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		Datum/Date	24.03.2011				Benennung/Designation SM Schematics		Table of Contents		
		Bearb/Drawn	Jaeger				VERKABELUNGSPLAN ECU8				
a	Engine Stop	76570	21.07.2011	Jaegerf	Gepri/Check	Dorner			Auftrag Order		Blatt/Sheet 1
Buchst./Rev.Ltr.	Änderung/Revision	Änd.Nr./Rev.Nr.	Datum/Date	Name	Norm/Stndr.	Haas	Abt./Dept.	OAS	Ref.-Nr./Ref.No.	Zeichnungsnummer Drawing Number XZ57200100004	

Specification

Shielding and Grounding

- In the case of cable entries, the shield is to contact the ground element. In the case of connectors it is to be connected to the plug's housing
- All devices of conductive material are to be included in potential compensation
- The housing of all MTU- Components have to be connected with the earth.

Cable cross sections

- All cable cross sections which are not special indicated are 1,0 mm²
- All cables indicated with 2* AWG 20 or 3* AWG 20 are to be twisted approx. 30 times per meter

Device Description

- Corresponded DIN 40719 / IEC 113 Plant (=), Location (+), Device (-)
- Location (+) is a group or an Assembly consisting of several parts or sub- assemblies

=21.X	Plant	Engine
.1		Engine 1. Engine Room
=33.X	Plant	Switch Gear.Switch Gear Module
.1		Engine 1
+A300	Location	Switch Cabinet
-A11	Device Type	Switch Cabinet Generatorsteuerung
-A1	Device Type	Connecting Module 1 Smart Connect
-A3	Device Type	Engine Governor ECU8


Symbol explanation

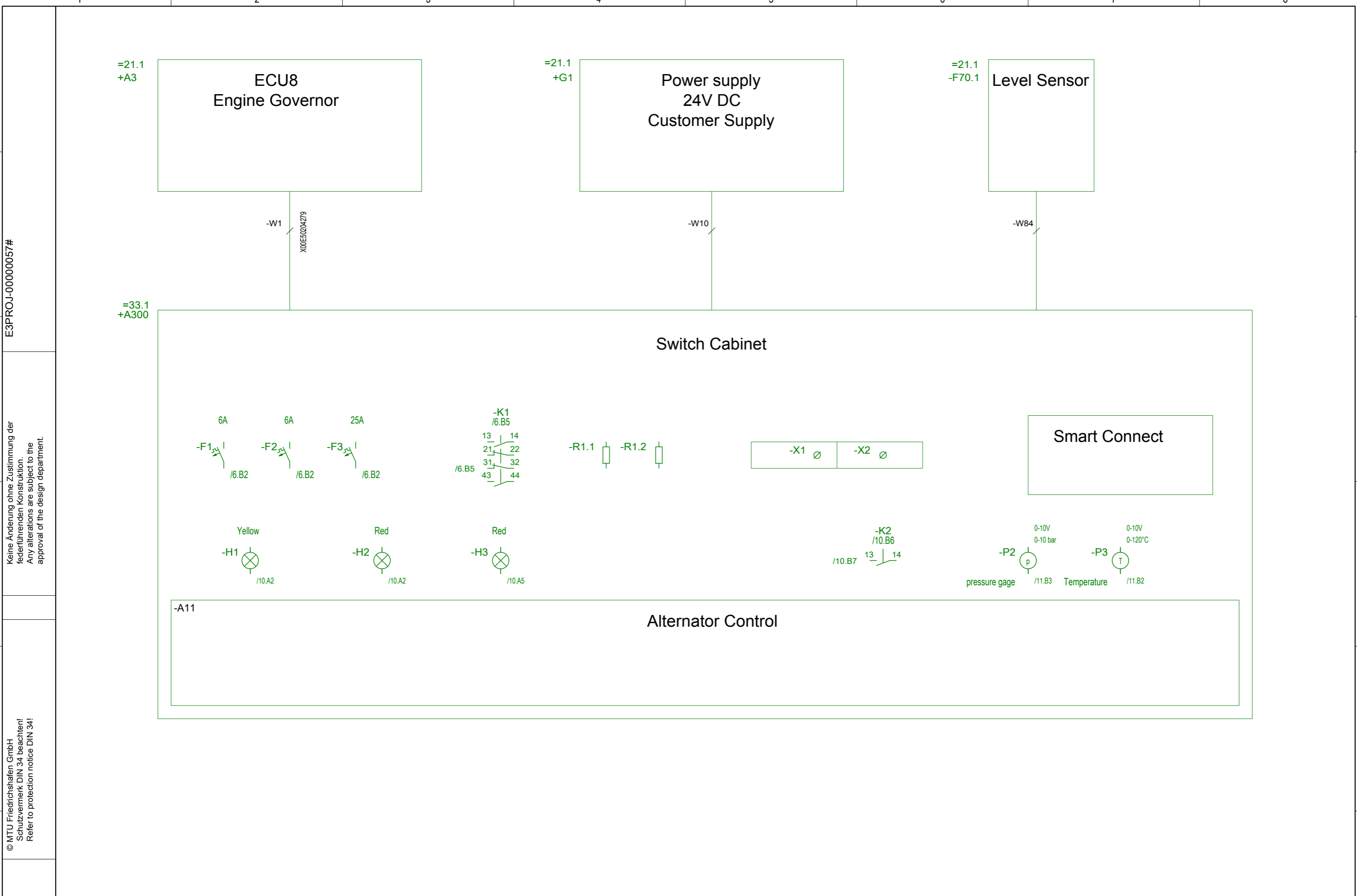
The Reference of the In- Output terminals is shown by symbols

