
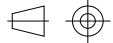





P	04	17.10.2018	ZIZKA	NEMEC	RULIK	REALIZATION		
P	03	08.06.2018	ZIZKA	NEMEC	RULIK	ADD CONTACT FCB		
P	02	20.04.2018	BECVAR	NEMEC	RULIK	CHANGE WIRING COLOURS		
P	01	25.01.2018	ZIZKA	NEMEC	RULIK	FOR APPROVAL		
P	00	29.11.2017	ZIZKA	NEMEC	RULIK	INTRODUCTORY		
STA.	REV.	DATE	PREP.	CHCK.	APPR.	COMMENT		
EMPLOYER Contract Number VKJ_S_2016-92			EMPLOYER Project Code VKJ01		 Lietuvos energija		VILNIAUS KOGENERACINĖ JĖGAINĖ	
EMPLOYER DOCUMENT DESIGNATION						LANGUAGE	REV NO	STATUS
PROJECT CODE		LOT ID		DOC COUNTER		EN	04	AFE P
VKJ01		-		1		730057		
CODE WORD					FILENAME		VIEW	
CHP - Vilnius					VKJ01-1730057-EN-04			
	DATE	NAME		 				
PREP.	17.10.2018	ZIZKA						
CHECKED	17.10.2018	NEMECEK						
APPROV.	17.10.2018	RULIK						
SCALE	TITLE							
	GENERATOR EXCITATION SYSTEM V10CGA10 DIAGRAMS AND CHARTS							
DESIGN COMPANY					DRAWING NO.			FORMAT
					6065-7DS-200			A4

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			Date	17. 10. 2018	VILNIUS WtE LITHUANIA STG 25.53MVA 			TITLE PAGE			Drawing No. INET/171569/e			6065-7DS-200_E		
			Name	ZIZ										< > 1		
			Check.											Page 0		
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												= V10CGA10	+ER			

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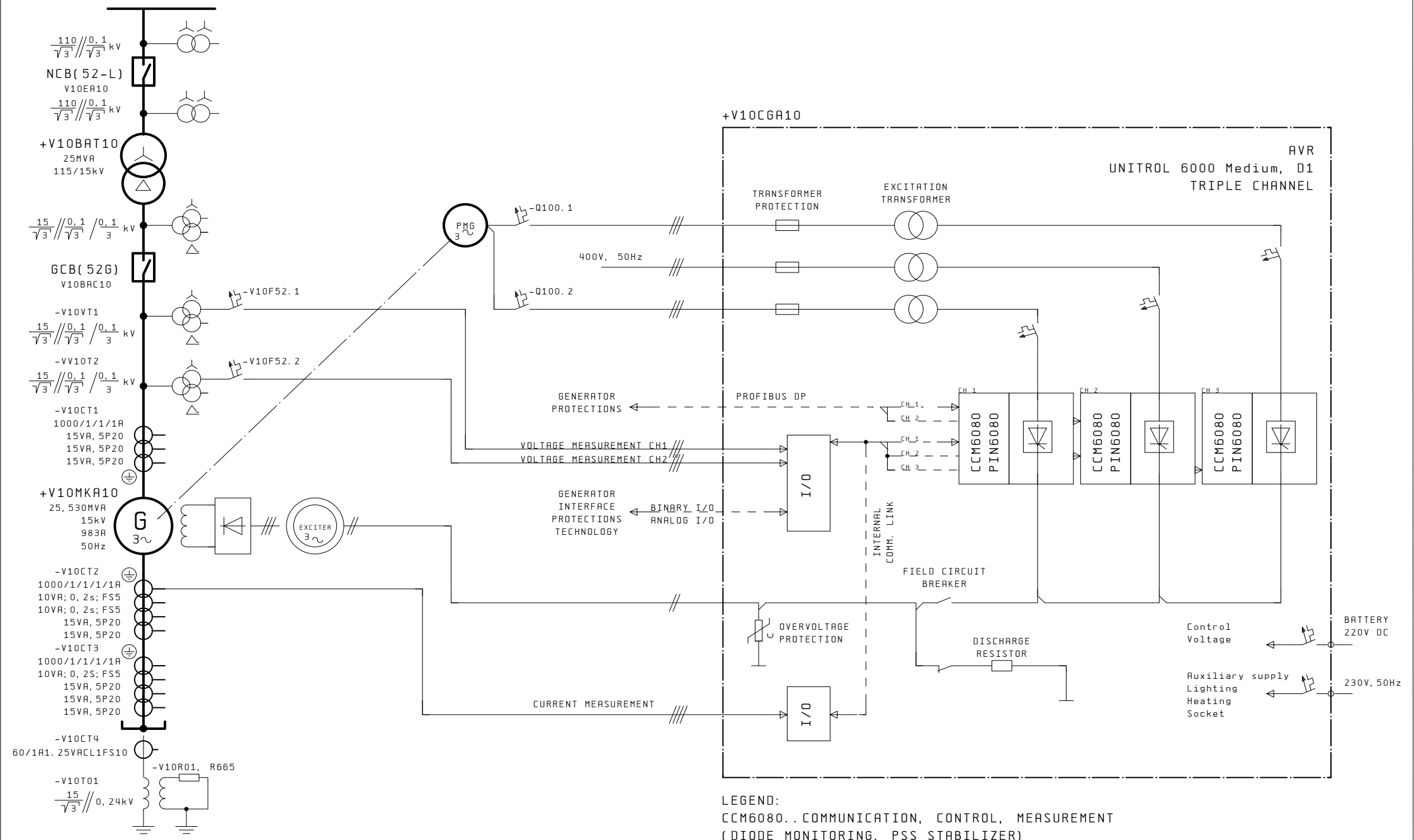
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Page	Designation	Date	Name	PRODUCT	PART
=V10CGA10/0	TITLE PAGE	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/1	TITLE PAGE	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/2	CONTENS	17. 10. 2018	ZIZ	V10CGA10	
=V10CGA10/3	CONTENS	17. 10. 2018	ZIZ	V10CGA10	
=V10CGA10/5	LIST OF SYMBOLS	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/10	WIRING COLOURS	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/21	SINGLE LINE OF AVR	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/22	HUMAN MACHINE INTERFACE	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/60	PART LIST	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/61	PART LIST	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/62	PART LIST	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/63	PART LIST	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/64	PART LIST	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/65	PART LIST	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/110	AC - INPUT	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/112	CONVERTER	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/120	DC - OUTPUT	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/145	AUXILIARY CIRCUITS	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/150	INTERNAL POWER SUPPLY	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/152	INTERNAL POWER SUPPLY	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/154	INTERNAL POWER SUPPLY	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/210	CONTROL/CONVERTER 1	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/220	CONTROL/CONVERTER 2	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/230	CONTROL/CONVERTER 3	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/235	CCM & CIO SIGNAL OVERVIEW	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/238	ACTUAL VALUE MEASUREMENT	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/251	COMBINED INPUT/OUTPUT CIO #1	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/286	MONITORING	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/360	TRIP CIRCUIT	17. 10. 2018	ZIZ	V10CGA10	ER
=V10CGA10/362	TRIP CIRCUIT	17. 10. 2018	ZIZ	V10CGA10	ER

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	SIGNAL COMMON			TWISTED PAIR CABLE		RESISTOR		NORMALLY OPEN	
	GROUND CONNECTION			SHIELDED CABLE		RESISTOR ADJUSTABLE		NORMALLY CLOSED	
	EMC - CONNECTION -CHS: CHASIS CONNECTION (SCREW) -W109: EARTHING STRAP CONNECTION			MULTIWIRED CABLE WITH CONNECTOR		POTENTIOMETR		CHANGE OVER CONTACT WITHOUT BREAK	
	ONLY ONE CABLE CONNECTION POSSIBLE		CONNECTOR WITH PIN NUMBERS		NONLINEAR REZISTOR		CONTACT OPERATE DELAY		
	CLAMP				VARISTOR		CONTACT FALL DELAY		
	TEST POINT			NOT CONNECTED SHIELD END		TEMPERATURE DEPENDENT RESISTOR		WIPING CONTACT	
	X1000 SOLDERING POINTS CLOSED				SHUNT		CONTACT EARLY CLOSING		
	X1000 SOLDERING POINTS OPEN				CAPACITOR		CHANGE OVER CONTACT WITHOUT BREAK WITHOUT INTERRUPTION		
	-1000 ELEMENT ON SOLDERING POINTS: INSERTED (e. g. RESISTOR)				DIODE		FUSE		CIRCUIT BREAKER TEMPERATURE DEPENDENT (THERMOSTAT)
	ELEMENT ON SOLDERING POINTS: NOT EQUIPPED (e. g. CAPACITOR)			ZENER DIODE		FUSE WITH AUX. CONTACT		LIMIT SWITCH	
				LED		HEATER		INDICATION LAMP ILLUMINATION	
			THYRISTOR		ISOLATOR				
			BREAK OVER DIODE (BOD)			CONNECTING LINK			
			OPTO - COUPLER			CIRCUIT BREAKER WITH AUTOMATIC RELEASE			

			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA				LIST OF SYMBOLS	Drawing No. INET/171569/e		6065-7DS-200_E	
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			Check.										
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WIRING COLOURS (DIN 40705)			DESCRIPTION OF THE CABLE MARKING:		
AC POWER SUPPLY: 3x 250/400 Vac			WL...INTERFACE SUPPLY WS...INTERFACE SIGNAL WU...INTERFACE UNITROL WI...INTERFACE INTERNAL		
PHASE L1,L2,L3		black (BK)			
NEUTRAL N		light blue (BUL)			
EARTH PE,PEN		green-yellow (GNYE)			
DC POWER SUPPLY 220 Vdc		black (BK) light blue (BUL)	THE AVR MEETS THE REQUIREMENTS, SEE: "3BHS245441 E15 - UN6000 M Functional Description v2.2.00.pdf"		
DC CONTROL WIRING 220Vdc		red (RD) red (RD)			
DC POWER SUPPLY 24 Vdc		black (BK) light blue (BUL)			
CONTROL WIRING 24 Vdc		brown (BN)			
ANALOG CIRCUIT AND OTHER LV CIRCUIT		white (WH)			
SECONDARY WIRING OF CT		black (BK) light blue (BUL)			
SECONDARY WIRING OF VT		black (BK) light blue (BUL)			
EXTERNAL VOLTAGE		orange(OG)			
TWISTED WIRING		TW			
SHORT CIRCUIT RESISTANT		SC			
SEPARATE CIRCUIT		SP			



The diagram illustrates the electrical connections for three control panels (H110, H120, H130) and their associated power distribution and source components.

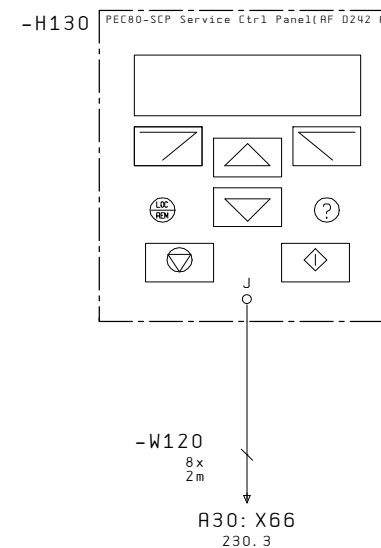
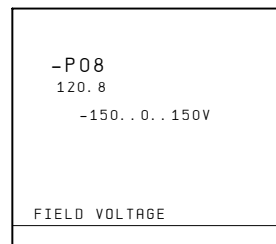
Control Panels (H110, H120, H130): Each panel is a PEC80-SCP Service Ctrl Panel (AF D242 A). They feature a digital display, a numeric keypad, and various status indicators (LOC, REM, ?). The panels are connected to a power distribution unit (W110, W120, W130) via a terminal block (J).

Power Distribution Unit (W110, W120, W130): Each unit is a power distribution unit (W110, W120, W130) with a terminal block (J) and a power source (P06, P08). The units are connected to a power source (P06, P08) via a terminal block (J).

Power Source (P06, P08): The power source (P06, P08) is a power source (P06, P08) with a terminal block (J) and a power source (P06, P08). The units are connected to a power source (P06, P08) via a terminal block (J).

Field Current (P06): The field current (P06) is a field current (P06) with a terminal block (J) and a power source (P06, P08). The units are connected to a power source (P06, P08) via a terminal block (J).

Field Voltage (P08): The field voltage (P08) is a field voltage (P08) with a terminal block (J) and a power source (P06, P08). The units are connected to a power source (P06, P08) via a terminal block (J).



