





BOMAG
FAYAT GROUP

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**Wiring illustration
Verkabelungsdarstellung**

	thick lines dicke Linien	routing on Powerboard Routing auf Powerboard
	thin lines dünne Linien	harness wiring Kabelbäume



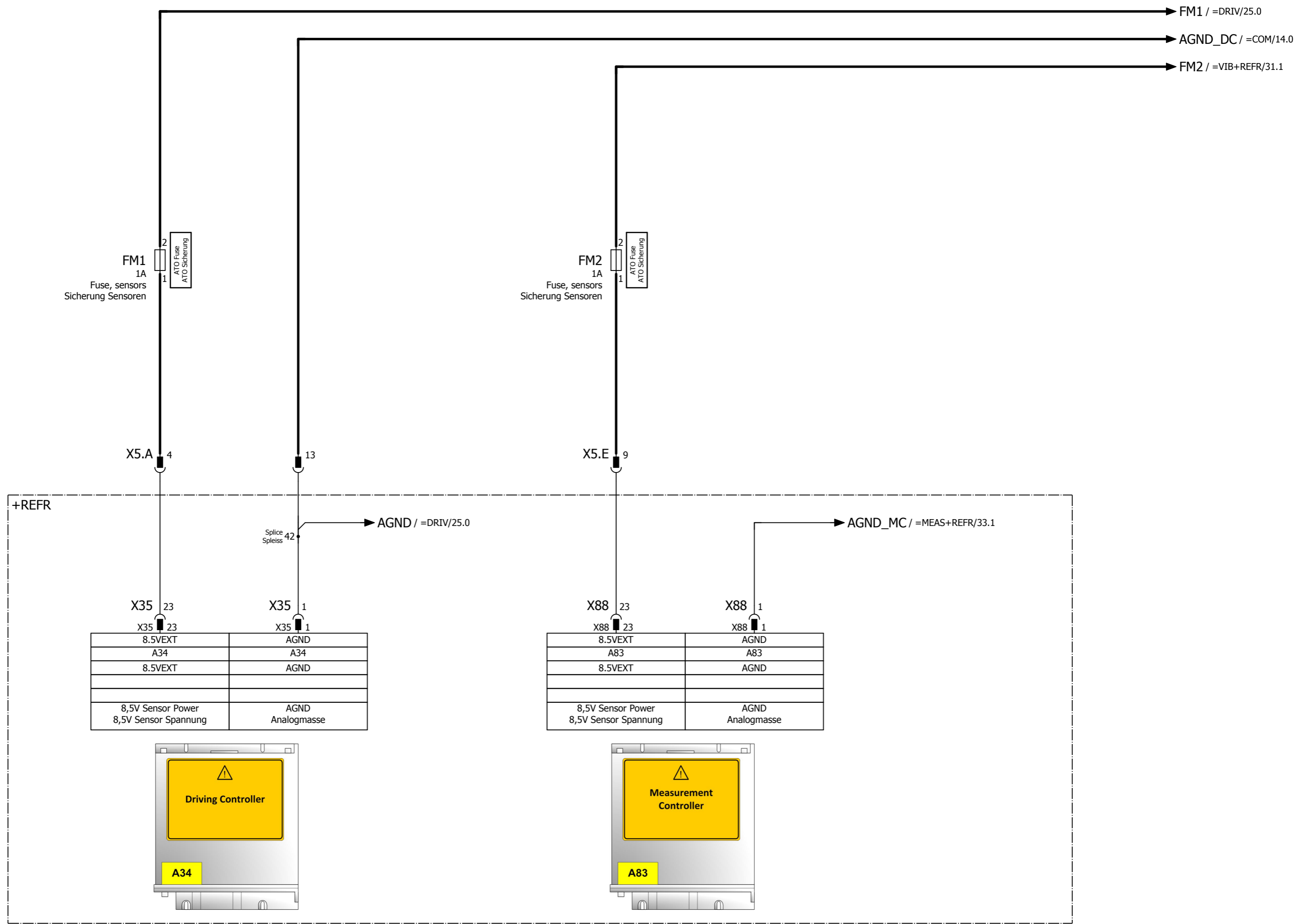
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FM1 / =DRIV/25.0
 AGND_DC / =COM/14.0
 FM2 / =VIB+REFR/31.1