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		Datum/Date	24.03.2011				Benennung/Designation SM Schematics		Spezifications		
		Bearb/Drawn	Jaeger				VERKABELUNGSPLAN ECU8				
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Buchst./Rev.Ltr.	Änderung/Revision	Änd.Nr./Rev.Nr.	Datum/Date	Name	Norm/Stndr.	Haas	Abt./Dept.	OAS	Ref.-Nr./Ref.No.	Zeichnungsnummer Drawing Number XZ57200100004	



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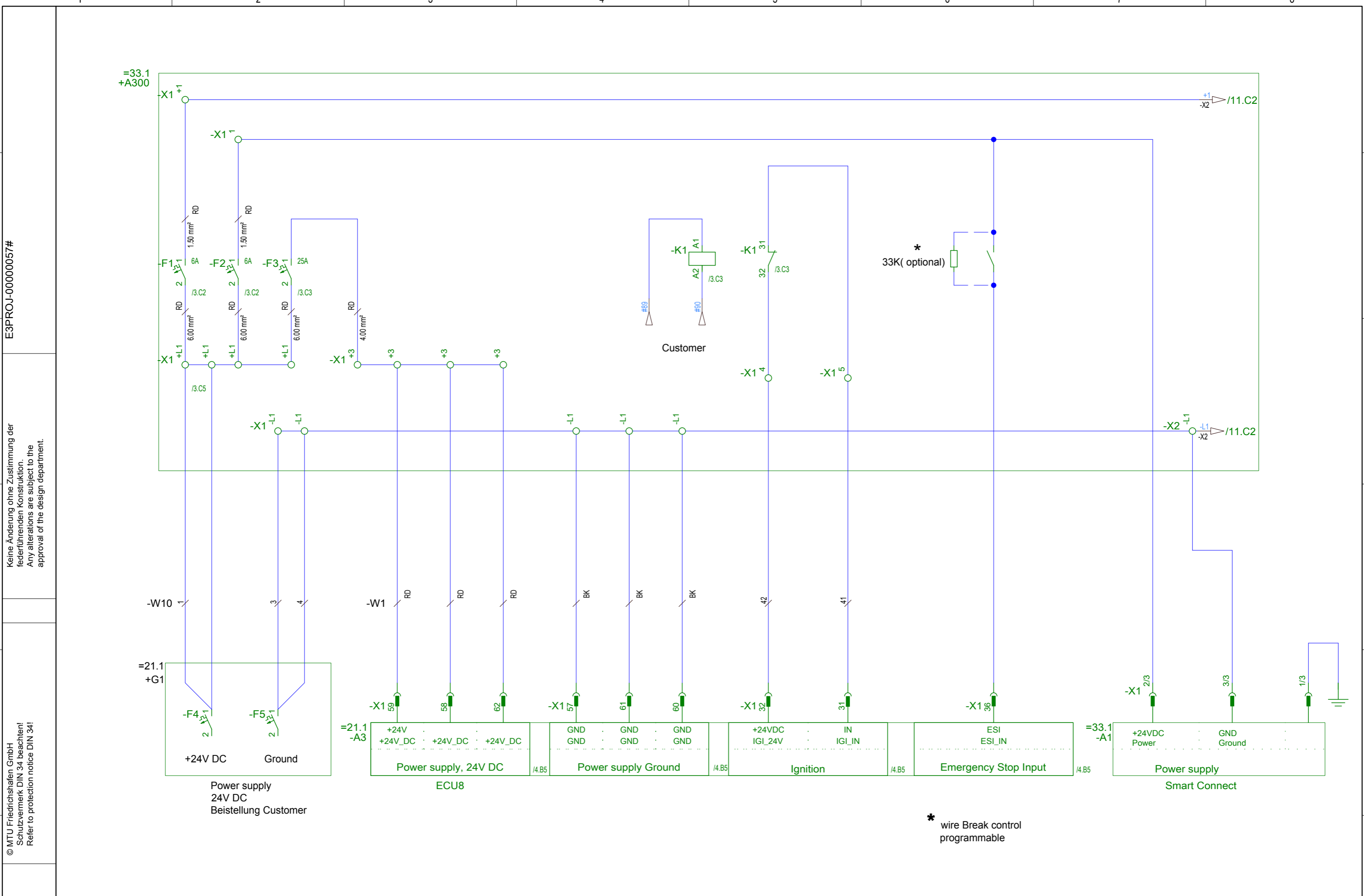
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Bearb/Drawn		Jaeger		VERKABELUNGSPLAN ECU8					
a	Engine Stop	76570	21.07.2011	Jaegerf	Gepri/Check	Dorner		Auftrag Order	Zeichnungsnummer Drawing Number
Buchst./Rev.Ltr.	Änderung/Revision	Änd.Nr./Rev.Nr.	Datum/Date	Name	Norm/Stndr.	Haas	Abl./Dept.	OAS	Ref.-Nr./Ref.No.
								XZ57200100004	
e ^s cable		1		2		3		4	
								Blatt/Sheet 3	
								11 BI/SH	
								DIN A3	