			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA				PART LIST	Drawing No. INET/171569/e		6065-7DS-200_E	
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		Check.								Group	Product	Part	Page
Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New		= V10CGA10	+ER		from	910

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PARTS LIST

INV0003Y 3.5.2017

Marking	Quantity		Title	Type	Producer	Code	Page/Column
	Pcs.	Total					
+ER-P06	1	1	DC ANALOGUE MOVING COIL METER, DIAL 90°	PQ96K 60MV/25A	Weigel	WEI.PQ96K-60MV-25A	=V10CGA10/120.6
+ER-P08	1	1	DC ANALOGUE MOVING COIL METER, DIAL 90°	PQ96K +-150V	Weigel	WEI.PQ96K+-150V	=V10CGA10/120.8
+ER-Q02	1	1	CONTACTOR 2NO+2NC	AL26-22-00 24	ABB GROUP	ABB.AL26-22-00.24	=V10CGA10/365.2
+ER-Q02	1	1	AUXILIARY CONTACT FRONT 3NO+1NC	CA5-31E	ABB GROUP	ABB.CA5-31E	=V10CGA10/365.2
+ER-Q02	1	1	VARISTOR, 24V-50V AC/DC	RV 5/50	ABB GROUP	ABB.RV5.50	=V10CGA10/365.2
+ER-Q10	1	3	CIRCUIT BREAKER-Z-16A	S203M-Z16	ABB GROUP	ABB.S203M-Z16	=V10CGA10/112.2
+ER-Q10	1	5	AUXILIARY CONTACTS FOR S200	S2C-H6R	ABB GROUP	ABB.S2C-H6R	=V10CGA10/112.2
+ER-Q20	1	3	CIRCUIT BREAKER-Z-16A	S203M-Z16	ABB GROUP	ABB.S203M-Z16	=V10CGA10/112.5
+ER-Q20	1	5	AUXILIARY CONTACTS FOR S200	S2C-H6R	ABB GROUP	ABB.S2C-H6R	=V10CGA10/112.5
+ER-Q30	1	3	CIRCUIT BREAKER-Z-16A	S203M-Z16	ABB GROUP	ABB.S203M-Z16	=V10CGA10/112.7
+ER-Q30	1	5	AUXILIARY CONTACTS FOR S200	S2C-H6R	ABB GROUP	ABB.S2C-H6R	=V10CGA10/112.7
+ER-Q71	1	3	FUSEGEAR SWITCH FUSES OS	OS40FD12000-2	ABB GROUP	ABB.OS40FD12000-2	=V10CGA10/110.2
+ER-Q71	3	6	FUSE 16A, gG, 500V	0FAF000H16	ABB GROUP	ABB.0FAF000H16	=V10CGA10/110.2
+ER-Q71	1	3	FRONT OPERATED HANDLES FOR OS Mini	0HBS5	ABB GROUP	ABB.0HBS5	=V10CGA10/110.2
+ER-Q72	1	3	FUSEGEAR SWITCH FUSES OS	OS40FD12000-2	ABB GROUP	ABB.OS40FD12000-2	=V10CGA10/110.2
+ER-Q72	3	6	FUSE 16A, gG, 500V	0FAF000H16	ABB GROUP	ABB.0FAF000H16	=V10CGA10/110.2
+ER-Q72	1	3	FRONT OPERATED HANDLES FOR OS Mini	0HBS5	ABB GROUP	ABB.0HBS5	=V10CGA10/110.2
+ER-Q73	1	3	FUSEGEAR SWITCH FUSES OS	OS40FD12000-2	ABB GROUP	ABB.OS40FD12000-2	=V10CGA10/110.2
+ER-Q73	3	3	FUSE 6A, gG, 500V	0FAF000H6	ABB GROUP	ABB.0FAF000H6	=V10CGA10/110.2
+ER-Q73	1	3	FRONT OPERATED HANDLES FOR OS Mini	0HBS5	ABB GROUP	ABB.0HBS5	=V10CGA10/110.2
+ER-Q80	1	1	CIRCUIT BREAKER-K-10A	S202M-K10UC	ABB GROUP	ABB.S202M-K10UC	=V10CGA10/150.1
+ER-Q80	1	5	AUXILIARY CONTACTS FOR S200	S2C-H6R	ABB GROUP	ABB.S2C-H6R	=V10CGA10/150.1
+ER-Q90	1	1	COMPL. CURR. PROTECTION, 1+NPOLE, B10, 30mA	DS201 M B10 AC30	ABB GROUP	ABB.DS201MB10AC30	=V10CGA10/145.1
+ER-Q90	1	5	AUXILIARY CONTACTS FOR S200	S2C-H6R	ABB GROUP	ABB.S2C-H6R	=V10CGA10/145.1
+ER-Q801	1	2	APD Murr MICO	ADVANCED POWER	MURR Elektronik CZ s.r.o.	MUR.MIC046	=V10CGA10/154.1
+ER-Q802	1	1	APD Murr MICO	ADVANCED POWER	MURR Elektronik CZ s.r.o.	MUR.MIC046	=V10CGA10/154.1
+ER-Q810	1	1	FUSE TERMINAL BLOCK 8,2mm	ST 4-FSI/C	PHOENIX CONTACT, s.r.o	PHO.ST4-FSIC	=V10CGA10/152.8
+ER-Q810	1	1	MINIATURE CIRCUIT-BREAKER 15A	TCP 15/DC32V	PHOENIX CONTACT, s.r.o	PHO.TCP15-DC32V	=V10CGA10/152.8
+ER-Q810	1	1	TEST ADAPTER	PAI-4	PHOENIX CONTACT, s.r.o	PHO.PAI-4	=V10CGA10/152.8
+ER-R02	1	1	WIRE-WOUND RESISTOR	TR302-10R	TBP s.r.o. Blatná	TB.TR302-10R	=V10CGA10/120.3
+ER-R06	1	1	SHUNT	BA 60MV/25A-0,5	Weigel	WEI.BA-60MV-25A-05	=V10CGA10/120.6
+ER-R08	1	1	POWER VARISTOR	S10V-B60K440	EPCOS AG	EPC.S10V-B60K440	=V10CGA10/120.4
+ER-R10	1	3	WIRE-WOUND RESISTOR	TR302-3K3	TBP s.r.o. Blatná	TB.TR302-3K3	=V10CGA10/210.6
+ER-R20	1	1	WIRE-WOUND RESISTOR	TR302-3K3	TBP s.r.o. Blatná	TB.TR302-3K3	=V10CGA10/220.6
+ER-R30	1	1	WIRE-WOUND RESISTOR	TR302-3K3	TBP s.r.o. Blatná	TB.TR302-3K3	=V10CGA10/230.6
+ER-T60	1	2	1P TRANSFORMER	YTT 630.022	CZECHMONT, s.r.o.	CZE.YTT630.022	=V10CGA10/150.2
+ER-T63	1	1	1P TRANSFORMER	YTT 630.022	CZECHMONT, s.r.o.	CZE.YTT630.022	=V10CGA10/150.2
+ER-T71	1	2	3P TRANSFORMER YD	YDT 2500_230/120	CZECHMONT, s.r.o.	CZE.YDT2500_230/120	=V10CGA10/110.3
+ER-T72	1	1	3P TRANSFORMER YD	YDT 2500_230/120	CZECHMONT, s.r.o.	CZE.YDT2500_230/120	=V10CGA10/110.3
+ER-T73	1	1	3P TRANSFORMER YD	YDT 2500_400/105	CZECHMONT, s.r.o.	CZE.YDT2500_400/105	=V10CGA10/110.3
+ER-U501	1	2	PROGRAMMABLE 3-WAY-TRANSDUCER	MINI MCR-SL-UI-UI-SP-NC	PHOENIX CONTACT, s.r.o	PHO.MINIMCR-SL-UI-UI-SPNC	=V10CGA10/910.3
+ER-U514	1	1	PROGRAMMABLE 3-WAY-TRANSDUCER	MINI MCR-SL-UI-UI-SP-NC	PHOENIX CONTACT, s.r.o	PHO.MINIMCR-SL-UI-UI-SPNC	=V10CGA10/908.3
+ER-V80	1	1	ICU INPUT COUPLING UNIT (70V SUPERVISION)	KS D211 A101	ABB GROUP	ABB.KS D211 A101	=V10CGA10/150.6
+ER-V800	1	1	POWER SCHOTTKY RECTIFIER	DSS 2X81-0045B	IXYS Semiconductor	IXY.DSS 2X81-0045B	=V10CGA10/152.4
+ER-W11	4	9	3-CONDUCTOR THROUGH TERMINAL BLOCK	282-681	WAGO Elektro spol. s r.o.	WAG.282-681	=V10CGA10/112.2
+ER-W11	1	3	END AND INTERMEDIATE PLATE	282-308	WAGO Elektro spol. s r.o.	WAG.282-308	=V10CGA10/112.2
+ER-W11	2	2	SCREWLESS END STOP	249-117	WAGO Elektro spol. s r.o.	WAG.249-117	=V10CGA10/112.2
+ER-W110	1	3	ETHERNET CABLE	RJ45 CAT. 5E SF/UTP	INVELT PLZEN CZ	INV.RJ45CAT.5ESF/UTP	=V10CGA10/22.4
+ER-W120	1	1	ETHERNET CABLE	RJ45 CAT. 5E SF/UTP	INVELT PLZEN CZ	INV.RJ45CAT.5ESF/UTP	=V10CGA10/22.6
+ER-W501	1	3	CABLE SUB-D9M with free ends	3BHE026488RXXX	INVELT PLZEN CZ	INV.3BHE026488RXXX	=V10CGA10/910.1

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			Check.						Group	Product	Part	Page 61
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Marking	Quantity		Title	Type	Producer	Code	Page/Column
	Pcs.	Total					
+ER-W502	1		CABLE SUB-D9M with free ends	3BHE026488RXXXX	INVELT PLZEN CZ	INV. 3BHE026488RXXXX	=V10CGA10/910.1
+ER-W503	1		CABLE SUB-D9M with free ends	3BHE026488RXXXX	INVELT PLZEN CZ	INV. 3BHE026488RXXXX	=V10CGA10/910.1
+ER-W510	1	2	CABLE D SUB-B--S/09S/C22/1,5M	CABLE D SUB-B--S/09S/C22/1,5M	PHOENIX CONTACT, s.r.o.	PHO. CABLE D SUB-B--S/09S/	=V10CGA10/908.1
+ER-W511	1		CABLE D SUB-B--S/09S/C22/1,5M	CABLE D SUB-B--S/09S/C22/1,5M	PHOENIX CONTACT, s.r.o.	PHO. CABLE D SUB-B--S/09S/	=V10CGA10/908.1
+ER-W514	1	1	CABLE SUB-D9M with free ends	3BHE025496RXXXX	INVELT PLZEN CZ	INV. 3BHE025496RXXXX	=V10CGA10/908.1
+ER-X01	3	11	3-CONDUCTOR THROUGH TERMINAL BLOCK	283-671	WAGO Elektro spol. s r.o.	WAG. 283-671	=V10CGA10/900.3
+ER-X01	1	4	END AND INTERMEDIATE PLATE	283-350	WAGO Elektro spol. s r.o.	WAG. 283-350	=V10CGA10/900.3
+ER-X01	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG. 249-116	=V10CGA10/900.3
+ER-X01	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG. 249-119	=V10CGA10/900.3
+ER-X02	3	11	3-CONDUCTOR THROUGH TERMINAL BLOCK	283-671	WAGO Elektro spol. s r.o.	WAG. 283-671	=V10CGA10/900.3
+ER-X02	1	4	END AND INTERMEDIATE PLATE	283-350	WAGO Elektro spol. s r.o.	WAG. 283-350	=V10CGA10/900.3
+ER-X02	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG. 249-116	=V10CGA10/900.3
+ER-X02	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG. 249-119	=V10CGA10/900.3
+ER-X03	3	11	3-CONDUCTOR THROUGH TERMINAL BLOCK	283-671	WAGO Elektro spol. s r.o.	WAG. 283-671	=V10CGA10/900.3
+ER-X03	1	4	END AND INTERMEDIATE PLATE	283-350	WAGO Elektro spol. s r.o.	WAG. 283-350	=V10CGA10/900.3
+ER-X03	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG. 249-116	=V10CGA10/900.3
+ER-X03	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG. 249-119	=V10CGA10/900.3
+ER-X03	1	1	3-CONDUCTOR THROUGH TERMINAL BLOCK	283-674	WAGO Elektro spol. s r.o.	WAG. 283-674	=V10CGA10/900.3
+ER-X03	1	1	3-CONDUCTOR EARTH TERMINAL BLOCK	283-677	WAGO Elektro spol. s r.o.	WAG. 283-677	=V10CGA10/900.3
+ER-X05	2	11	3-CONDUCTOR THROUGH TERMINAL BLOCK	283-671	WAGO Elektro spol. s r.o.	WAG. 283-671	=V10CGA10/900.3
+ER-X05	1	4	END AND INTERMEDIATE PLATE	283-350	WAGO Elektro spol. s r.o.	WAG. 283-350	=V10CGA10/900.3
+ER-X05	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG. 249-116	=V10CGA10/900.3
+ER-X05	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG. 249-119	=V10CGA10/900.3
+ER-X10	7	20	CROSS CONNECTION TERMINAL BLOCK	URTK/S	PHOENIX CONTACT, s.r.o.	PHO. URTKS	=V10CGA10/901.3
+ER-X10	1	3	COVER FOR URTK/S	D-URTK	PHOENIX CONTACT, s.r.o.	PHO. D-URTK	=V10CGA10/901.3
+ER-X10	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG. 249-116	=V10CGA10/901.3
+ER-X10	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG. 249-119	=V10CGA10/901.3
+ER-X11	6	20	CROSS CONNECTION TERMINAL BLOCK	URTK/S	PHOENIX CONTACT, s.r.o.	PHO. URTKS	=V10CGA10/901.3
+ER-X11	1	3	COVER FOR URTK/S	D-URTK	PHOENIX CONTACT, s.r.o.	PHO. D-URTK	=V10CGA10/901.3
+ER-X11	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG. 249-116	=V10CGA10/901.3
+ER-X11	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG. 249-119	=V10CGA10/901.3
+ER-X20	7	20	CROSS CONNECTION TERMINAL BLOCK	URTK/S	PHOENIX CONTACT, s.r.o.	PHO. URTKS	=V10CGA10/901.3
+ER-X20	1	3	COVER FOR URTK/S	D-URTK	PHOENIX CONTACT, s.r.o.	PHO. D-URTK	=V10CGA10/901.3
+ER-X20	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG. 249-116	=V10CGA10/901.3
+ER-X20	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG. 249-119	=V10CGA10/901.3
+ER-X031	2	39	4-CONDUCTOR THROUGH TERMINAL BLOCK	280-833	WAGO Elektro spol. s r.o.	WAG. 280-833	=V10CGA10/360.3
+ER-X031	1	16	END AND INTERMEDIATE PLATE	280-314	WAGO Elektro spol. s r.o.	WAG. 280-314	=V10CGA10/360.3
+ER-X031	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG. 249-116	=V10CGA10/360.3
+ER-X031	1	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG. 280-402	=V10CGA10/360.3
+ER-X031	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG. 249-119	=V10CGA10/360.3