FM1
 1A
 Fuse, sensors
 Sicherung Sensoren

FM2
 1A
 Fuse, sensors
 Sicherung Sensoren

X5.A 4

X5.E 9

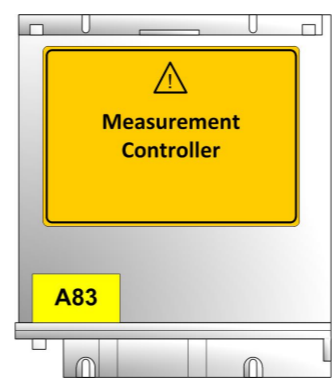
+REFR

Splice
 Spleiss 42 → AGND / =DRIV/25.0

AGND_MC / =MEAS+REFR/33.1

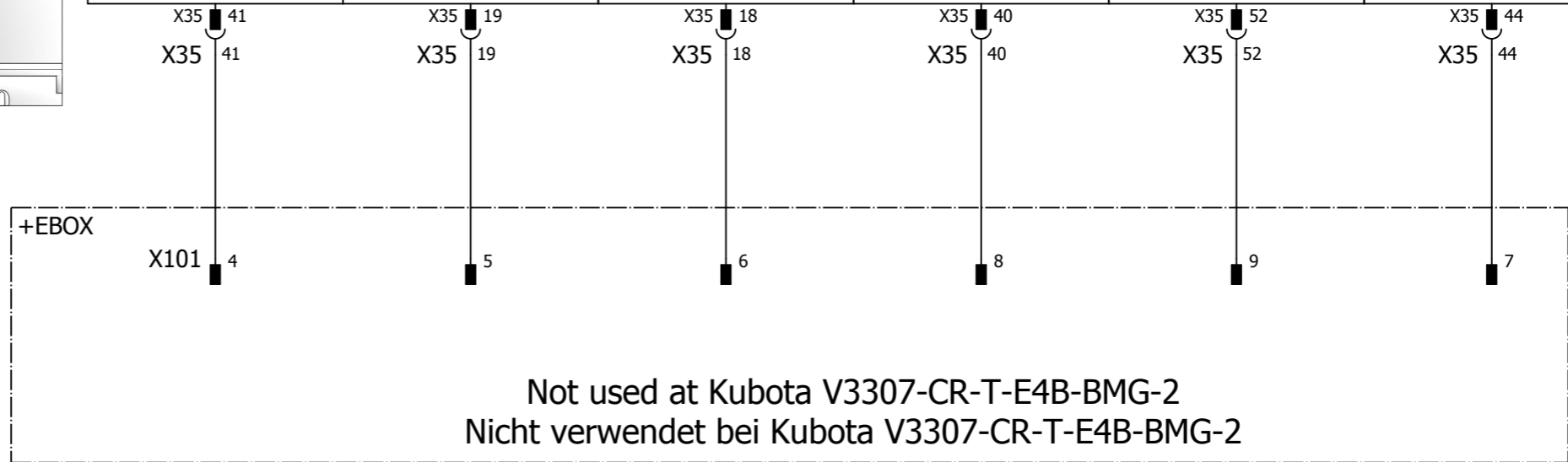
X35 23	X35 1
8.5VEXT	AGND
A34	A34
8.5VEXT	AGND
8,5V Sensor Power 8,5V Sensor Spannung	AGND Analogmasse

