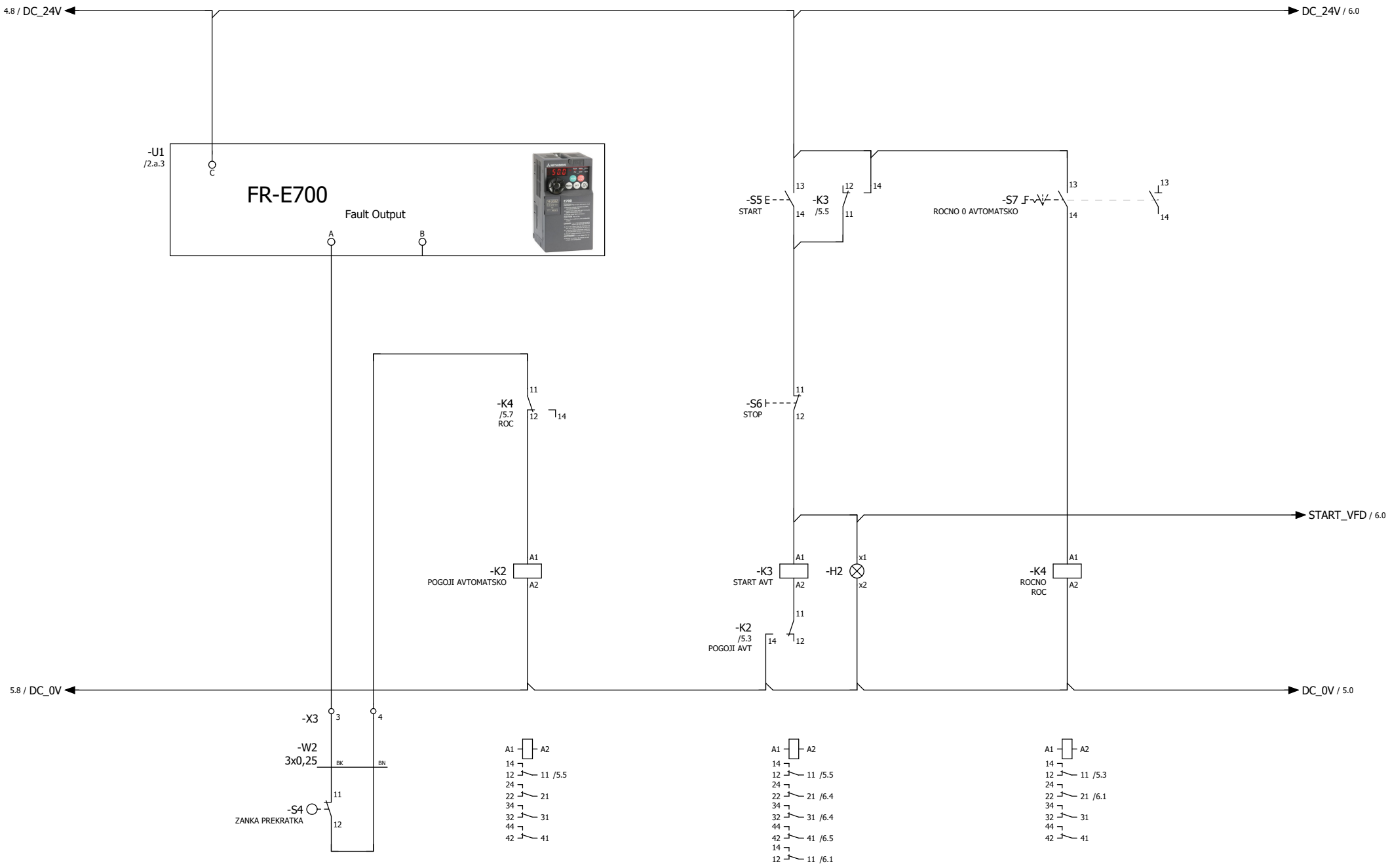
4

			Date	28. 03. 2019	Dejan		Dejan Rozic DR	NAPAJANJE	= ODVIJALEC
			Ed	USER					+ OMA1
			Appr		Varovanje stiskalnice v1.0			1	Page 3
Modification	Date	Name	Original		Replacement of	Replaced by			Page 85 / 88