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			Name	ZIZ							61 < > 63	
			Check.									
Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New		Group	Product = V10CGA10	Part +ER	Page 62 from 910

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PARTS LIST

INV0003Y 3.5.2017

Marking	Quantity		Title	Type	Producer	Code	Page/Column
	Pcs.	Total					
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+ER-X50_1	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/235.8
+ER-X50_1	1	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/235.8
+ER-X50_1	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/235.8
+ER-X50_2	2	39	4-CONDUCTOR THROUGH TERMINAL BLOCK	280-833	WAGO Elektro spol. s r.o.	WAG.280-833	=V10CGA10/235.8
+ER-X50_2	1	16	END AND INTERMEDIATE PLATE	280-314	WAGO Elektro spol. s r.o.	WAG.280-314	=V10CGA10/235.8
+ER-X50_2	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/235.8
+ER-X50_2	1	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/235.8
+ER-X50_2	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/235.8
+ER-X51_1	3	39	4-CONDUCTOR THROUGH TERMINAL BLOCK	280-833	WAGO Elektro spol. s r.o.	WAG.280-833	=V10CGA10/251.8
+ER-X51_1	1	16	END AND INTERMEDIATE PLATE	280-314	WAGO Elektro spol. s r.o.	WAG.280-314	=V10CGA10/251.8
+ER-X51_1	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/251.8
+ER-X51_1	2	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/251.8
+ER-X51_1	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/251.8
+ER-X51_2	3	39	4-CONDUCTOR THROUGH TERMINAL BLOCK	280-833	WAGO Elektro spol. s r.o.	WAG.280-833	=V10CGA10/251.8
+ER-X51_2	1	16	END AND INTERMEDIATE PLATE	280-314	WAGO Elektro spol. s r.o.	WAG.280-314	=V10CGA10/251.8
+ER-X51_2	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/251.8
+ER-X51_2	2	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/251.8
+ER-X51_2	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/251.8
+ER-X80	2	9	3-CONDUCTOR THROUGH TERMINAL BLOCK	282-681	WAGO Elektro spol. s r.o.	WAG.282-681	=V10CGA10/900.3
+ER-X80	1	3	END AND INTERMEDIATE PLATE	282-308	WAGO Elektro spol. s r.o.	WAG.282-308	=V10CGA10/900.3
+ER-X80	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/900.3
+ER-X80	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/900.3
+ER-X90	3	9	3-CONDUCTOR THROUGH TERMINAL BLOCK	282-681	WAGO Elektro spol. s r.o.	WAG.282-681	=V10CGA10/900.3
+ER-X90	1	3	END AND INTERMEDIATE PLATE	282-308	WAGO Elektro spol. s r.o.	WAG.282-308	=V10CGA10/900.3
+ER-X90	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/900.3
+ER-X90	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/900.3
+ER-X90	1	1	3-CONDUCTOR THROUGH TERMINAL BLOCK	282-684	WAGO Elektro spol. s r.o.	WAG.282-684	=V10CGA10/900.3
+ER-X90	1	1	3-CONDUCTOR EARTH TERMINAL BLOCK	282-687	WAGO Elektro spol. s r.o.	WAG.282-687	=V10CGA10/900.3
+ER-X90_1	2	39	4-CONDUCTOR THROUGH TERMINAL BLOCK	280-833	WAGO Elektro spol. s r.o.	WAG.280-833	=V10CGA10/145.1
+ER-X90_1	1	16	END AND INTERMEDIATE PLATE	280-314	WAGO Elektro spol. s r.o.	WAG.280-314	=V10CGA10/145.1
+ER-X90_1	1	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/145.1
+ER-X90_1	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/145.1
+ER-X90_1	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/145.1
+ER-X90_2	2	2	4-CONDUCTOR THROUGH TERMINAL BLOCK	280-834	WAGO Elektro spol. s r.o.	WAG.280-834	=V10CGA10/145.1
+ER-X90_2	1	16	END AND INTERMEDIATE PLATE	280-314	WAGO Elektro spol. s r.o.	WAG.280-314	=V10CGA10/145.1
+ER-X90_2	1	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/145.1
+ER-X90_2	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/145.1
+ER-X90_2	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/145.1
+ER-X90_3	1	39	4-CONDUCTOR THROUGH TERMINAL BLOCK	280-833	WAGO Elektro spol. s r.o.	WAG.280-833	=V10CGA10/145.4
+ER-X90_3	1	16	END AND INTERMEDIATE PLATE	280-314	WAGO Elektro spol. s r.o.	WAG.280-314	=V10CGA10/145.4
+ER-X90_3	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/145.4
+ER-X90_3	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/145.4
+ER-X100	14	91	3-CONDUCTOR THROUGH TERMINAL BLOCK	280-641	WAGO Elektro spol. s r.o.	WAG.280-641	=V10CGA10/903.3
+ER-X100	1	9	END AND INTERMEDIATE PLATE	280-312	WAGO Elektro spol. s r.o.	WAG.280-312	=V10CGA10/903.3
+ER-X100	9	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/903.3
+ER-X100	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/903.3
+ER-X100	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/903.3
+ER-X110	6	91	3-CONDUCTOR THROUGH TERMINAL BLOCK	280-641	WAGO Elektro spol. s r.o.	WAG.280-641	=V10CGA10/903.3
+ER-X110	1	9	END AND INTERMEDIATE PLATE	280-312	WAGO Elektro spol. s r.o.	WAG.280-312	=V10CGA10/903.3

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			Check.						Group	Product	Part	Page 63
Revision	Date	Name	Job No.	17904/BS	Subst. c	Orig.	New			= V10CGA10	+ER	from 910

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PARTS LIST

INV0003Y 3.5.2017

Marking	Quantity		Title	Type	Producer	Code	Page/Column
	Pcs.	Total					
+ER-X110	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/903.3
+ER-X110	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/903.3
+ER-X160	1	2	VARIOFACE MODULE, with screw connection	FLKM-D 9 SUB/B	PHOENIX CONTACT, s.r.o	PH0.FLKM-D 9 SUB/B	=V10CGA10/533.4
+ER-X160	1	2	BUS INTERFACE CONNECTOR RS485	66K1500-0FC10	Siemens s.r.o.	SIE.66K1500-0FC10	=V10CGA10/533.4
+ER-X161	1	2	VARIOFACE MODULE, with screw connection	FLKM-D 9 SUB/B	PHOENIX CONTACT, s.r.o	PH0.FLKM-D 9 SUB/B	=V10CGA10/533.4
+ER-X161	1	2	BUS INTERFACE CONNECTOR RS485	66K1500-0FC10	Siemens s.r.o.	SIE.66K1500-0FC10	=V10CGA10/533.4
+ER-X200	13	91	3-CONDUCTOR THROUGH TERMINAL BLOCK	280-641	WAGO Elektro spol. s r.o.	WAG.280-641	=V10CGA10/904.3
+ER-X200	1	9	END AND INTERMEDIATE PLATE	280-312	WAGO Elektro spol. s r.o.	WAG.280-312	=V10CGA10/904.3
+ER-X200	4	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/904.3
+ER-X200	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/904.3
+ER-X200	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/904.3
+ER-X210	28	91	3-CONDUCTOR THROUGH TERMINAL BLOCK	280-641	WAGO Elektro spol. s r.o.	WAG.280-641	=V10CGA10/905.3
+ER-X210	1	9	END AND INTERMEDIATE PLATE	280-312	WAGO Elektro spol. s r.o.	WAG.280-312	=V10CGA10/905.3
+ER-X210	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/905.3
+ER-X210	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/905.3
+ER-X510	1	2	VARIOFACE MODULE, with screw connection	FLKM-D 9 SUB/S	PHOENIX CONTACT, s.r.o	PH0.FLKM-D 9 SUB/S	=V10CGA10/908.3
+ER-X511	1	1	VARIOFACE MODULE, with screw connection	FLKM-D 9 SUB/S	PHOENIX CONTACT, s.r.o	PH0.FLKM-D 9 SUB/S	=V10CGA10/908.3
+ER-X515	2	91	3-CONDUCTOR THROUGH TERMINAL BLOCK	280-641	WAGO Elektro spol. s r.o.	WAG.280-641	=V10CGA10/908.3
+ER-X515	1	9	END AND INTERMEDIATE PLATE	280-312	WAGO Elektro spol. s r.o.	WAG.280-312	=V10CGA10/908.3
+ER-X515	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/908.3
+ER-X515	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/908.3
+ER-X516	2	91	3-CONDUCTOR THROUGH TERMINAL BLOCK	280-641	WAGO Elektro spol. s r.o.	WAG.280-641	=V10CGA10/908.3
+ER-X516	1	9	END AND INTERMEDIATE PLATE	280-312	WAGO Elektro spol. s r.o.	WAG.280-312	=V10CGA10/908.3
+ER-X516	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/908.3
+ER-X516	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/908.3
+ER-X700	10	91	3-CONDUCTOR THROUGH TERMINAL BLOCK	280-641	WAGO Elektro spol. s r.o.	WAG.280-641	=V10CGA10/902.3
+ER-X700	1	9	END AND INTERMEDIATE PLATE	280-312	WAGO Elektro spol. s r.o.	WAG.280-312	=V10CGA10/902.3
+ER-X700	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/902.3
+ER-X700	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/902.3
+ER-X800	16	91	3-CONDUCTOR THROUGH TERMINAL BLOCK	280-641	WAGO Elektro spol. s r.o.	WAG.280-641	=V10CGA10/902.3
+ER-X800	1	9	END AND INTERMEDIATE PLATE	280-312	WAGO Elektro spol. s r.o.	WAG.280-312	=V10CGA10/902.3
+ER-X800	2	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/902.3
+ER-X800	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/902.3
+ER-X800	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/902.3
+ER-X810	3	39	4-CONDUCTOR THROUGH TERMINAL BLOCK	280-833	WAGO Elektro spol. s r.o.	WAG.280-833	=V10CGA10/152.7
+ER-X810	1	16	END AND INTERMEDIATE PLATE	280-314	WAGO Elektro spol. s r.o.	WAG.280-314	=V10CGA10/152.7
+ER-X810	1	41	SCREWLESS END STOP 6 MM	249-116	WAGO Elektro spol. s r.o.	WAG.249-116	=V10CGA10/152.7
+ER-X810	2	37	ADJACENT JUMPER, INSULATED	280-402	WAGO Elektro spol. s r.o.	WAG.280-402	=V10CGA10/152.7
+ER-X810	1	33	ADJUSTABLE HEIGHT GROUP MARKER	249-119	WAGO Elektro spol. s r.o.	WAG.249-119	=V10CGA10/152.7
+ER-X812	7	39	4-CONDUCTOR THROUGH TERMINAL BLOCK	280-833	WAGO Elektro spol. s r.o.	WAG.280-833	=V10CG

			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA				PART LIST	Drawing No. INET/171569/e			6065-7DS-200_E		
			Name	ZIZ									63	< >	65
			Check.												
Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New				Group	Product	Part	Page	64
											= V10CGA10	+ER		from	910