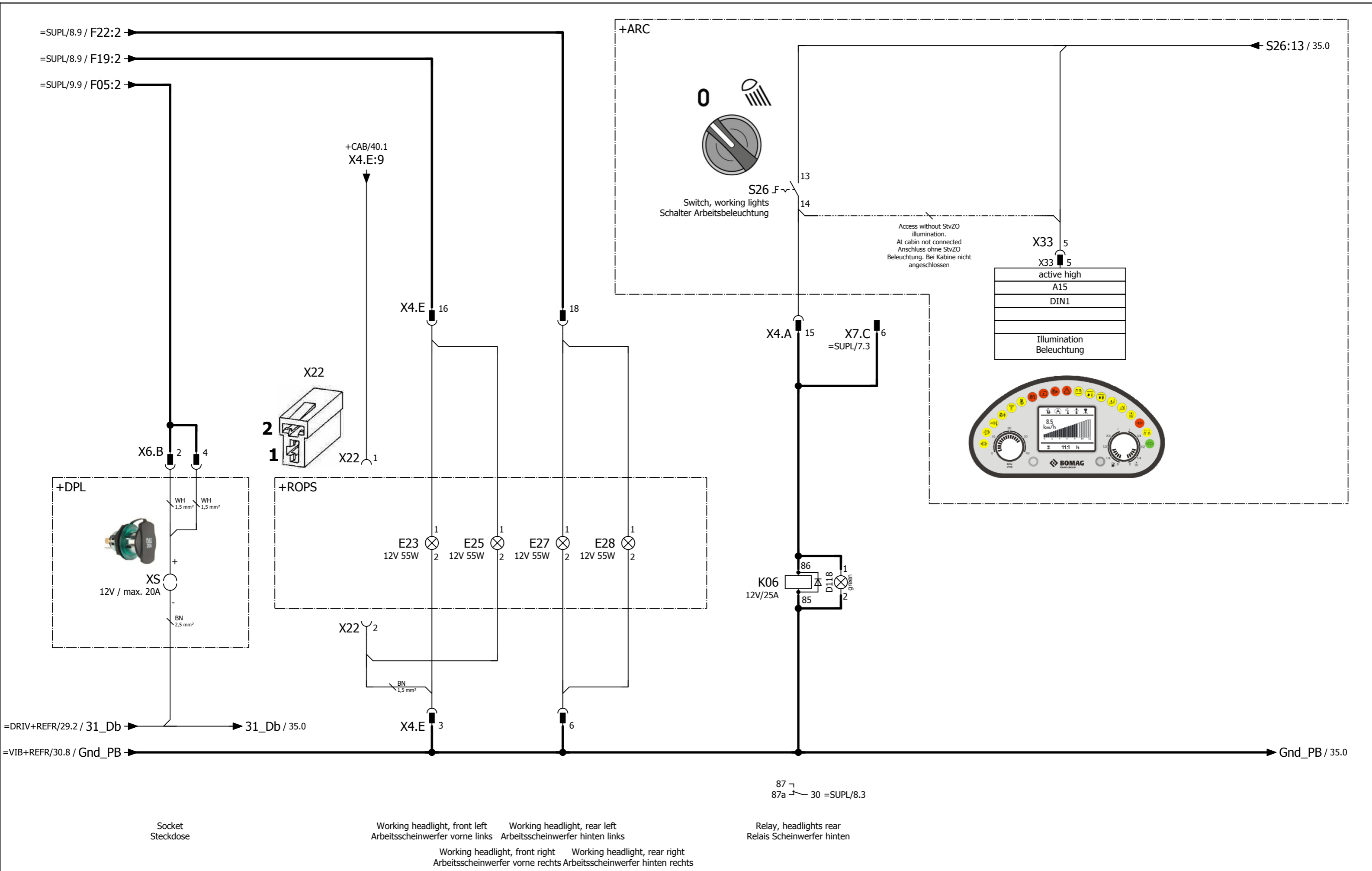
X88 23	X88 1
8.5VEXT	AGND
A83	A83
8.5VEXT	AGND
8,5V Sensor Power 8,5V Sensor Spannung	AGND Analogmasse





Pre-heating Vorglühen	Temperature switch, coolant Temperaturschalter Kühlmittel	Pressure switch, engine oil Druckschalter Motoröl	Sensor, engine speed Aufnehmer Motordrehzahl	Feedback engine speed Rückmeldung Gasverstellung	Relay, engine rpm Relais Motordrehzahl
DIN_15	DIN_16	DIN_14	DIN_13	DIN_17	PWM_10
A34	A34	A34	A34	A34	A34
DIN15 / 0..32V, DRZ	DIN16 / 0..32V, DRZ	DIN14 / 0..32V, DRZ	DIN13 / 0..32V, DRZ	DIN17 / 0..32V	OUT17 / 4A curr.-measur.