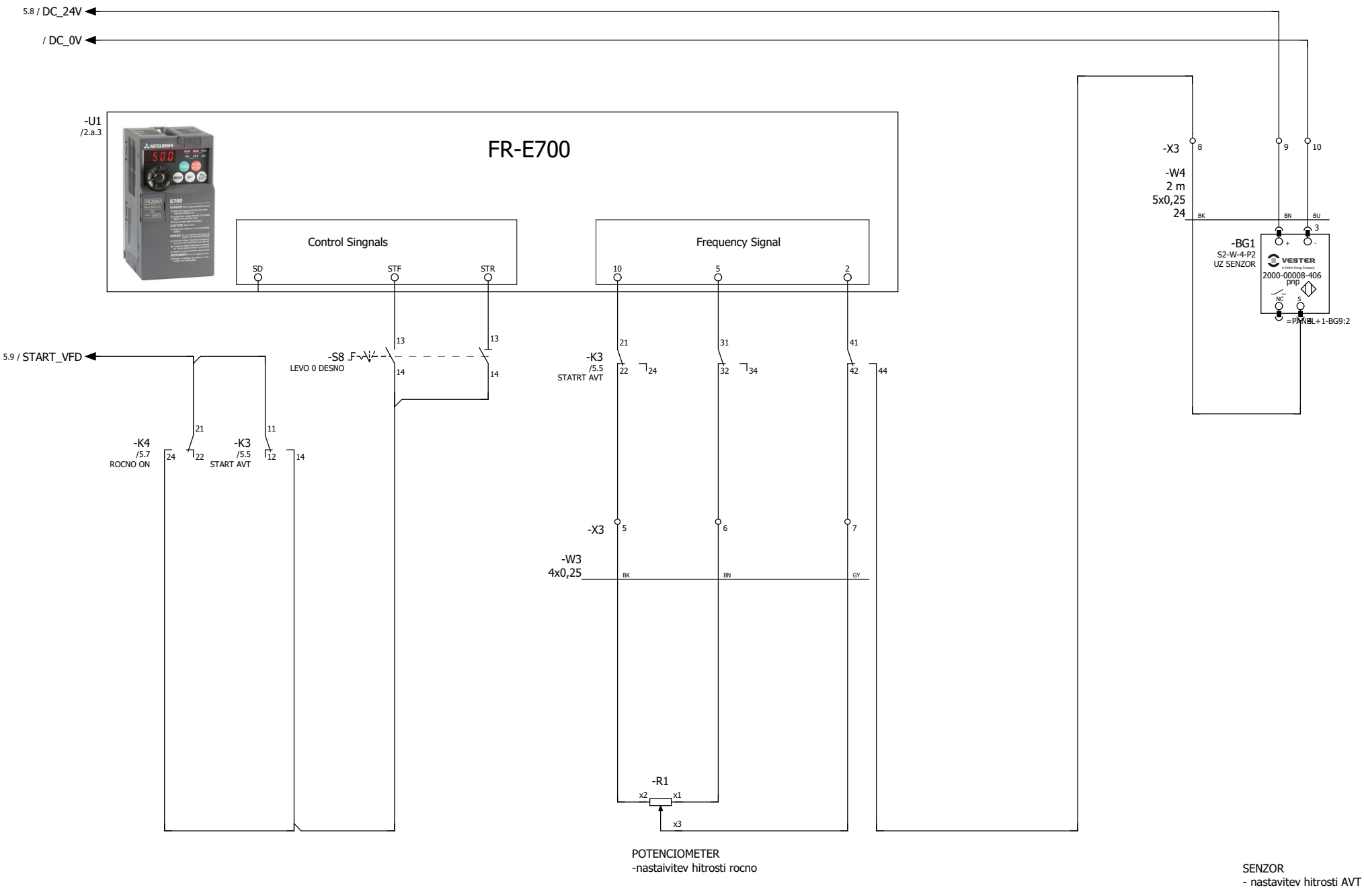
3 5

			Date	29. 03. 2019	Dejan	Dejan Rozic DR	VKLOP KRMILJA		= ODVIJALEC
			Ed	USER					+ OMA1
			Appr		Varovanje stiskalnice v1.0			1	Page 4
Modification	Date	Name	Original		Replacement of	Replaced by			Page 86 / 88



4 6

			Date	29. 03. 2019	Dejan	Dejan Rozic DR	POGOJI START POGOJ AVT POGOJ ROC		= ODVIJALEC
			Ed	USER					+ OMA1
			Appr		Varovanje stiskalnice v1.0			1	Page 5
Modification	Date	Name	Original		Replacement of	Replaced by			Page 87 / 88



POTENCIOMETER
-nastaivitev hitrosti rocno

SENZOR
- nastavitev hitrosti AVT

5

			Date	29. 03. 2019	Dejan	Dejan Rozic DR	VFD		= ODVIJALEC
			Ed	USER					+ OMA1
			Appr		Varovanje stiskalnice v1.0			1	Page 6
Modification	Date	Name	Original		Replacement of	Replaced by			Page 88 / 88