PARTS LIST

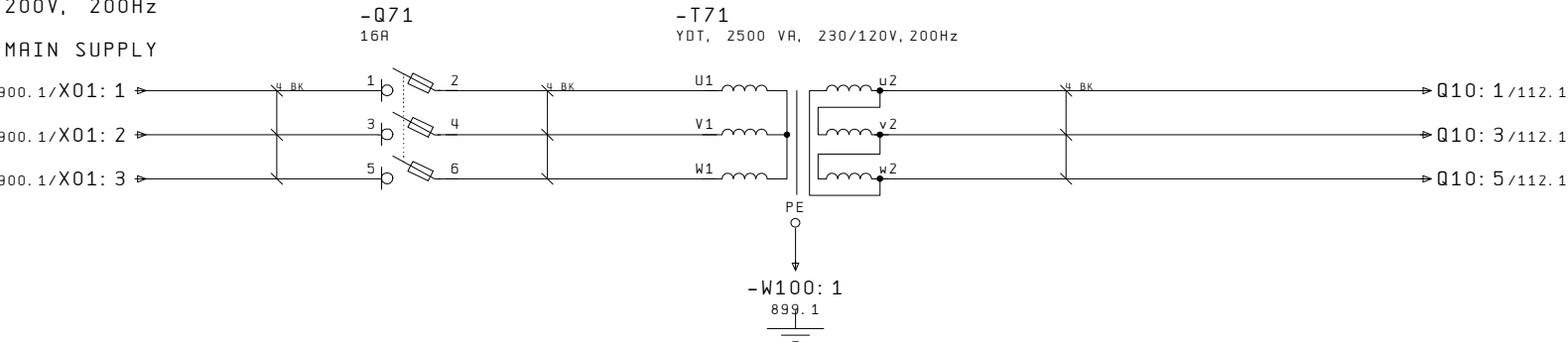
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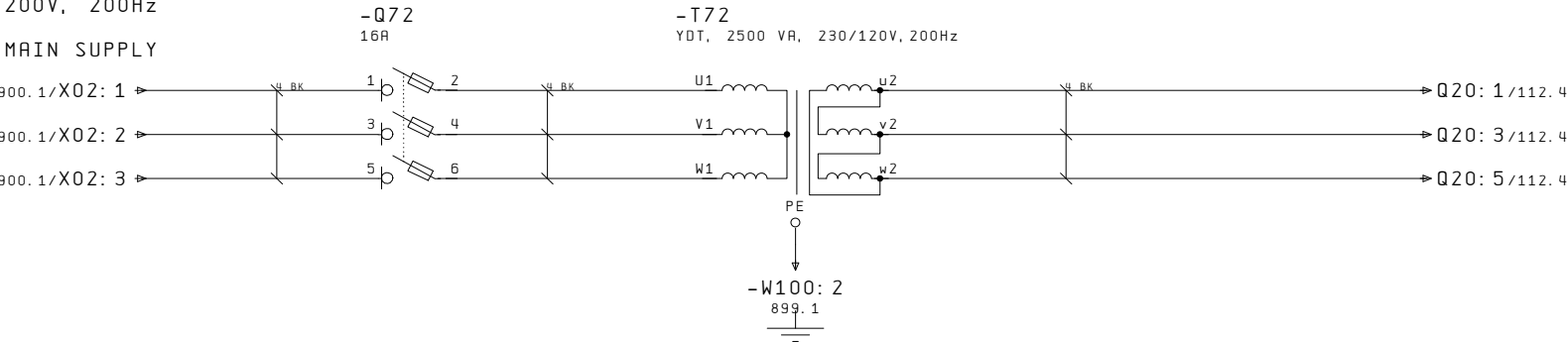
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Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New		= V10CGA10	+ER	from	910		

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CONVERTER SUPPLY		FUSELINK		TEST TRANSFORMER					

200V, 200Hz
MAIN SUPPLY

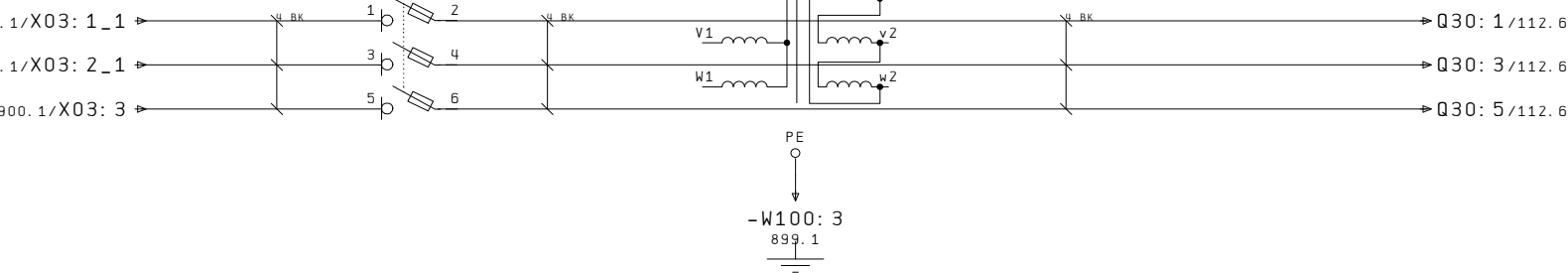


200V, 200Hz
MAIN SUPPLY



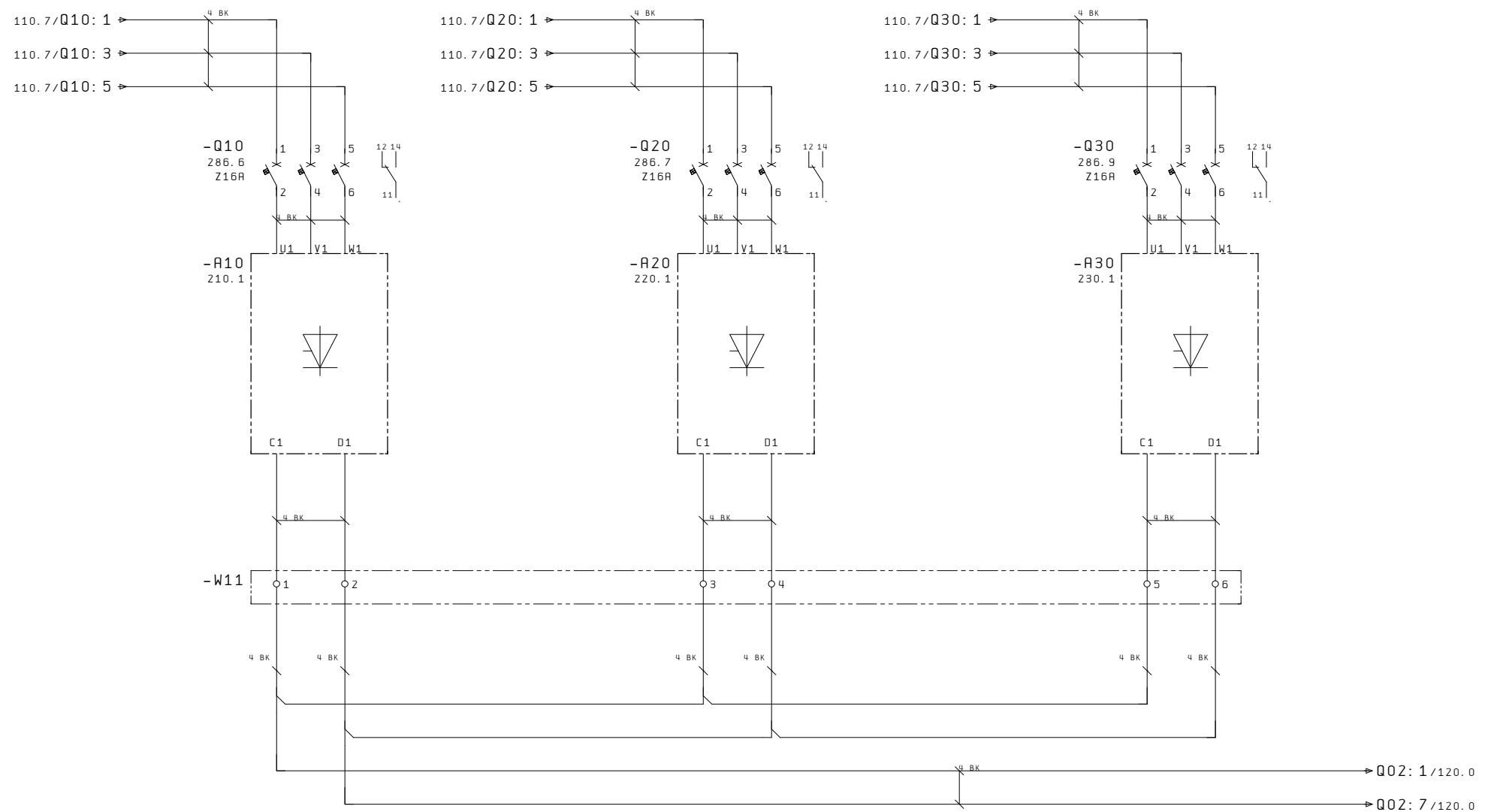
AUX SUPPLY

Diagram showing the AUX SUPPLY circuit. It includes a transformer T73 (YDT, 2500 VA, 400/105V, 50Hz) and a fuse Q73 (6A). The primary side has terminals 1, 2, 3 and 4, 5, 6. The secondary side has terminals U1, V1, W1 and u2, v2, w2. The output is connected to a busbar -W100: 3 with a ground connection.



			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA			AC - INPUT		Drawing No. INET/171569/e		6065-7DS-200_E	
			Name	ZIZ						65		< > 112	
			Check.							Group	Product	Part	Page 110
Revision	Date	Name	Job No.	17904/BS	Subst. c	Orig.	New			= V10CGA10		+ER	from 910

0	1	2	3	4	5	6	7	8	9
	CONVERTER 1			CONVERTER 2			CONVERTER 3		



			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA				CONVERTER		Drawing No. INET/171569/e		6065-7DS-200_E	
			Name	ZIZ							110 < > 120			
			Check.								Group	Product	Part	Page 112
Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New					= V10CGA10	+ER	from 910

Electrical schematic diagram showing a power supply system with two main input lines and various components.

Input Lines:

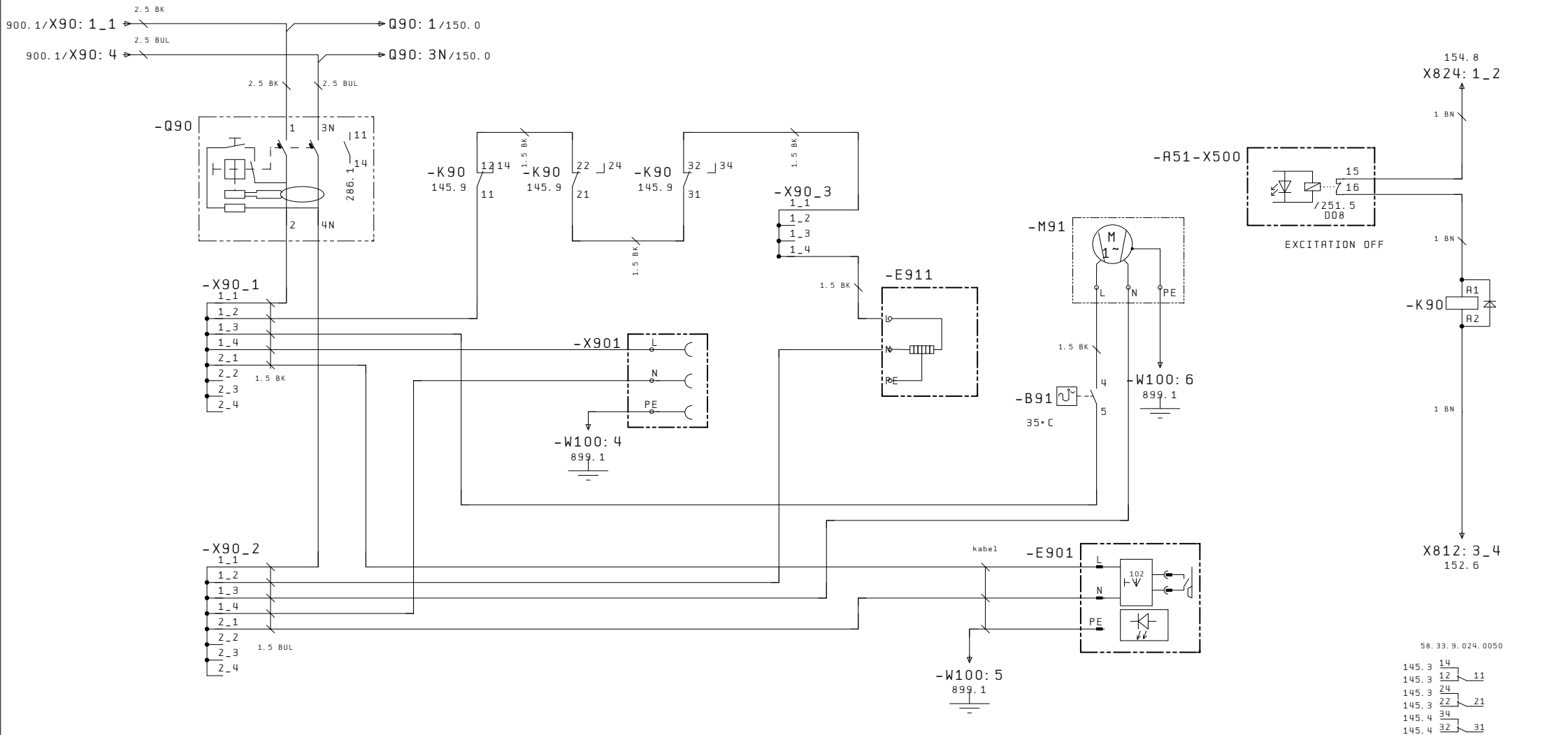
- Top line: 112.9/Q02: 1
- Bottom line: 112.9/Q02: 7

Components and Connections:

- Switches:**
 - Q02 365.2 (Top left)
 - Q02 365.2 (Bottom left)
 - R02 10R/100W (Bottom left branch)
 - R08 1J (Middle branch)
 - P06 22.2 (Bottom middle branch)
 - F501_1 and -F501_2 (Bottom right branch)
 - F502_1 and -F502_2 (Bottom right branch)
 - P08 22.2 (Bottom right branch)
 - R06 60mV/25A (Top right branch)
- Output Lines:**
 - X05: 1/900.1
 - X05: 1_2/900.1
 - X05: 2_2/900.1
 - X05: 2/900.1

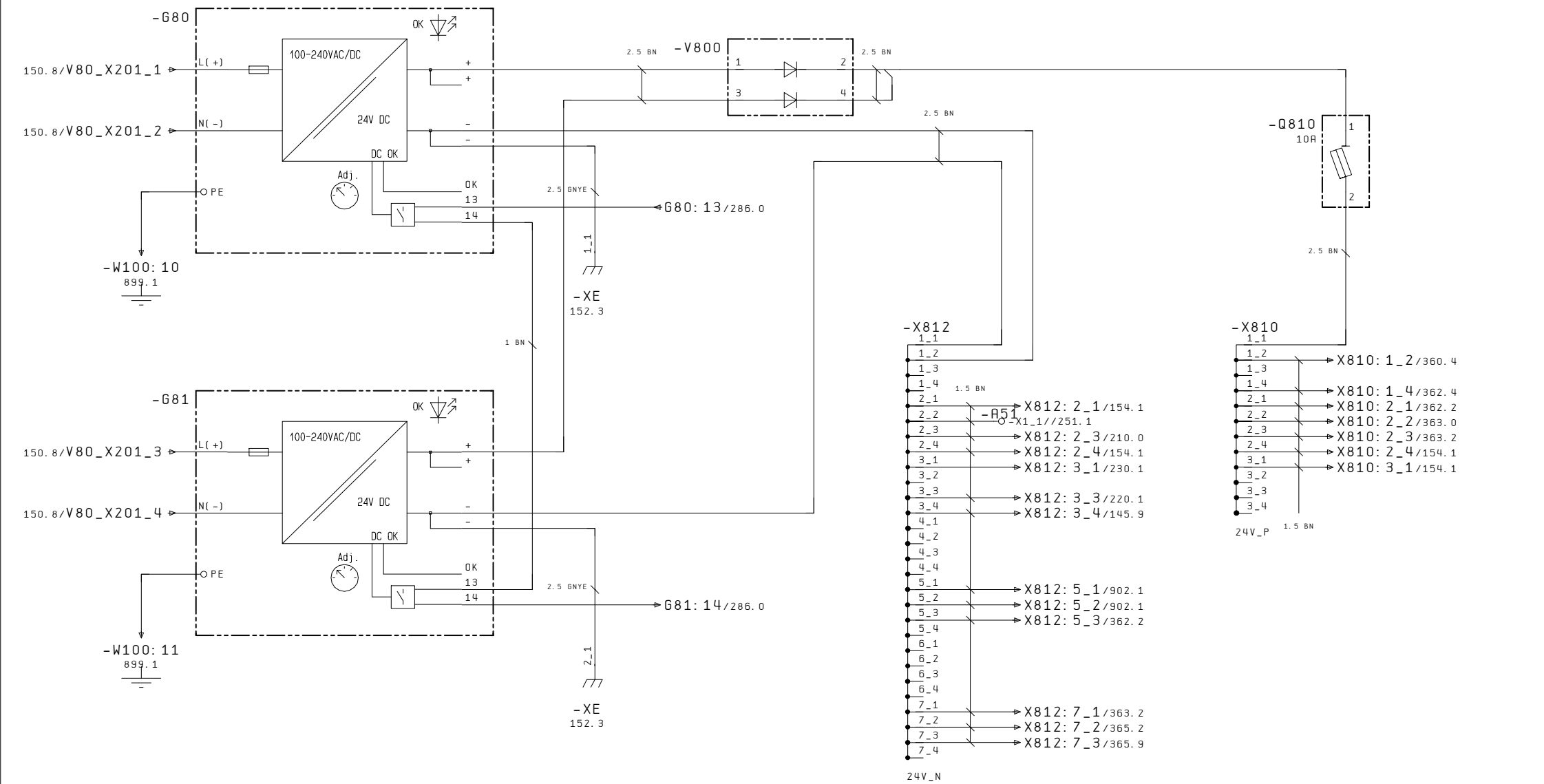
			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA				DC - OUTPUT	Drawing No. INET/171569/e		6065-7DS-200_E	
		Name	ZIZ	112								<	>
		Check.								Group	Product	Part	Page
Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New		= V10CGA10	+ER		from	910

0	1	2	3	4	5	6	7	8	9
AUXILIARY SUPPLY 230V AC, 50Hz, 10A			SOCKET		HEATING		LIGHT LIGHT		HEATING ON/OFF CONTROL



			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA				AUXILIARY CIRCUITS		Drawing No. INET/171569/e		6065-7DS-200_E	
			Name	ZIZ							120 < > 150			
			Check.								Group	Product	Part	Page 145
Revision	Date	Name	Job No.	17904/BS	Subst. c	Orig.	New					= V10CGA10	+ER	from 910

POWER SUPPLY DC/DC



24Vdc DISTRIBUTION		
POWER DISTRIBUTER	INTERFACE FILTER	



-A10 210.1			-A20 220.1			-A30 230.1		
No.	SHEET	DESCRIPTION	No.	SHEET	DESCRIPTION	No.	SHEET	DESCRIPTION
-A10-X400			-A20-X400			-A30-X400		
DI1○	/903.2	EXCITATION OFF CMD	DI1○	/903.2	EXCITATION OFF CMD	DI1○	/903.2	EXCITATION OFF CMD
DI2○	/903.2	RAISE CMD	DI2○	/903.2	RAISE CMD	DI2○	/903.2	RAISE CMD (from ET200")
DI3○	/903.2	LOWER CMD	DI3○	/903.2	LOWER CMD	DI3○	/903.2	LOWER CMD (from ET200")
DI4○	/903.2	ONLINE	DI4○	/903.2	ONLINE	DI4○	/903.2	ONLINE
DI5○	/286.5	CHANNEL 1 FAIL	DI5○	/286.7	CHANNEL 2 FAIL	DI5○	/286.8	CHANNEL 3 FAIL
-A10-X401			-A20-X401			-A30-X401		
DI6○	/362.7	EXTERNAL TRIP	DI6○	/362.8	EXTERNAL TRIP	DI6○	/362.8	EXTERNAL TRIP
-A10-X500			-A20-X500			-A30-X500		
D01○	/360.0	CHANNEL 1 OK	D01○	/360.1	CHANNEL 2 OK	D01○	/360.2	CHANNEL 1 OK
D02○	/903.2	CHANNEL 1 SELECTED	D02○	/903.2	CHANNEL 2 SELECTED	D02○	/903.2	CHANNEL 3 SELECTED
-A10-X501			-A20-X501			-A30-X501		
D03○	/360.4	INTERNAL TRIP	D03○	/360.6	INTERNAL TRIP	D03○	/360.7	INTERNAL TRIP
OM			OM			OM		
V1/2			V1/2			V1/2		
V3/4			V3/4			V3/4		
V5/6			V5/6			V5/6		
V7/8			V7/8			V7/8		
V9/10			V9/10			V9/10		

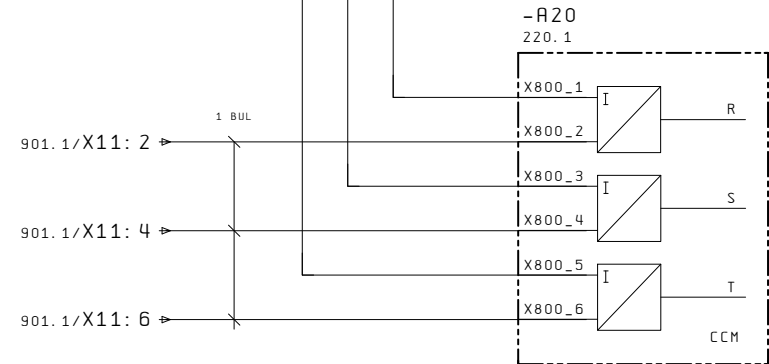
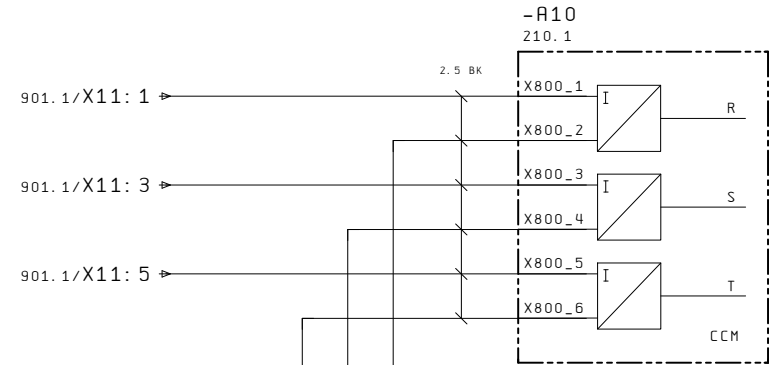
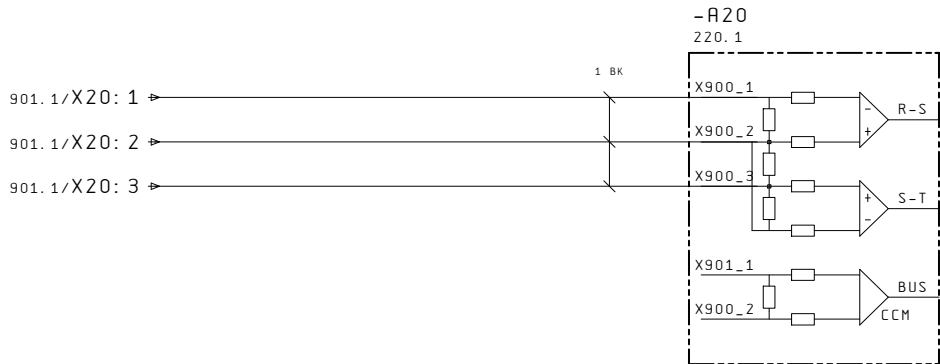
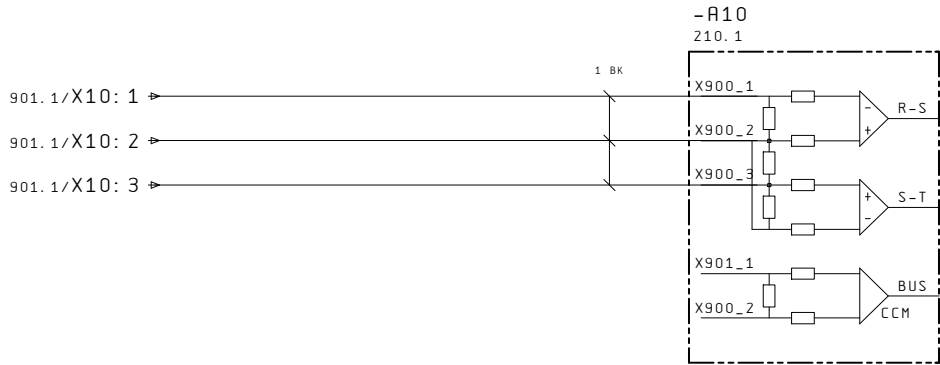
1.5 BN