=21.1 ECU8 -A3						=21.1 ECU8 -A3					
	Pin	Adresse symb.	Adresse phys.	Funktion	Kommentar		Pin	Adresse symb.	Adresse phys.	Funktion	Kommentar
/7.E3	1 2 5	CAN1_H CAN1_L CAN1_GND	CAN1 CAN1 CAN1	CAN- BUS 1		/7.E6	6 7 23	RS485_(A) RS485_(B) RS485_GND	RS485 RS485 RS485	Internal BUS RS485	
/7.E4	3 4 8	CAN2_H CAN2_L CAN2_GND	CAN2 CAN2 CAN2	CAN- BUS 2		/6.E6	32 31	IGI_24V IGI_IN	+24VDC IN	Ignition	
/8.E3	10 9	DI1_H DI1_L	DI1 DI1	Engine Stop		/6.E7	36	ESI_IN	ESI	Emergency Stop Input	
/8.E4	14 13	DI2_H DI2_L	DI2 DI2	Droop 2			39 43	ITS_OFF F_GND	GND	Ground	
/8.E6	18 17	DI3_H DI3_L	DI3 DI3	Idle Mode		/6.E4	59 58 62	+24V_DC +24V_DC +24V_DC	+24V	Power supply, 24V DC	
/8.E8	22 21	DI4_H DI4_L	DI4 DI4	Alarm Reset		/6.E5	57 61 60	GND GND GND	GND GND GND	Power supply Ground	
/9.E3	26 25	DI5_H DI5_L	DI5 DI5	Speed Up							
/9.E4	30 29	DI6_H DI6_L	DI6 DI6	Speed Down							
/9.E6	34 33	DI7_H DI7_L	DI7 DI7	Engine Start							
/9.E8	38 37	DI8_H DI8_L	DI8 DI8	Safety System Override							
/11.E7	41 46 45 50 49 42	AI1_2_5V AI1_U AI1_I AI2_U AI2_I AI1_2_GND	AI1/2_5V AI1 AI1 AI2 AI2 AI1/2_GND	Rated Speed/Engine Torque Demand Voltage Current Voltage Current							
/11.E3	40 44 35	AO1_OUT AO2_OUT AO1_2_FIP	AO1 AO2 GND	T- Coolant/P- Lube Oil							
/11.E5	24	FIP_IN	FIP	Rated Speed Demand Frequency							
/10.E3	12 11 15	TOP1_OUT TOP2_OUT TOP1_2_GND	TOP1 TOP2 TOP1/2	Common Alarm Yellow/Red							
/10.E6	20 19 16	TOP3_OUT TOP4_OUT TOP3_4_GND	TOP3 TOP4	LOLO P- Lube Oil Alarm Starter On							
	48	FO_OUT	OUT	Spare							