Socket
Steckdose

Working headlight, front left
Arbeitscheinwerfer vorne links

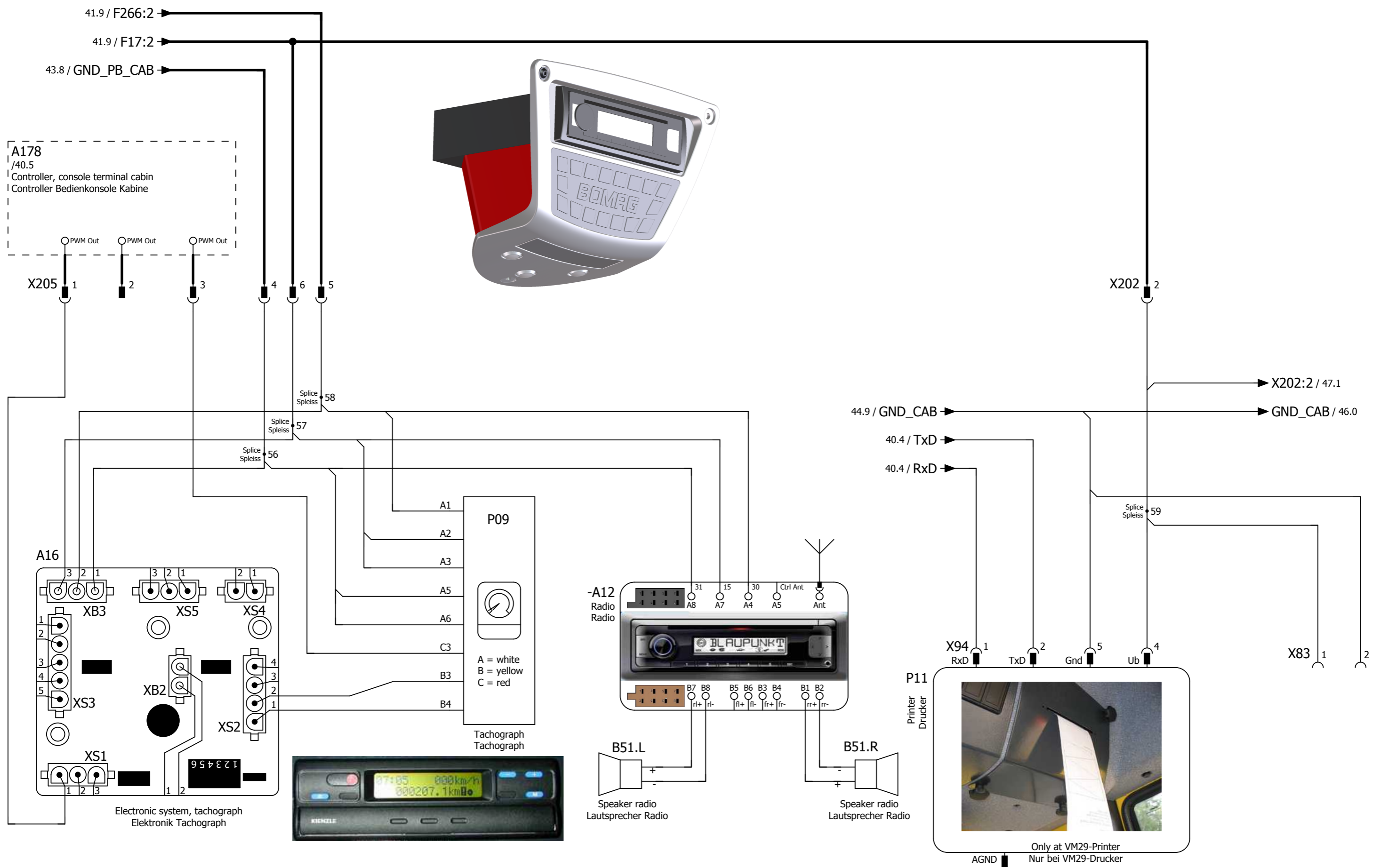
Working headlight, rear left
Arbeitscheinwerfer hinten links

Working headlight, front right
Arbeitscheinwerfer vorne rechts

Working headlight, rear right
Arbeitscheinwerfer hinten rechts

Relay, headlights rear
Relais Scheinwerfer hinten

0	1	2	3	4	5	6	7	8	9
Created Erstellt 20.01.2016 M. Vogt	BW 145-197 D, DH, BVC-5 Kubota Tier 4f		 BOMAG FAYAT GROUP	Rops - Lighting, Socket Rops - Beleuchtung, Steckdose		Function = SDR Higher-level function = OPT Mounting location + EBOX		Page 34 von 77	360 EPE / 000 / 00



0	1	2	3	4	5	6	7	8	9				
Created Erstellt	M. Vogt 20.01.2016	BW 145-197 D, DH, BVC-5		BOMAG FAYAT GROUP		Cabin - Radio, Tachograph, Printer measurement Kabine - Radio, Tachograph, Drucker Messtechnik		Function Funktion	= SDR	Page Blatt	45	from von	77
Checked Geprüft	K. Brand 19.01.2016	Kubota Tier 4f						Higher-level function Anlage	= OPT	360			
								Mounting location Einbauort	+ CAB	EPE / 000 / 00			