EXTERNAL TRIP

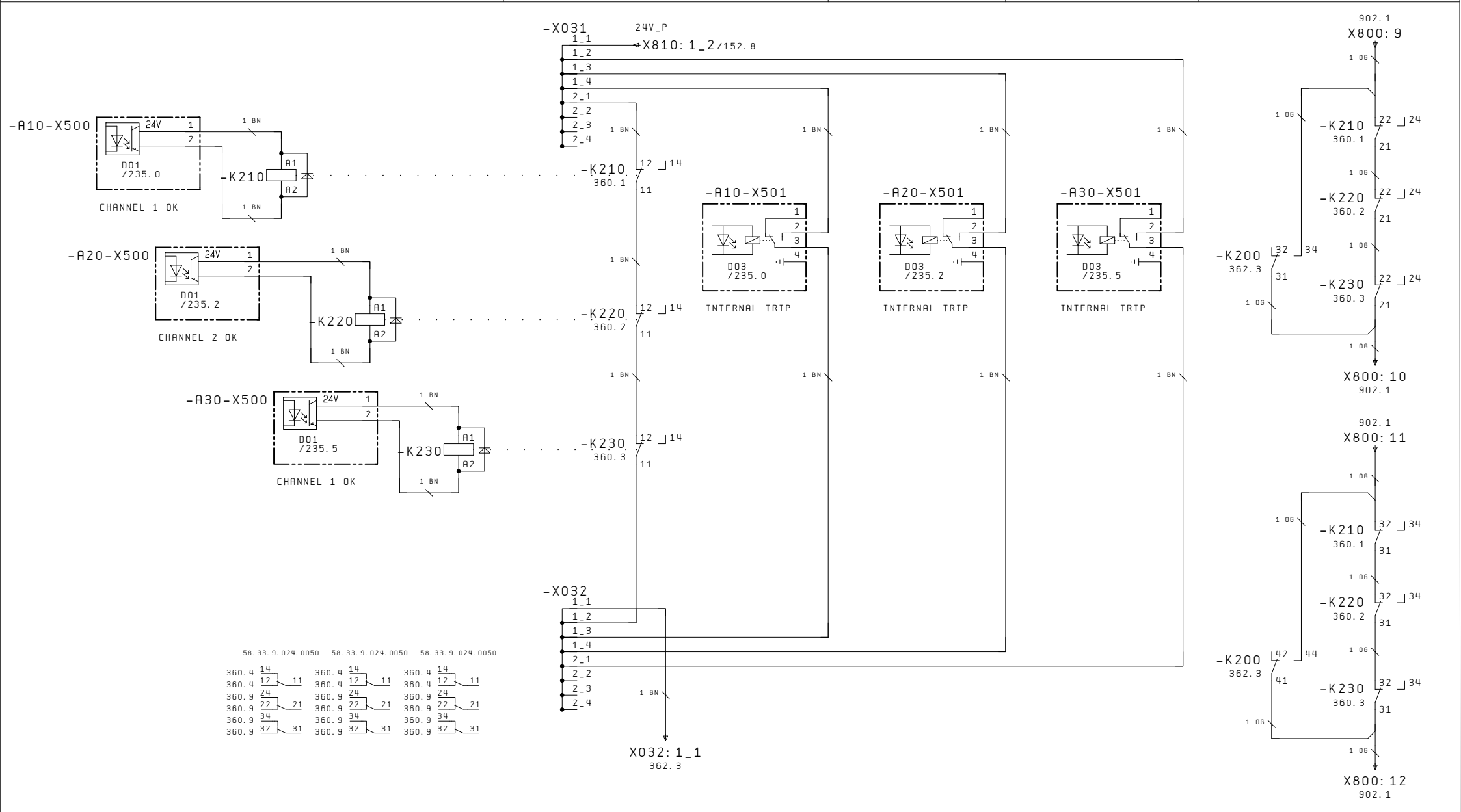
1.5 BN

-W100: 15

			Date	17. 10. 2018	VILNIUS WtE LITHUANIA STG 25.53MVA			CCM & CIO SIGNAL OVERVIEW	Drawing No. INET/171569/e		6065-70S-200_E	
			Name	ZIZ							230 < > 238	
			Check.									
Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New		Group	Product = V10CGA10	Part +ER	Page 235 from 910

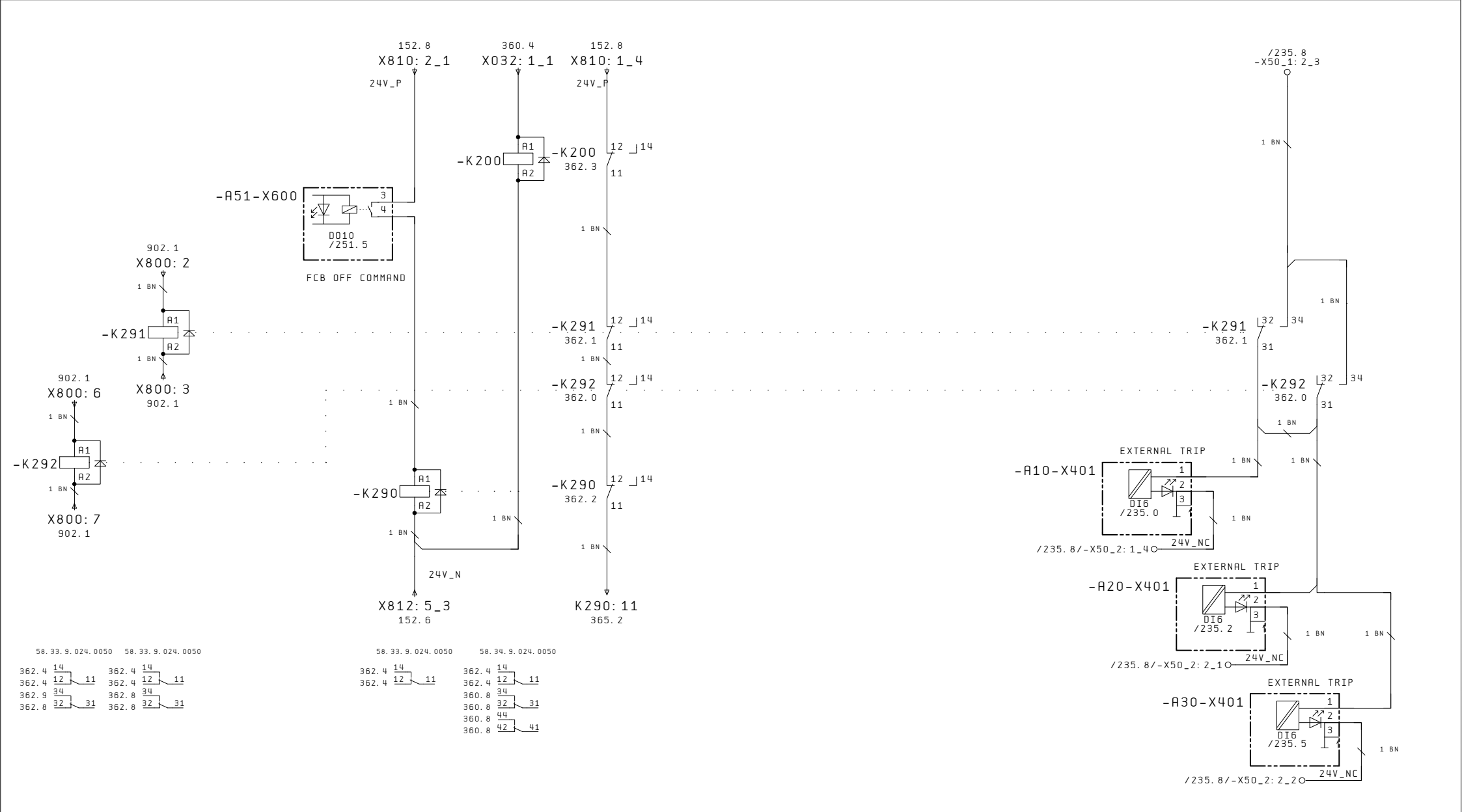


0	1	2	3	4	5	6	7	8	9	
CHANNEL 1 OK			INTERNAL TRIPS						TRIP SIGNALIZATION	
CHANNEL 2 OK			CHANNEL 1		CHANNEL 2		CHANNEL 3	INTERNAL TRIPS		
CHANNEL 3 OK										



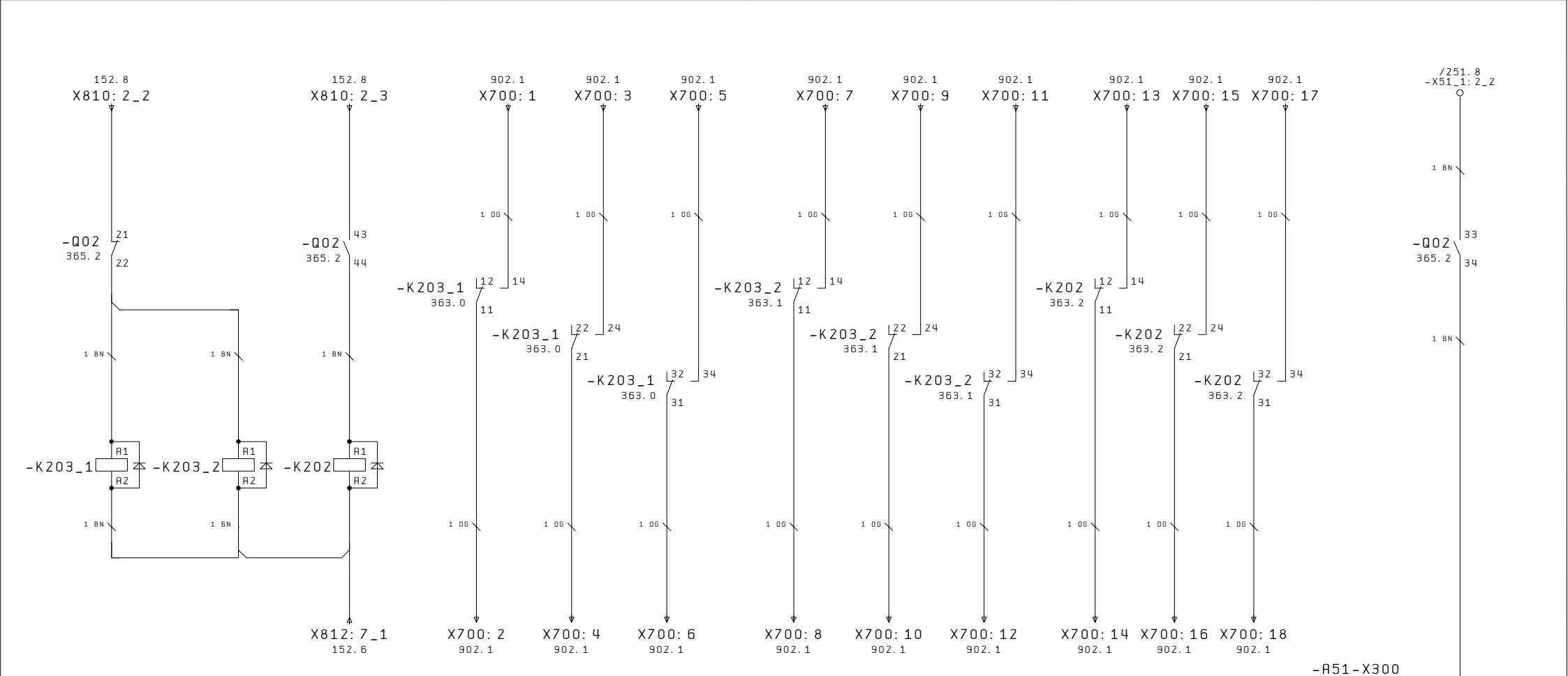
		Date	17.10.2018	VILNIUS WtE		TRIP CIRCUIT		Drawing No. INET/171569/e		6065-7DS-200_E	
		Name	ZIZ	LITHUANIA STG 25.53MVA				286		< > 362	
		Check.						Group	Product	Part	Page
Revision		Date	Name	Job No.	17904/BS	Subst. c	Orig.	New	= V10CGA10	+ER	360
										from 910	

0	1	2	3	4	5	6	7	8	9
EXTERNAL TRIP 1 (-K291)		FIELD BREAKER OFF COMMAND	TRIP CIRCUIT					TRIP SIGNALIZATION EXTERNAL TRIPS	
EXTERNAL TRIP 2 (-K292)									

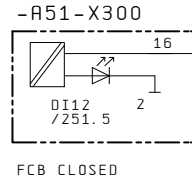


			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA		TRIP CIRCUIT		Drawing No. INET/171569/e		6065-7DS-200_E	
			Name	ZIZ					360 < > 363			
			Check.									
Revision	Date	Name	Job No.	17904/BS	Subst. c	Orig.	New		Group	Product	Part	Page 362
										= V10CGA10	+ER	from 910

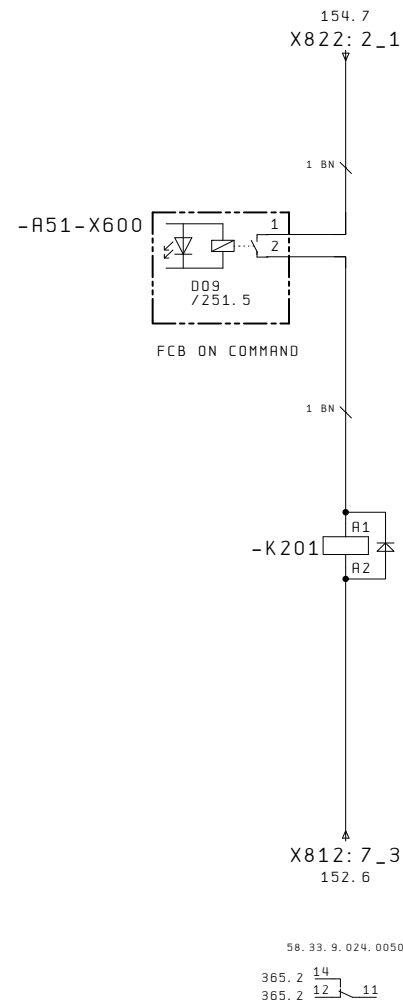
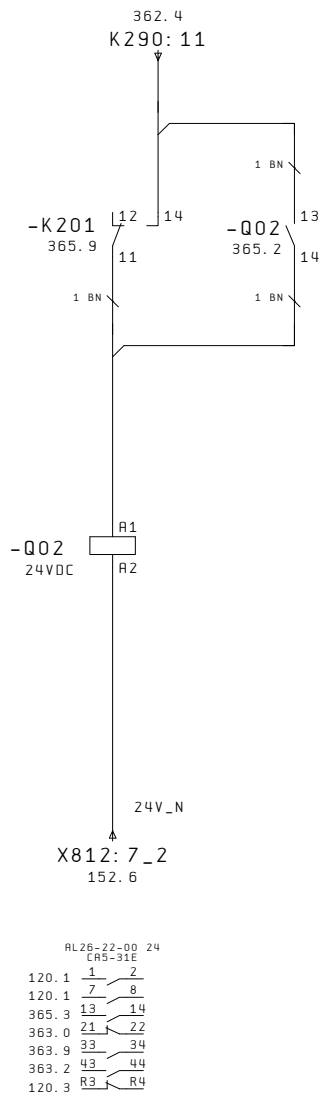
0	1	2	3	4	5	6	7	8	9
FIELD BREAKER STATUS SIGNALIZATION									
OFF			OFF			ON		STATUS FOR SOFTWARE	