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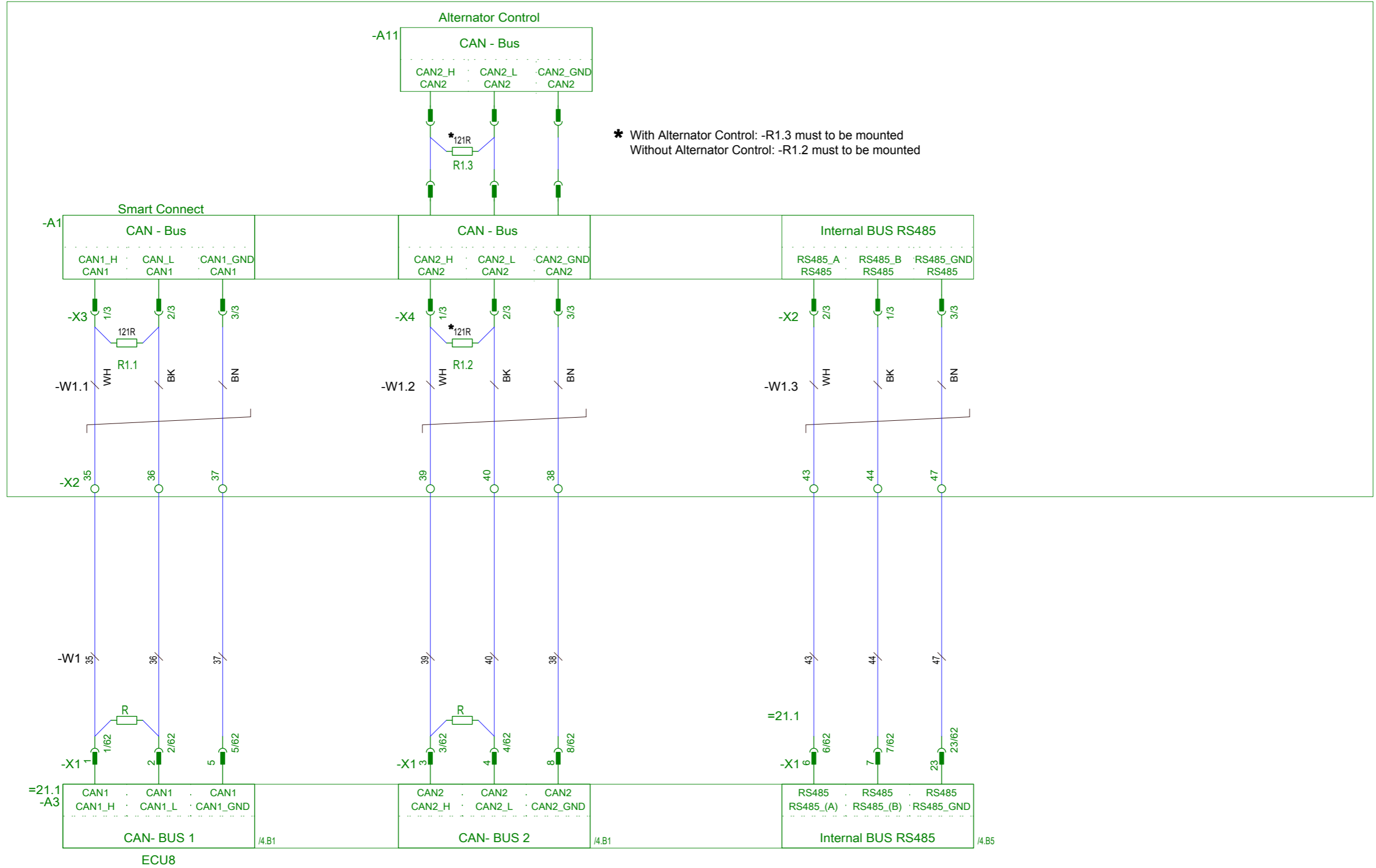
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* wire Break control programmable

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Bearb/Drawn		Jaeger		VERKABELUNGSPLAN ECU8					
a	Engine Stop	76570	21.07.2011	Jaegerf	Geprl/Check	Dorner	Auftrag Order		Zeichnungsnummer
Buchst./Rev.Ltr.	Änderung/Revision	Änd.Nr./Rev.Nr.	Datum/Date	Name	Norm/Stndr.	Haas	Order		Drawing Number
				Abt./Dept.		OAS			XZ57200100004
				Ref.-Nr./Ref.No.				Blatt/Sheet 6	
								11 Bl/Sh	