Pin overview

Pin Übersicht

A34		Driving Controller Fahrsteuerung				
Plug Stecker	Pin Kontakt	Page Blatt	Path Pfad	Description Beschreibung	Signal	Signal
X35	27	14	2	CAN1_H	CAN 1 high	CAN 1 high
X35	28	10	1	+Ignition / 0..32V	Ignition	Zündung
X35	29	27	4	AIN2 / 10V 25mA	Pressure sensor, travel pump drum MA	Drucksensor Fahrpumpe Bandage MA
X35	30	27	4	AIN4 / 10V 25mA	Pressure sensor, travel pump drum MB	Drucksensor Fahrpumpe Bandage MB
X35	31			AIN6 / 10V 25mA		
X35	32	25	2	AIN8 / 10V 25mA	Slope sensor	Neigungssensor
X35	33	14	5	CAN2_L	CAN 2 low	CAN 2 low
X35	34	30	3	DIN1 / 0..32V, DRZ	Speed vibration drum	Drehzahl Vibration Bandage
X35	35	25	6	DIN3 / 0..32V, DRZ	Speed drum	Geschwindigkeit Bandage
X35	36	24	3	DIN5 / 0..32V	Water in Fuel	Wasserabscheider
X35	37	24	5	DIN7 / 0..32V	Hydraulic oil filter	Hydraulikölfilter
X35	38	24	4	DIN9 / 0..32V	Maintenance switch, air cleaner	Wartungsschalter Luftfilter
X35	39	24	2	DIN11 / 0..32V	Coolant level	Kühlmittelfüllstand
X35	40	23	6	DIN13 / 0..32V, DRZ	Sensor, engine speed	Aufnehmer Motordrehzahl
X35	41	23	3	DIN15 / 0..32V, DRZ	Pre-heating	Vorglühen
X35	42	32	5	OUT13 / 4A curr.-measur.	Dozer blade up	Planierschild anheben
X35	43	32	6	OUT15 / 4A curr.-measur.	Dozer blade down	Planierschild absenken
X35	44	23	8	OUT17 / 4A curr.-measur.	Relay, engine rpm	Relais Motordrehzahl
X35	45			OUT19 / 2,5A curr.-feedb.		
X35	46	28	1	OUT1 / 4A curr.-measur.	Travel pump axle forward	Fahrpumpe Achse vorwärts
X35	47	28	2	OUT2 / 4A curr.-measur.	Travel pump axle backward	Fahrpumpe Achse rückwärts
X35	48	30	4	OUT3 / 4A curr.-measur.	Vibration pump off/high	Vibrationspumpe aus/groß
X35	49	30	5	OUT4 / 4A curr.-measur.	Vibration pump low/off	Vibrationspumpe klein/aus
X35	50			OUT21 / 5A curr.-feedb.		

Plug overview

Steckerübersicht

Designation Bezeichnung	Mounting location Einbauort	Function text Funktionstext
X44.K	+REFR	Plug, engine-controller motor-part Stecker Motorsteuergerät Motorseite

Contact Kontakt	Page Blatt	Path Pfad	Type Typ
27	21	3	Molex 80 pole blue
28	21	3	
29	21	4	
32	21	6	
33	21	8	
34	21	6	
36	22	9	
37	22	9	
38	22	8	
41	22	7	
42	22	6	
43	22	6	
45	22	5	
46	22	5	
47	22	4	
48	21	7	
51	21	8	
52	21	8	
60	21	9	
61	22	7	
62	22	6	
63	22	6	
65	22	5	
66	22	5	
67	22	4	
68	21	4	
71	21	8	
72	21	7	
80	21	9	

Designation Bezeichnung	Mounting location Einbauort	Function text Funktionstext
X45.K	+REFR	Plug, engine-controller machine-part Stecker Motorsteuergerät Maschinenseite

Contact Kontakt	Page Blatt	Path Pfad	Type Typ
1	20	0	Molex 80 pole st_grey
3	20	1	
5	20	8	
12	22	3	
13	20	8	
16	20	7	
17	20	9	
18	20	0	
20	20	4	
21	20	0	

Designation Bezeichnung	Mounting location Einbauort	Function text Funktionstext
X45.K	+REFR	Plug, engine-controller machine-part Stecker Motorsteuergerät Maschinenseite

Contact Kontakt	Page Blatt	Path Pfad	Type Typ
23	20	1	Molex 80 pole st_grey
24	20	3	
29	21	0	
33	20	8	
36	20	6	
37	20	8	
38	20	0	
39	20	4	
40	20	4	
45	20	3	
48	21	1	
49	20	3	
50	21	1	
58	20	1	
59	20	4	
60	20	5	
65	21	2	
71	21	2	
78	20	1	
79	20	5	
80	20	5	

Designation Bezeichnung	Mounting location Einbauort	Function text Funktionstext
X46.K	+MOT	Plug, engine EMR 1 Stecker Motor EMR 1

Contact Kontakt	Page Blatt	Path Pfad	Type Typ
1	20	6	Tyco 42 pole
2	20	6	
3	21	8	
4	21	9	
6	20	2	
7	21	7	
8	21	9	
9	21	7	
12	21	1	
13	21	7	
14	21	3	
15	21	4	
17	21	1	
18	21	4	
19	21	4	
20	21	8	
21	21	0	
22	21	2	

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