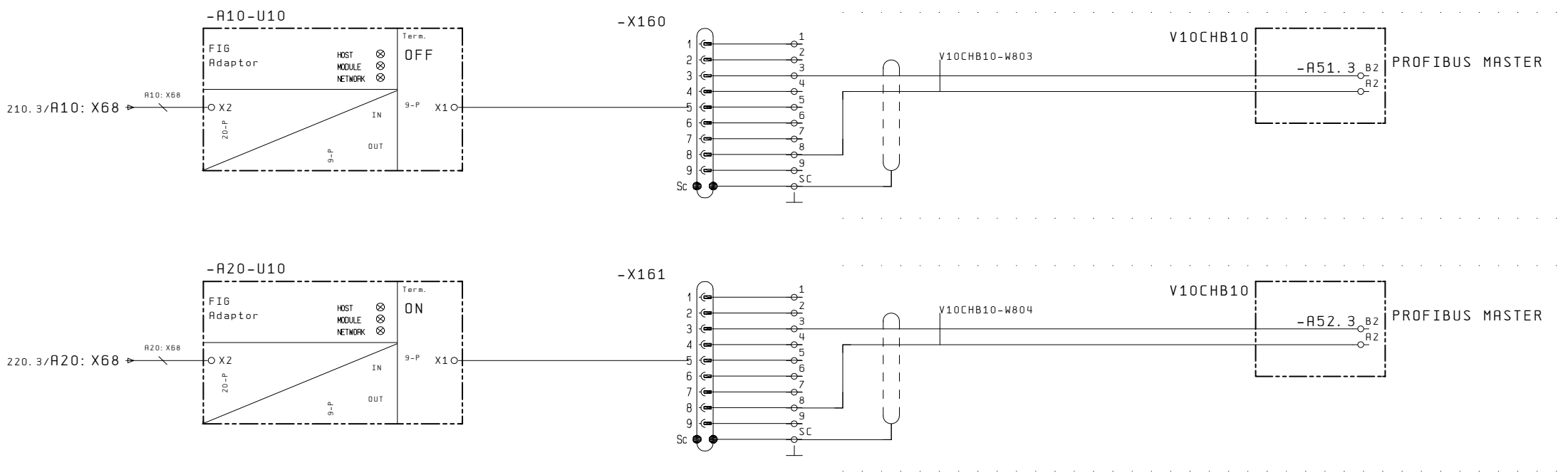
58. 33. 9. 024. 0050	58. 33. 9. 024. 0050	58. 33. 9. 024. 0050
363. 3 14	363. 5 14	363. 7 14
363. 3 12 11	363. 5 12 11	363. 6 12 11
363. 3 24	363. 5 24	363. 7 24
363. 3 22 21	363. 5 22 21	363. 7 22 21
363. 3 34	363. 5 34	363. 7 34
363. 4 32 31	363. 6 32 31	363. 7 32 31



		Date	17.10.2018	VILNIUS WtE		FIELD BREAKER STATUS		Drawing No. INET/171569/e		6065-7DS-200_E	
		Name	ZIZ	LITHUANIA STG 25.53MVA		invelt elektro s.r.o.		362 < > 365			
		Check.						Group		Product Part	
										= V10CGA10 +ER	
Revision	Date	Name	Job No.	17904/BS	Subst. c	Orig.	New			Page 363	
										from 910	



0	1	2	3	4	5	6	7	8	9
PROFIBUS ADAPTOR FIG MODULE				MASTER DEVICE					



-X160=PROFIBUS
-X161=PROFIBUS

			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA		<i>invelt</i> elektro <i>s.r.o.</i>		FIELDBUS COMMUNICATION		Drawing No. INET/171569/e		6065-7DS-200_E	
			Name	ZIZ							365 < > 899			
			Check.								Group	Product	Part	Page 533
Revision	Date	Name	Job No.	17904/BS	Subst. c	Orig.	New					= V10CGA10	+ER	from 910

CUBICLE GROUNDING
CONNECTION WITH CENTRAL GROUNDING SYSTEM

+ER-W100
899.1

WE Cu 1x16 GNYE

MIN 16mm² CABLE PE

TO CENTR. GND

-X01

+V10MKC10GE010

V10CGA10-W101 Cu 3x6

X88

MAIN SUPPLY FROM PMG
NOMINAL VOLTAGE 3x200V, 200Hz
NOMINAL CURRENT 10A
FUSED 16A

-X02

V10CGA10-W102 Cu 3x6

X88

MAIN SUPPLY FROM PMG
NOMINAL VOLTAGE 3x200V, 200Hz
NOMINAL CURRENT 10A
FUSED 16A

-X03

+V10BJA10

V10CGA10-W103 Cu 5x6

-X?

AC AUX. POWER SUPPLY #1
NOMINAL VOLTAGE 3x400V, 50Hz
NOMINAL CURRENT FUSED 10A

-X05

+V10MKC10GE010

V10CGA10-W104 Cu 3x6

X89

NOMINAL OUTPUT VOLTAGE 70.4V
NOMINAL OUTPUT CURRENT 8.9A

-X80

+V10BUA10

V10CGA10-W105 Cu 3x10

-X?

BATTERY #1
220V
DC/IT
CB 10A

-X90

+V10BJA10

V10CGA10-W106 Cu 3x10

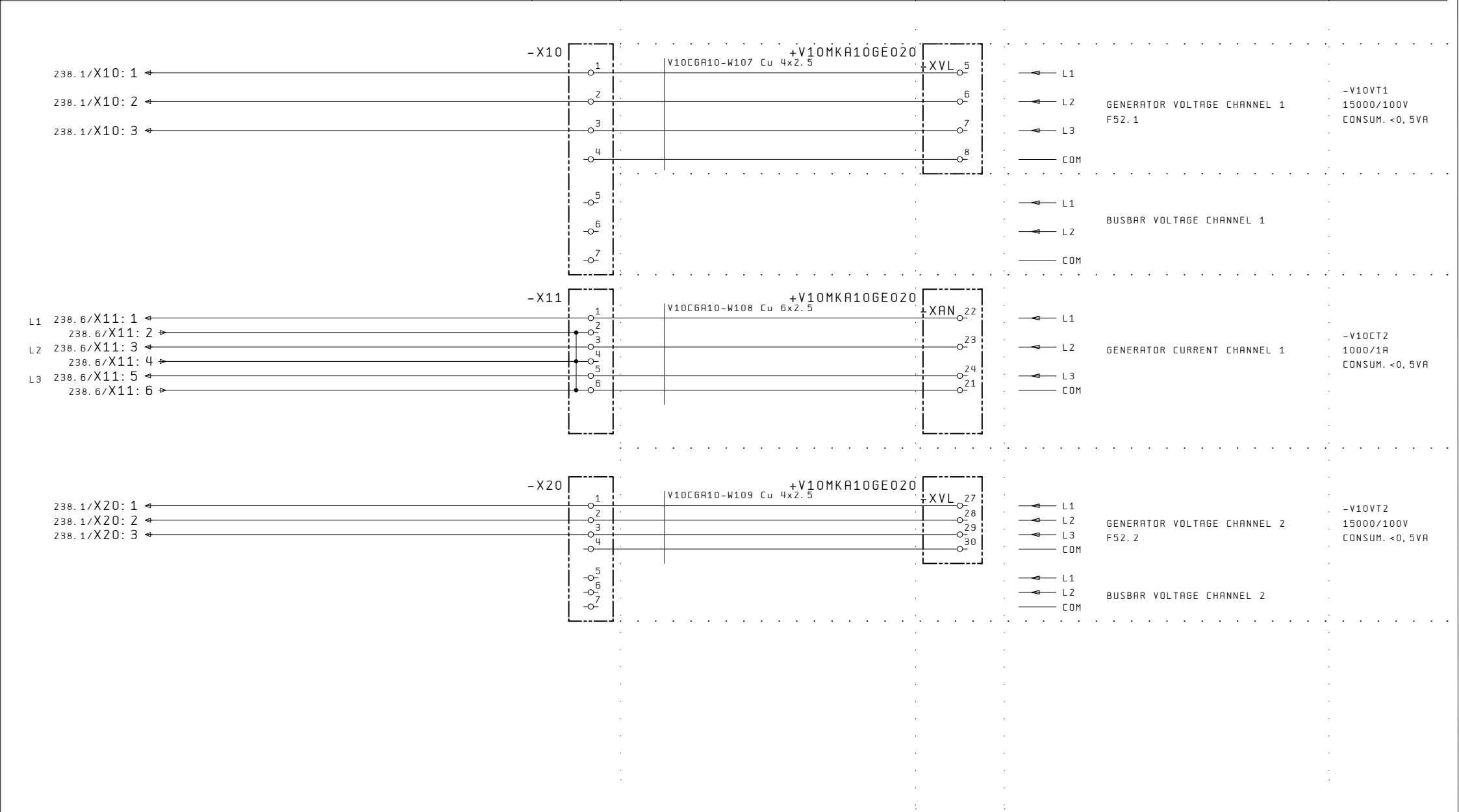
-X?

AC AUX. POWER SUPPLY #2
1x230V
50Hz
CB 10A

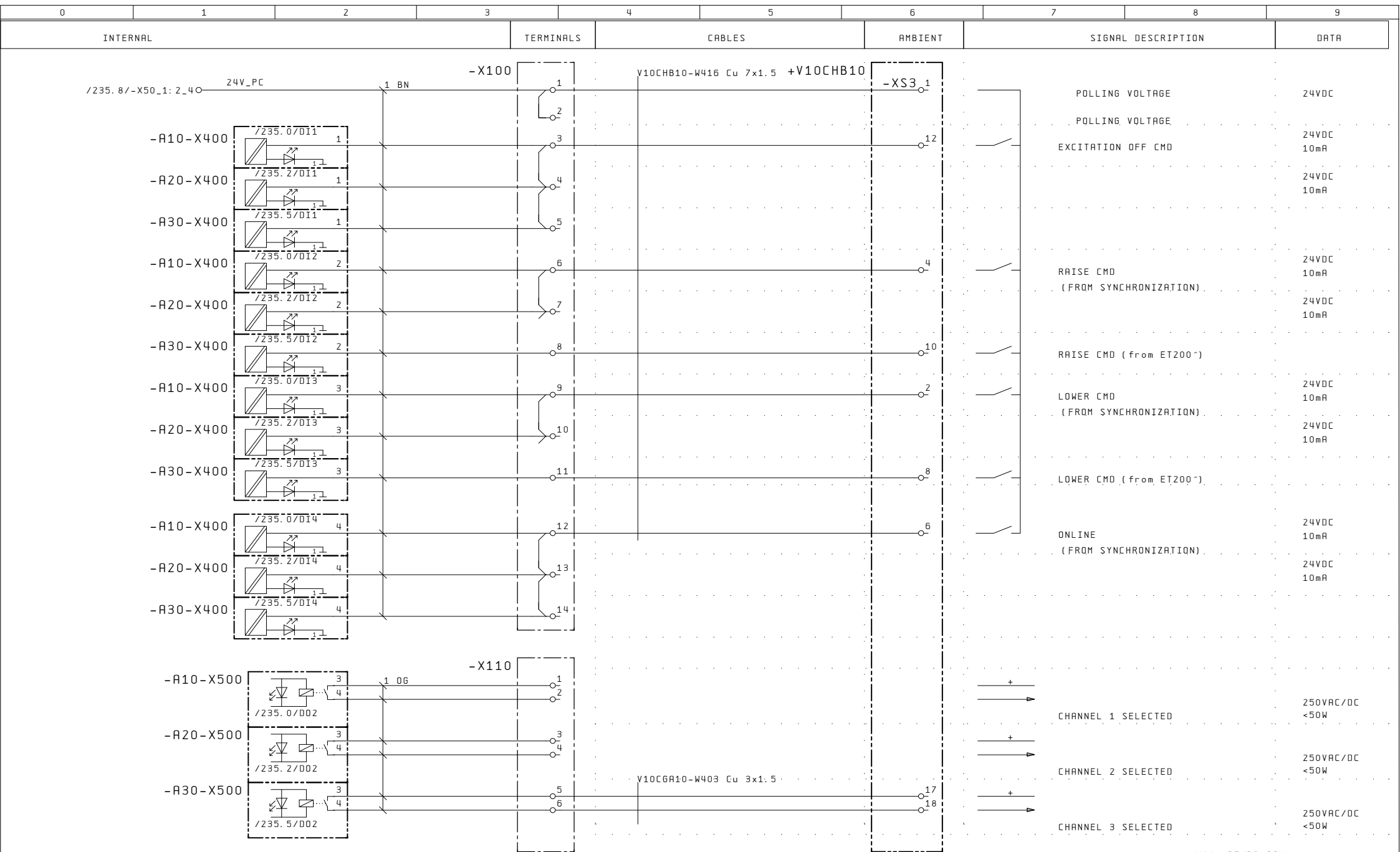
-X90=AC AUX POWER SUPPLY (1x220V, 50Hz)