=33.1
+A300



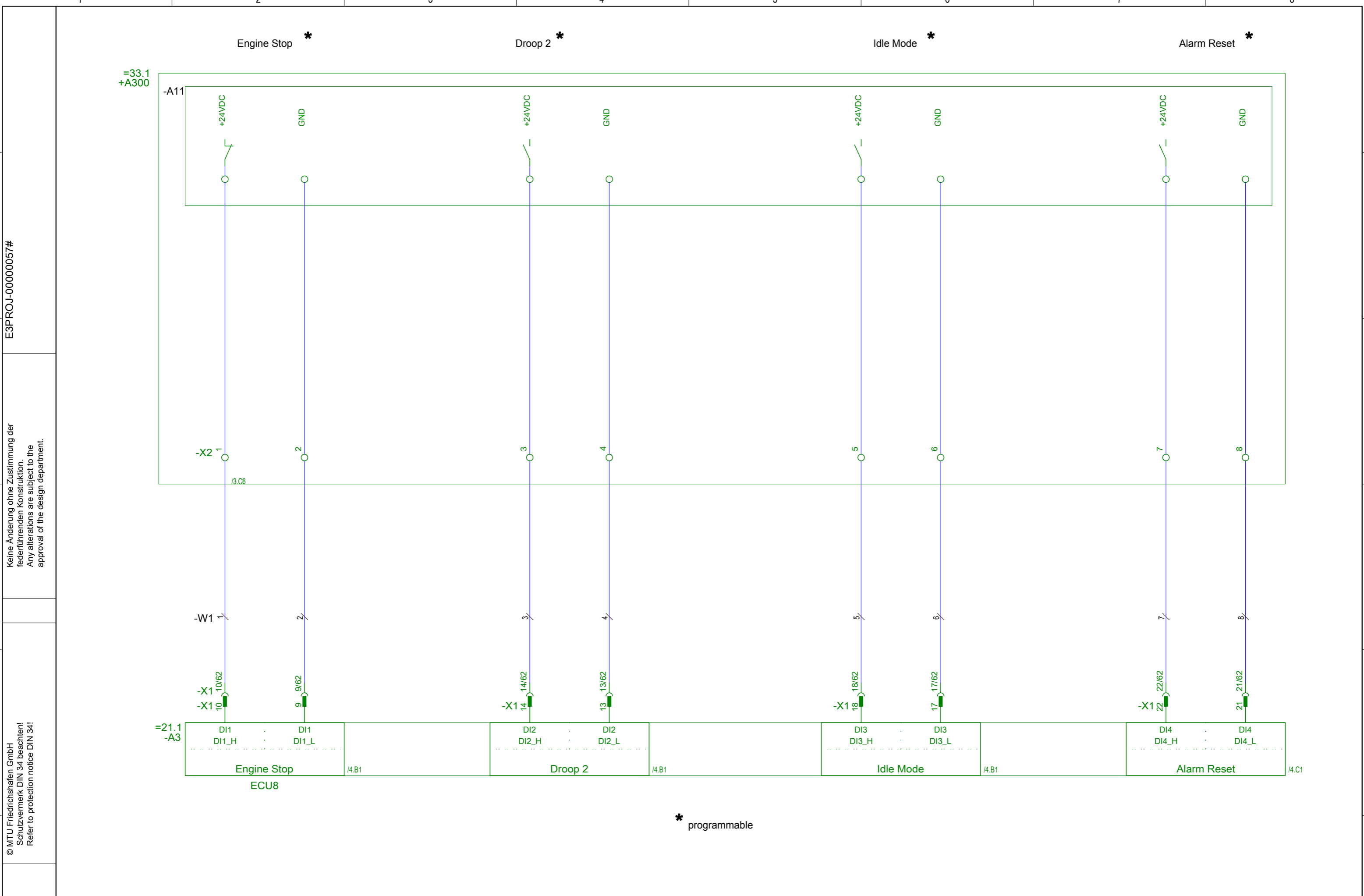
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Datum/Date		24.03.2011		Benennung/Designation		SM Schematics		Field Bus ECU 8	
Bearb/Drawn		Jaeger		VERKABELUNGSPLAN ECU8					
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Buchst./Rev.Ltr.	Änderung/Revision	Änd.Nr./Rev.Nr.	Datum/Date	Name	Norm/Stndr.	Haas	Abl./Dept.	OAS	Ref.-Nr./Ref.No.
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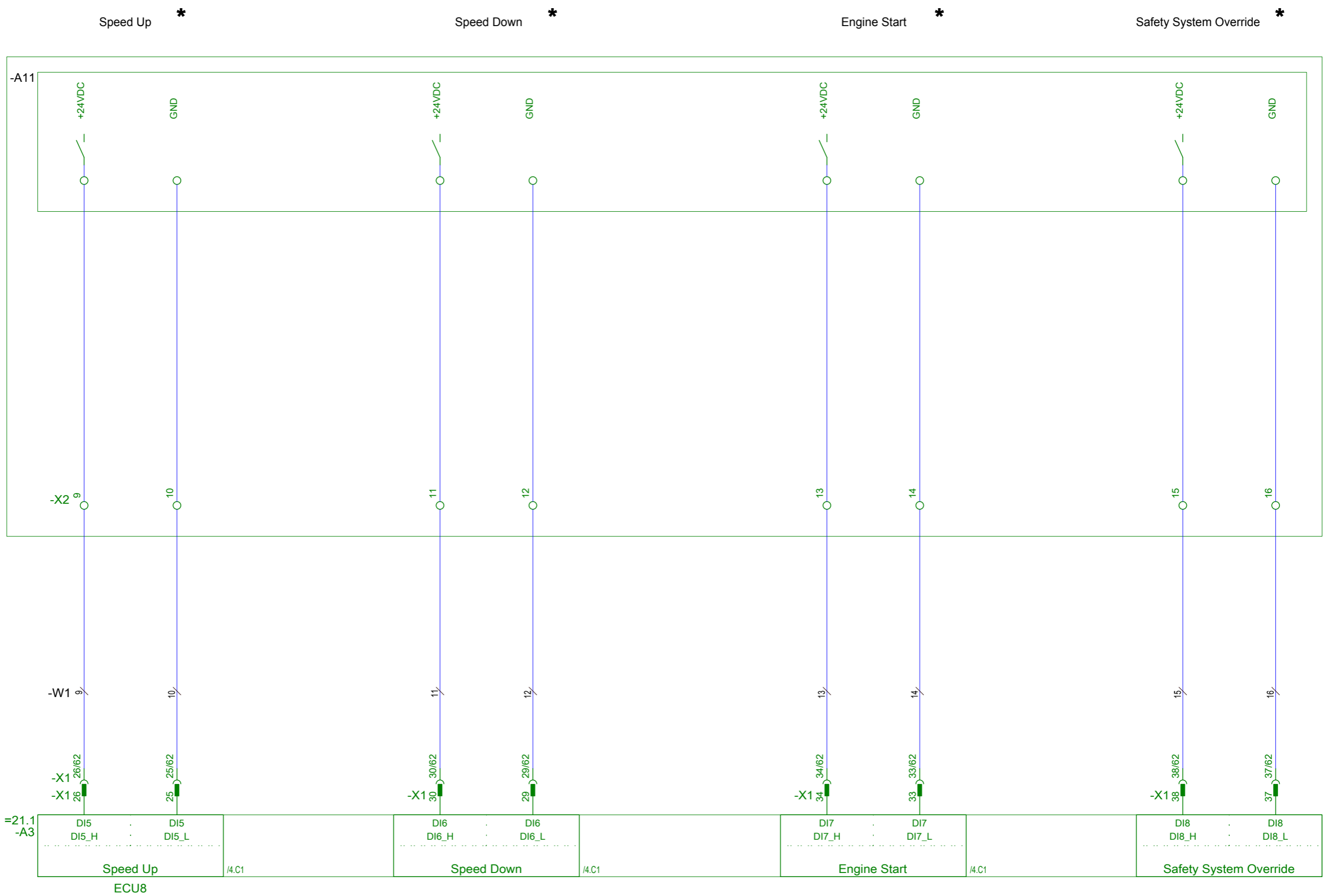
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Datum/Date		24.03.2011		Benennung/Designation		SM Schematics		Digital inputs ECU 8	
Bearb/Drawn		Jaeger		VERKABELUNGSPLAN ECU8					
a	Engine Stop	76570	21.07.2011	Jaegerf	Gepri/Check	Dorner		Auftrag Order	
Buchst./Rev.Ltr.	Änderung/Revision	Änd.Nr./Rev.Nr.	Datum/Date	Name	Norm/Stndr.	Haas	Abl./Dept.	OAS	Ref.-Nr./Ref.No.
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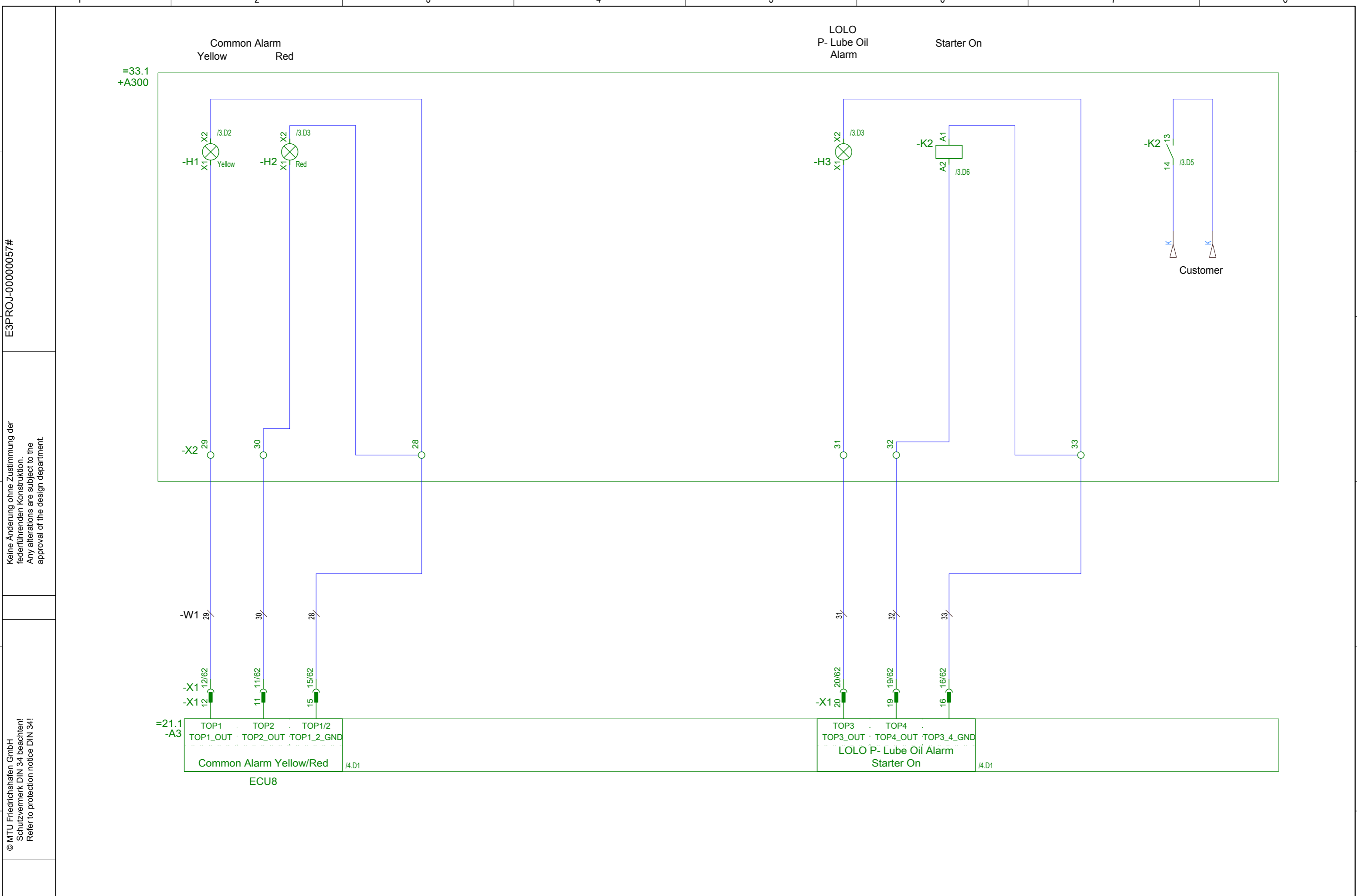
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Datum/Date		24.03.2011		Benennung/Designation		SM Schematics		Digital inputs ECU 8			
Bearb/Drawn		Jaeger		VERKABELUNGSPLAN ECU8							
a	Engine Stop	76570	21.07.2011	Jaegerf	Gepri/Check	Dorner	Auftrag Order		Zeichnungsnummer	Blatt/Sheet 9	
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Haas		OAS		Ref.-Nr./Ref.No.				Drawing Number		XZ57200100004	