			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA 		LIST OF TERMINALS		Drawing No. INET/171569/e		6065-7DS-200_E	
			Name	ZIZ							899 < > 901	
			Check.									
Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New	Group		Product	Part	Page
								= V10CGA10			+ER	900
												from 910

0	1	2	3	4	5	6	7	8	9
INTERNAL			TERMINALS	CABLES		AMBIENT	SIGNAL DESCRIPTION		DATA



			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA				LIST OF TERMINALS	Drawing No. INET/171569/e		6065-7DS-200_E	
			Name	ZIZ						900 < > 902			
			Check.										
Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New			Group	Product	Part	Page
										= V10CGA10	+ER		901
													910



0	1	2	3	4	5	6	7	8	9
INTERNAL			TERMINALS	CABLES		AMBIENT	SIGNAL DESCRIPTION		DATA
-A51-X500			-X210						
 /251. 5/D01			 1				 +	AUTO-MANUAL TRANSFER READY	250VAC/DC <50W
 /251. 5/D02			 3				 +	LOCAL CONTROL	250VAC/DC <50W
 /251. 5/D03			 5				 +	SETPOINT MAX	250VAC/DC <50W
 /251. 5/D04			 7				 +	SETPOINT MIN	250VAC/DC <50W
 /251. 5/D05			 9				 +	AUTO ON	250VAC/DC <50W
 /251. 5/D06			 11				 +	MAN ON	250VAC/DC <50W
 /251. 5/D07			 13				 +	EXCITATION ON	250VAC/DC <50W
			 15					SPARE	
			 16						
-A51-X600									
 /251. 5/D011			 17				 +	SPARE	250VAC/DC <50W
 /251. 5/D012			 19				 +	SPARE	250VAC/DC <50W
 /251. 5/D013			 21				 +	SPARE	250VAC/DC <50W
 /251. 5/D014			 23				 +	SPARE	250VAC/DC <50W
 /251. 5/D015			 25				 +	SPARE	250VAC/DC <50W
 /251. 5/D016			 27				 +	SUPERIMPOSED CONTROL ON	250VAC/DC <50W
			 28				 +	COMMON ALARM	250VAC/DC <50W

* RESISTIVE LOAD OR INDUCTIVE LOAD WITH SUPPRESSION ELEMENT

```
LIST OF TERMINALS
DO CIO
```

6065-7DS-200_E

Group

$$= V10C GA10$$

			Date	17. 10. 2018
			Name	ZIZ
			Check.	
Revision	Date	Name	Job No	17904/BS

```
LIST OF TERMINALS
DO CIO
```

Drawing No. INET/171569/e

6065-7DS-200_E

904	< >	908
-----	-----	-----

Group

Product

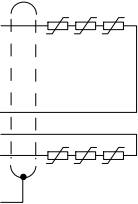
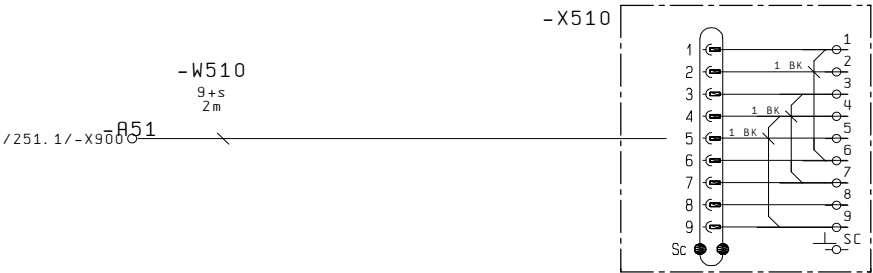
Part

Page 905

$$= V10C GA10$$
 $+ER$

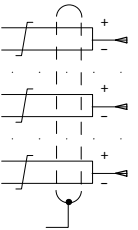
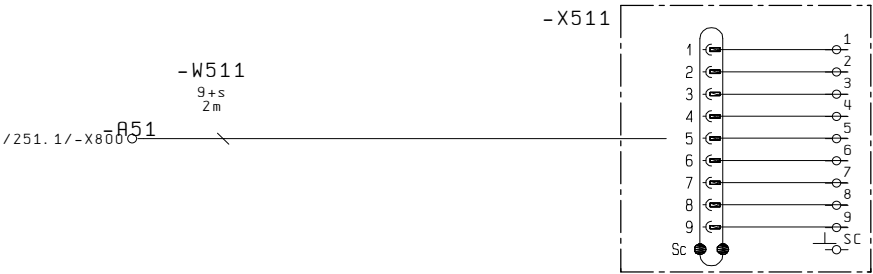
Page	503
Page	010

0	1	2	3	4	5	6	7	8	9
INTERNAL			TERMINALS	CABLES		AMBIENT	SIGNAL DESCRIPTION		DATA



TEMPERATURE MONITORING
(EXCITATION TRANSFORMER)
(NOT USED)

PTC



AI1 ANALOG INPUT

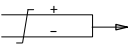
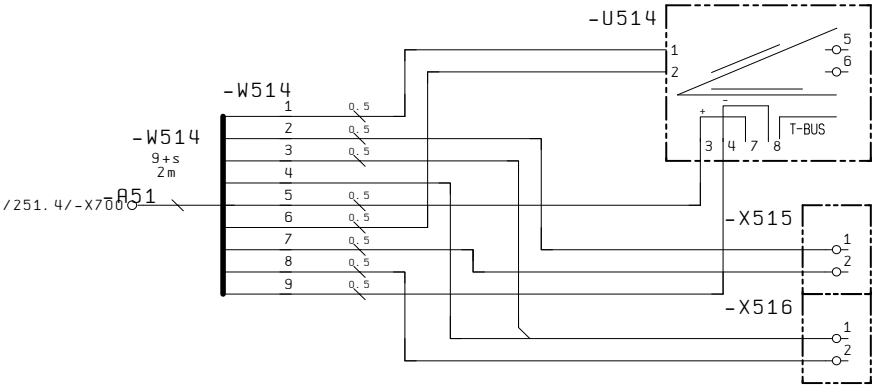
4..20mA

AI3 ANALOG INPUT

4..20mA

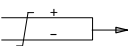
AI2 ANALOG INPUT

4..20mA

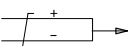


A01 FIELD VOLTAGE

4..20mA
-150...+150Vdc



A02 SPARE ANALOG OUTPUT



A03 SPARE ANALOG OUTPUT

-X510=ANALOG I/O A51

-X511=ANALOG I/O A51

-U514=ANALOG I/O A51

-X515=ANALOG I/O A51

-X516=ANALOG I/O A51

			Date	17.10.2018	VILNIUS WtE LITHUANIA STG 25.53MVA				LIST OF TERMINALS ANALOG I/O -A51	Drawing No. INET/171569/e			6065-7DS-200_E		
			Name	ZIZ						905			<	>	910
			Check.												
Revision	Date	Name	Job No	17904/BS	Subst. c	Orig.	New			Group	Product	Part	Page	908	
										= V10CGA10	+ER		from	910	

[illegible]




U Skolky 357/14
326 00 Plzen
Czech Republic
Tel: ++420/377613111-2
++420/377449815
Fax: ++420/377241014
E-mail: office@invelt.cz

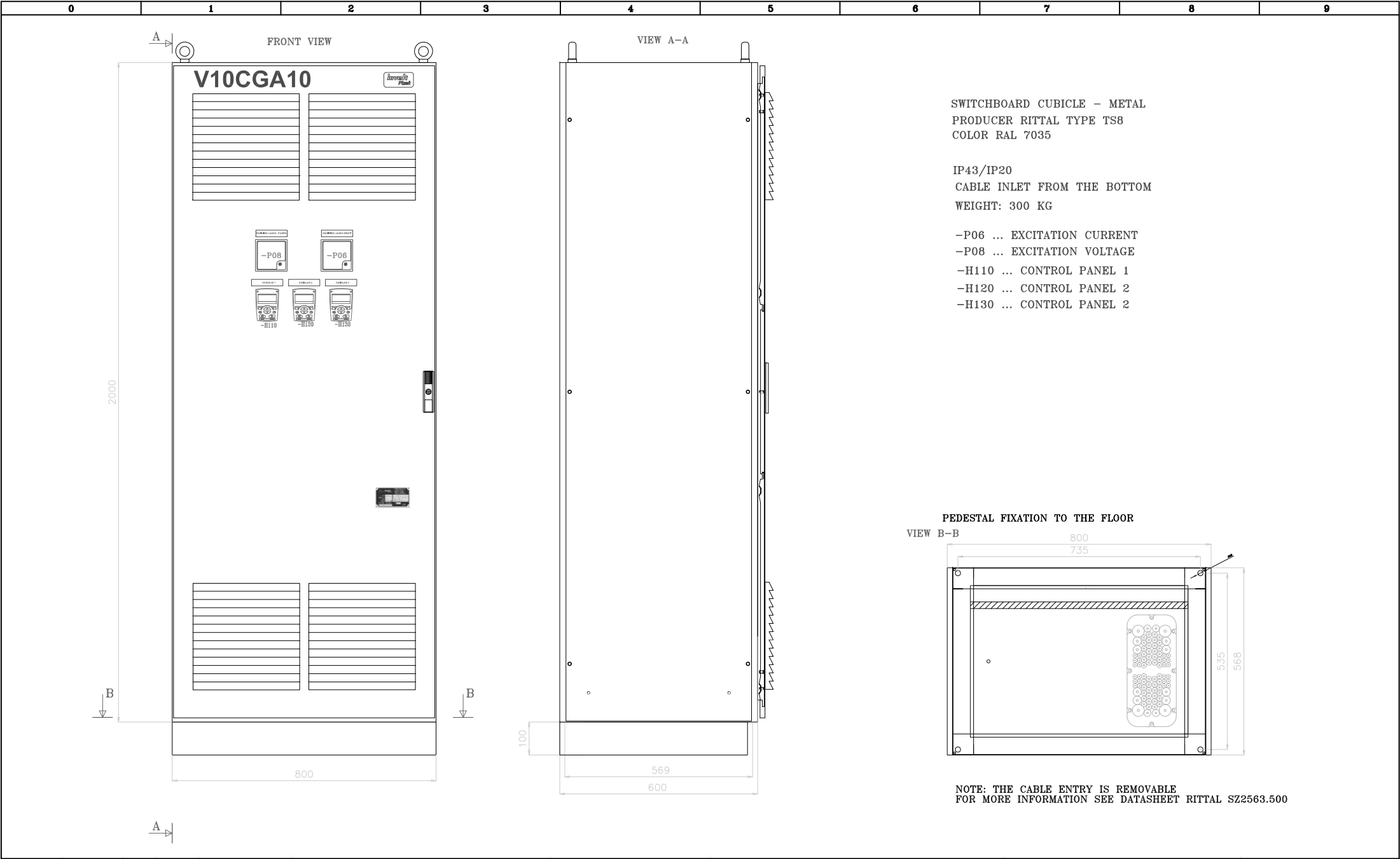
Title: VILNIUS WtE, LITHUANIA - 25.53MVA
EXCITATION SYSTEM PANEL +V10CGA01
LAYOUT OF CUBICLE

Customer: Siemens, s.r.o.

File name: ..\EPLAN4\P\

Total pages: 4

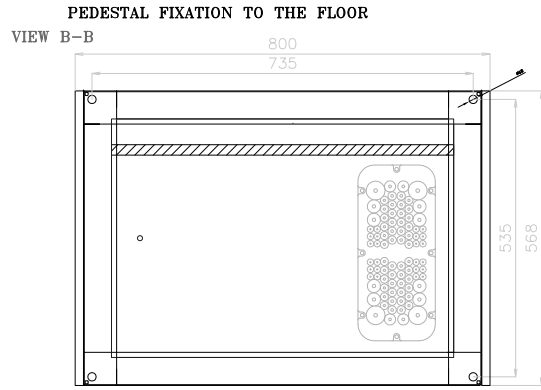
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			Name	ZIZ								< >	
			Check.										
Revision	Date	Name	Job No.	17904/BS	ABB type	A6T-O/D1P1-F30	Orig.	New					
										Group	Product	Part	Page 1
											=	+ V10CGA10	last page 4



SWITCHBOARD CUBICLE - METAL
PRODUCER RITTAL TYPE TS8
COLOR RAL 7035

IP43/IP20
CABLE INLET FROM THE BOTTOM
WEIGHT: 300 KG

- P06 ... EXCITATION CURRENT
- P08 ... EXCITATION VOLTAGE
- H110 ... CONTROL PANEL 1
- H120 ... CONTROL PANEL 2
- H130 ... CONTROL PANEL 2



NOTE: THE CABLE ENTRY IS REMOVABLE
FOR MORE INFORMATION SEE DATASHEET RITTAL SZ2563.500

			Date	19.06.2017	VILNIUS WtE LITHUANIA STG 25.53MVA				DIMENSIONS OF AVR PANEL VIEW A-A,B-B, FRONT VIEW		Drawing No. INET/171570/B		6065-7DS-200	
			Name	ZIZ							< >		Page 3	
			Check.								Group		Part	
Revision	Date	Name	Job No.	17904/BS	ABB type	A6T-O/D1P1-F30	Orig.	New			Product		Part	
										=		+ V10CGA10		last page 4