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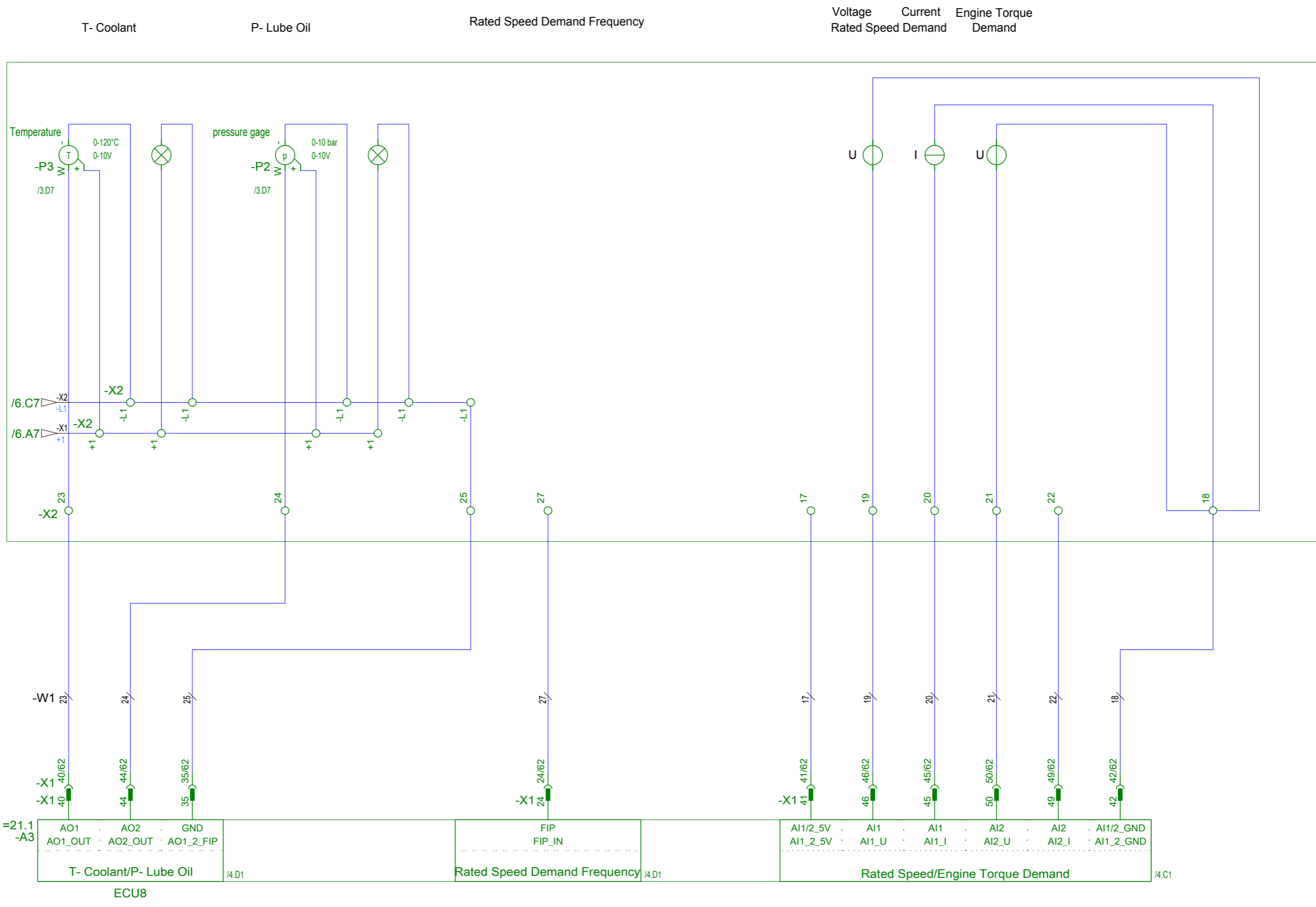
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Datum/Date		24.03.2011				Benennung/Designation		SM Schematics		Digital outputs ECU 8				
Bearb/Drawn		Jaeger				VERKABELUNGSPLAN ECU8								
a	Engine Stop	76570	21.07.2011	Jaegerf	Gepri/Check	Dorner			Auftrag Order		Zeichnungsnummer	XZ57200100004	Blatt/Sheet	10
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Bearb/Drawn		Jaeger		VERKABELUNGSPPLAN ECU8					
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e³ cable	1	2	3	4	5	6	7	8	DIN A3



Zeichnungsnummer
Drawing Number XZ57200100004